HOFFER 4 UNIT APARTMENT BUILDING

6,321 S.F. 2 story Residential Building

CHASE STREET
LaCrosse, WI 54601

SCOPE OF WORK

THIS PROJECT CONSISTS OF A NEW 6,321 S.F. TWO STORY 4 UNIT APARTMENT BUILDING.

THE OCCUPANCY TYPE IS R–2 RESIDENTIAL

THE BUILDING CONSTRUCTION TYPE IS V–B UNPROTECTED.

1 HOUR RATED WALLS SEPARATE EACH UNIT

FULLY SPRINKLERED PER NFPA 13R

THE BUILDING CONSISTS OF A SLAB ON GRADE WITH WOOD FRAMED WALLS AND WOOD JOIST FLOOR FRAMING. THE ROOF IS A ENGINEERED WOOD TRUSS ROOF SYSTEM.

HVAC
Design Build - Under Separate Submittal/Permit

ELECTRICAL
Design Build - Under Separate Submittal/Permit

PLUMBING
Design Build - Under Separate Submittal/Permit

CODE DATA

GOVERNING CODES
STATE OF WISCONSIN–CITY OF LACROSSE

APPLICABLE CODES: ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS AND DRAWINGS, AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNING BODIES INVOLVED. APPLICABLE CODES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING ADOPTED CODES:

2015 IBC WITH 2018 WISCONSIN AMENDMENTS (SPS 362)
2015 IEBC WITH 2018 WISCONSIN AMENDMENTS (SPS 362)
2015 IMC WITH 2018 WISCONSIN AMENDMENTS (SPS 364)
2017 WISCONSIN ELECTRIC CODE (SPS 316)
2018 WISCONSIN PLUMBING CODE (SPS 381-387)
2015 IECC WITH 2018 WISCONSIN AMENDMENTS (SPS 362)
2015 NFPA 101 LIFE SAFETY CODE
2015 INTERNATIONAL FIRE CODE
ACCESSIBILITY: 2009 ANSI 117.1 (IBC CHP 11)

I. BUILDING INFORMATION:

A. BUILDING DESIGNATION:
4 UNIT APARTMENT BUILDING

B. BUILDING LOCATION:
CHASE ST.
LACROSSE, WI 54601

II. BUILDING CLASSIFICATIONS:

A. OCCUPANCY GROUP:
–SEC. 309 – R2 – (RESIDENTIAL) APARTMENT BUILDING

B. SPECIAL REQUIREMENTS:
–SEC. 420 – R2
–SEC. 420.2 SEPARATION WALLS. WALL BETWEEN DWELLING UNITS ARE CONSTRUCTED AS 1 HR FIRE PARTITIONS PER. SECT 708

–SEC. 420.5 AUTOMATIC SPRINKLER SYSTEM
AUTOMATIC SPRINKLER SYSTEM PER 903.2.8 – NFPA 13R IS BEING INSTALLED ON THIS PROJECT.

C. BUILDING AREA:
2–STORY BUILDING

FIRST FLOOR 2,459 S.F.
GARAGES 1,403 S.F.
FIRST FLOOR TOTAL = 3,862 S.F.
SECOND FLOOR 2,459 S.F.
TOTAL BUILDING = 6,321 S.F.

TABLE 506.2 ALLOWABLE AREA (PER FLOOR)
R2 – RESIDENTIAL, SPRINKLER 13R, CONSTR. TYPE VB = 7,000 S.F

FIRST FLOOR TOTAL = 3,862 S.F.

D. CONSTRUCTION TYPE:
–SECTION 602.2 – TYPE V–B

TABLE 602
FIRE RESISTIVE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE WITH TYPE V–B CONSTRUCTION & R–2 OCCUPANCY

$5' \leq X < 10'$ = 1 HR RATING REQUIRED (@ EAST AND WEST WALLS)

$10' \leq X < 30'$ = 0 RATING REQUIRED (@ ALL OTHER WALLS)

E. OCCUPANCY LOAD:
–TABLE 1004.1.2 –
RESIDENTIAL = 200 S.F. PER OCCUPANT GROSS
RESIDENTIAL LIVING AREA – GROSS = 4918 S.F.
4918 /200 = 24 PERSONS / 6 PERSON PER UNIT MAX.

F. ACCESSIBILITY:
–SECTION 1107.6.2.2.2 – TYPE B UNITS
IN R–2 OCCUPANCIES CONTAINING 4 OR MORE, EVERY UNIT SHALL BE TYPE B UNITS.
ALL UNITS ON THIS PROJECT ARE TYPE B UNITS.

ICC A117.1 SECT 1004 TYPE B UNITS
1004.11.3 TOILET AND BATHING AREAS
ONE TOILET AND BATHING AREA IN EACH UNIT IS AN OPTION B LAYOUT

NAME	AREA
MAIN RIGHT UNIT 1	1215 sq ft.
UPPER RIGHT UNIT 3	1215 sq ft.
GARAGES APPROX 350 EA	1403 sq ft.
MAIN LEFT UNIT 2	1244 sq. ft.
UPPER LEFT UNIT 4	1244 sq ft.
TOTAL OPEN PORCHES	102 sq ft.

Conditionally
APPROVED
DEPT. OF SAFETY AND PROFESSIONAL SERVICES
DIVISION OF INDUSTRY SERVICES
Kathleen Adsit
SEE CORRESPONDENCE
New Building
DIS-102253076
CB-122202212-PRB
12/2/2022

Graphic Symbols

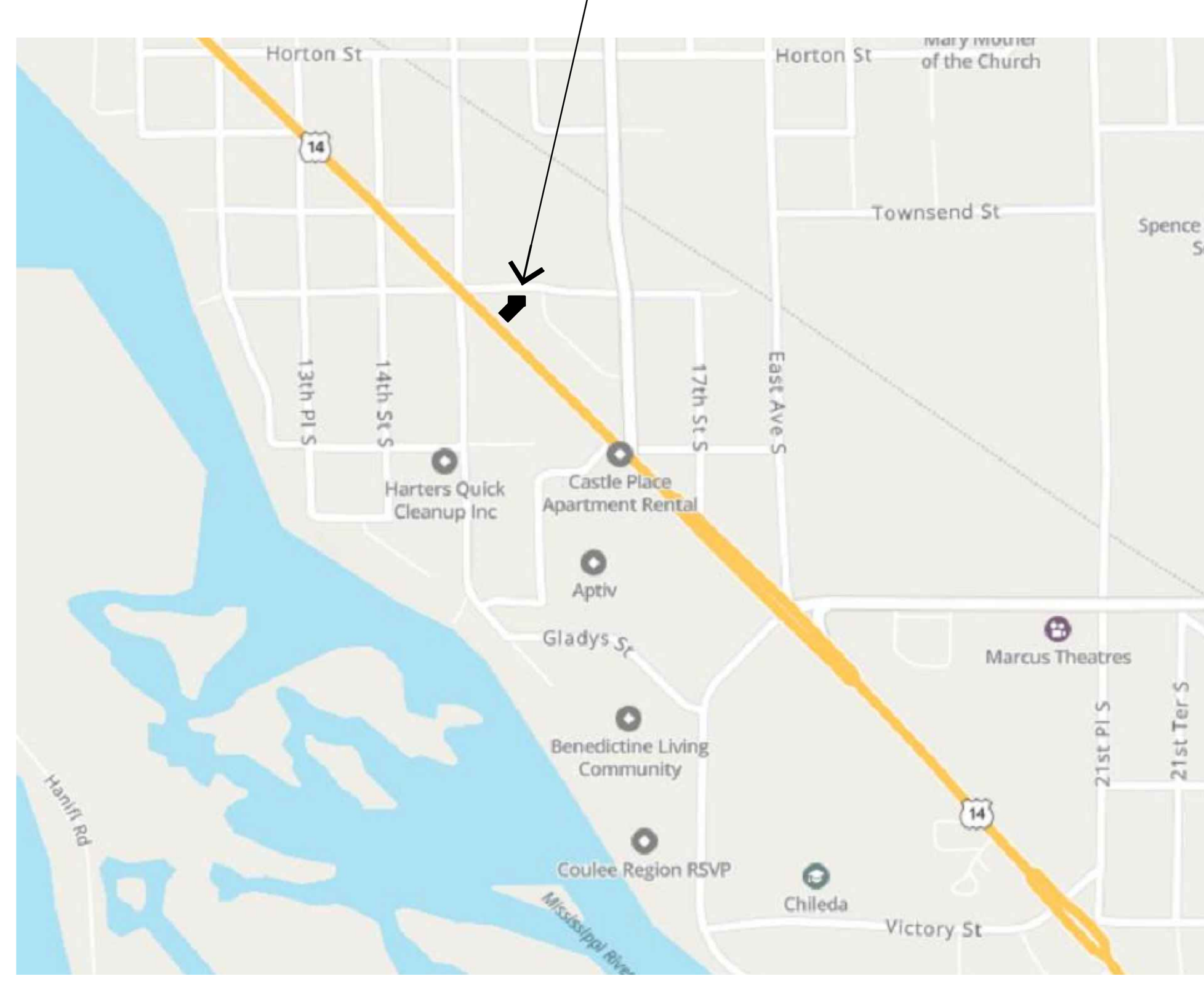
TOILET RM 101 — Room Name / Room Number
Section Number / Sheet Number
Elevation Number / Sheet Number
Detail Number / Sheet Number
100 — Door Number
W–1 — Window Type
2 — Key Note
D — Wall Type
TOP OF... 100'–0" — Vertical Working Point Elevation

Material Symbols

(Section View)

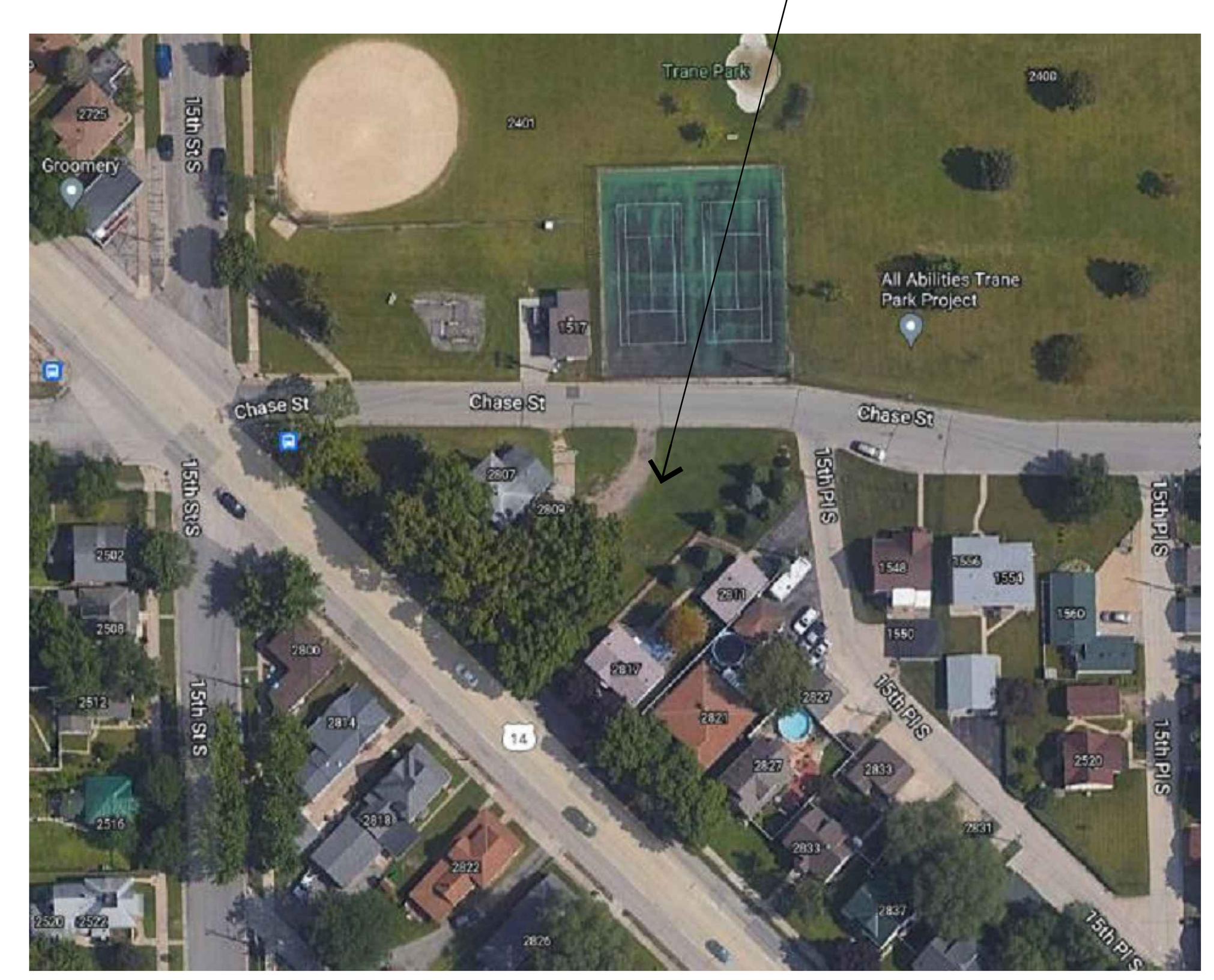
Existing
Earth
Concrete
Concrete Block
Face Brick
Stone
Structural Steel
Batt Insulation
Rigid Insulation
Rough Lumber
Finish Wood
Plywood
Ceramic Tile
Gyp. Board
Plaster or Stucco

4 UNIT RESIDENCE
CHASE STREET
LACROSSE, WI 54601



North
Site Vicinity Map
N.T.S.

4 UNIT RESIDENCE
CHASE STREET
LACROSSE, WI 54601



North
Site Location Map

WISCONSIN
STEVEN S. KUMM
A-10047
ONALASKA, WI
ARCHITECT
10/25/22

SHEET INDEX

Eskay Architecture
- Commercial
- Industrial
- Residential
Onalaska, WI 54650 Ph: 608-317-1565
Email: eskayarchitect@gmail.com

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of he State of WISCONSIN Number: A–10047 Date: 07/31/2024

MasterCraft Confidence Builders HOMES

PROJECT TITLE:
4 UNIT RESIDENTIAL BUILDING

PROJECT LOCATION:
CHASE STREET LACROSSE, WI 54601

DATE /	SET - TYPE
10/17/22	PERMIT SET

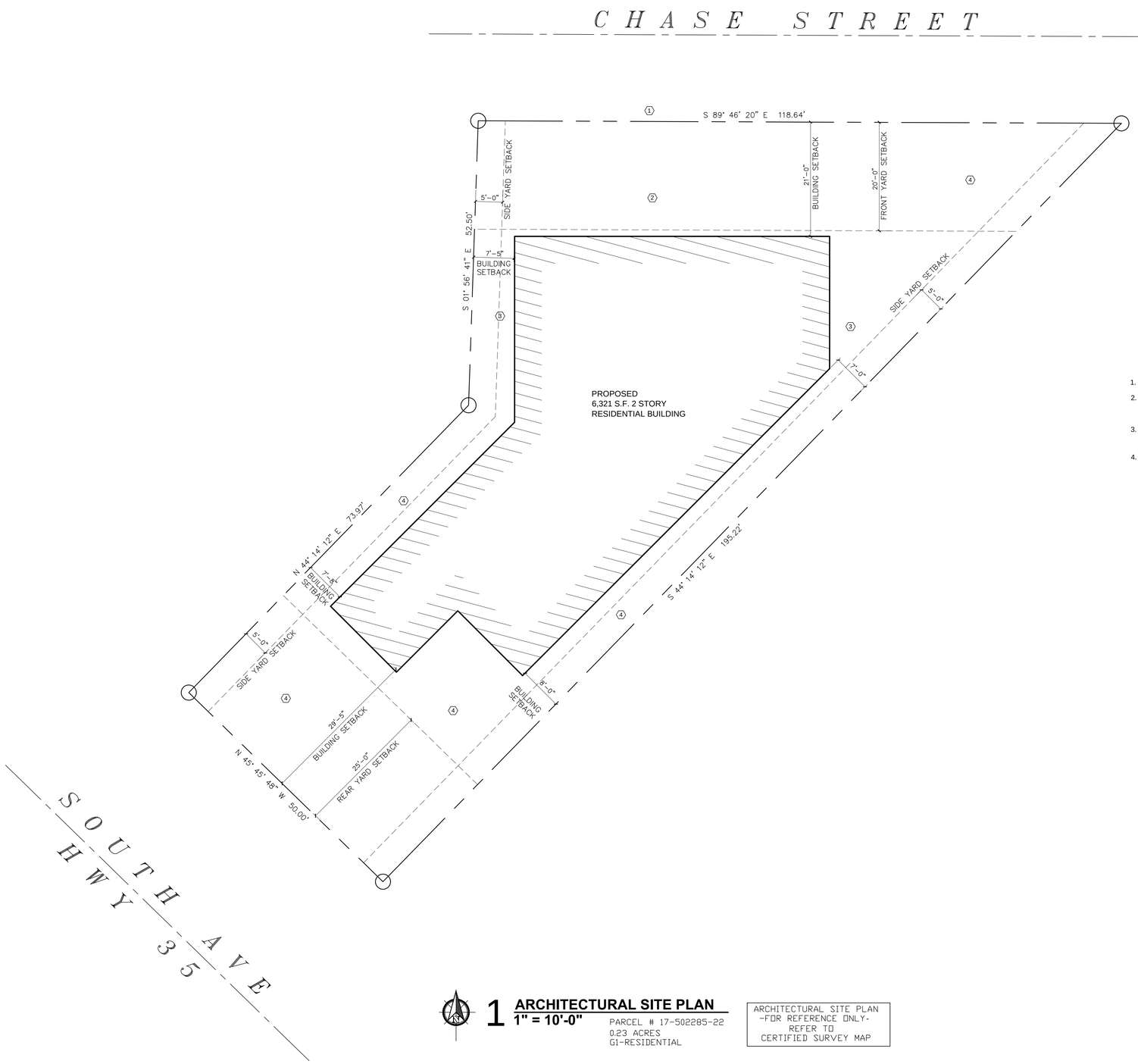
DRAWN BY:

REVISIONS

NO.	DATE

SHEET TITLE
TITLE SHEET / CODE DATA

SHEET NO.
T1.0

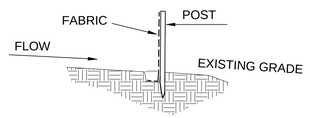


SITE PLAN GENERAL NOTES

1. OBSERVE ALL STATE AND LOCAL CODES AND ORDINANCES
2. VERIFY ALL EXISTING SITE CONDITIONS. ALL INFORMATION AND DIMENSIONS SHOWN ARE TO BE VERIFIED BY A CERTIFIED SURVEY.
3. PROVIDE POSITIVE STORM WATER DRAINAGE AWAY FROM BUILDING TO DESIGNATED AREA, REFER TO CIVIL DESIGN PLANS
4. PROVIDE EROSION CONTROL FENCING AROUND LOT PERIMETERS. DO NOT REMOVE UNTIL FINAL GRADING IS COMPLETED, REFER TO CIVIL PLANS

KEYNOTES

1. NEW STREET CURB CUT
2. CONCRETE DRIVE / PARKING
3. 5'-0" WIDE CONCRETE WALK.
4. GREEN SPACE – GRASS AREA



EROSION CONTROL FENCING TO BE INSTALLED AROUND PERIMETER OF SITE, DO NOT REMOVE UNTIL AFTER FINAL GRADING

2 SILT FENCE DETAIL
NTS

1 ARCHITECTURAL SITE PLAN
1" = 10'-0"

PARCEL # 17-502285-22
0.23 ACRES
G1-RESIDENTIAL

ARCHITECTURAL SITE PLAN
-FOR REFERENCE ONLY-
REFER TO
CERTIFIED SURVEY MAP

Eskay Architecture
- Commercial
- Industrial
- Residential
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MasterCraft Confidence Builders HOMES

PROJECT TITLE: **4 UNIT RESIDENTIAL BUILDING**

PROJECT LOCATION: **CHASE STREET LACROSSE, WI 54601**

DATE	SET - TYPE
10/17/22	PERMIT SET

DRAWN BY:

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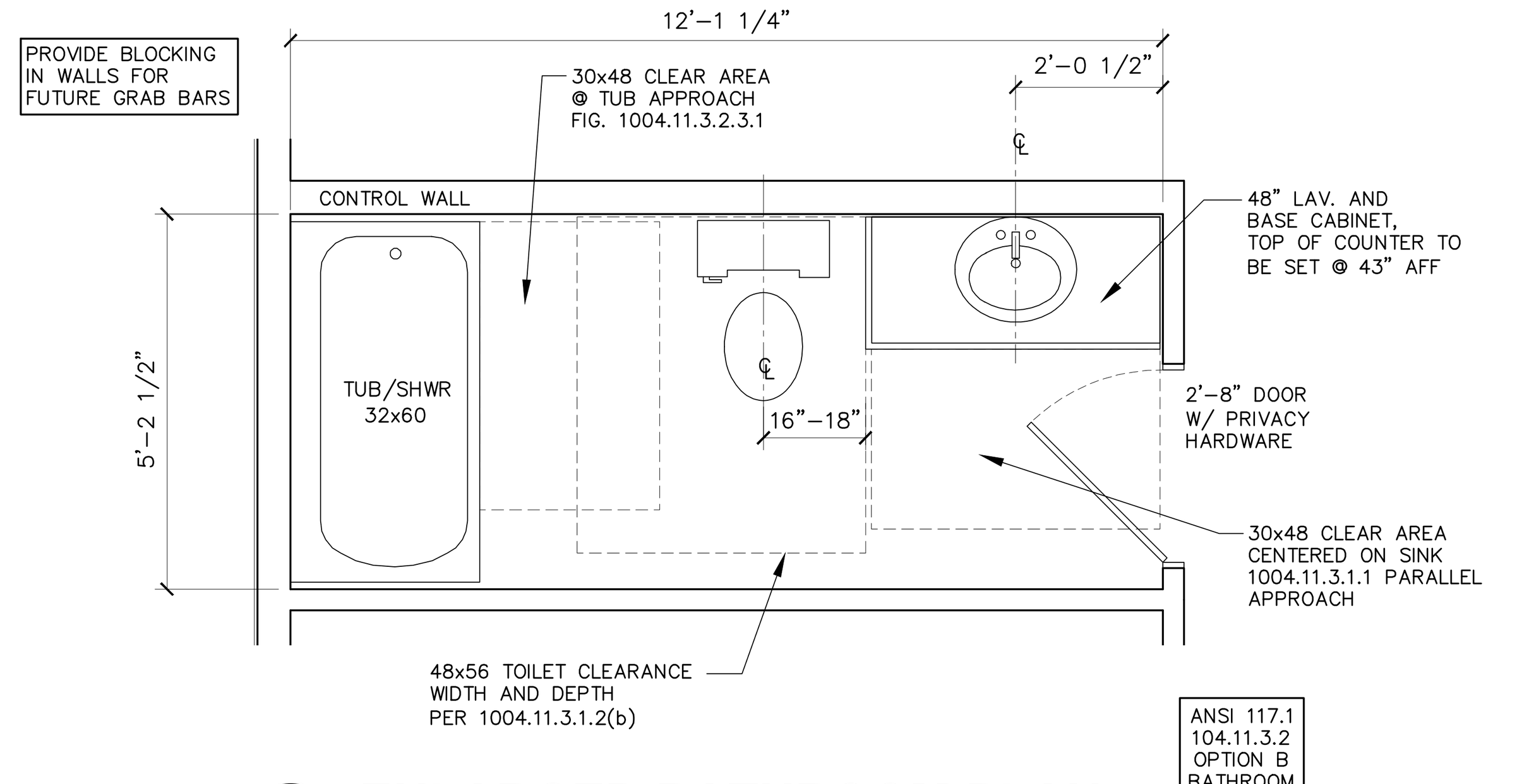
NO.	DATE

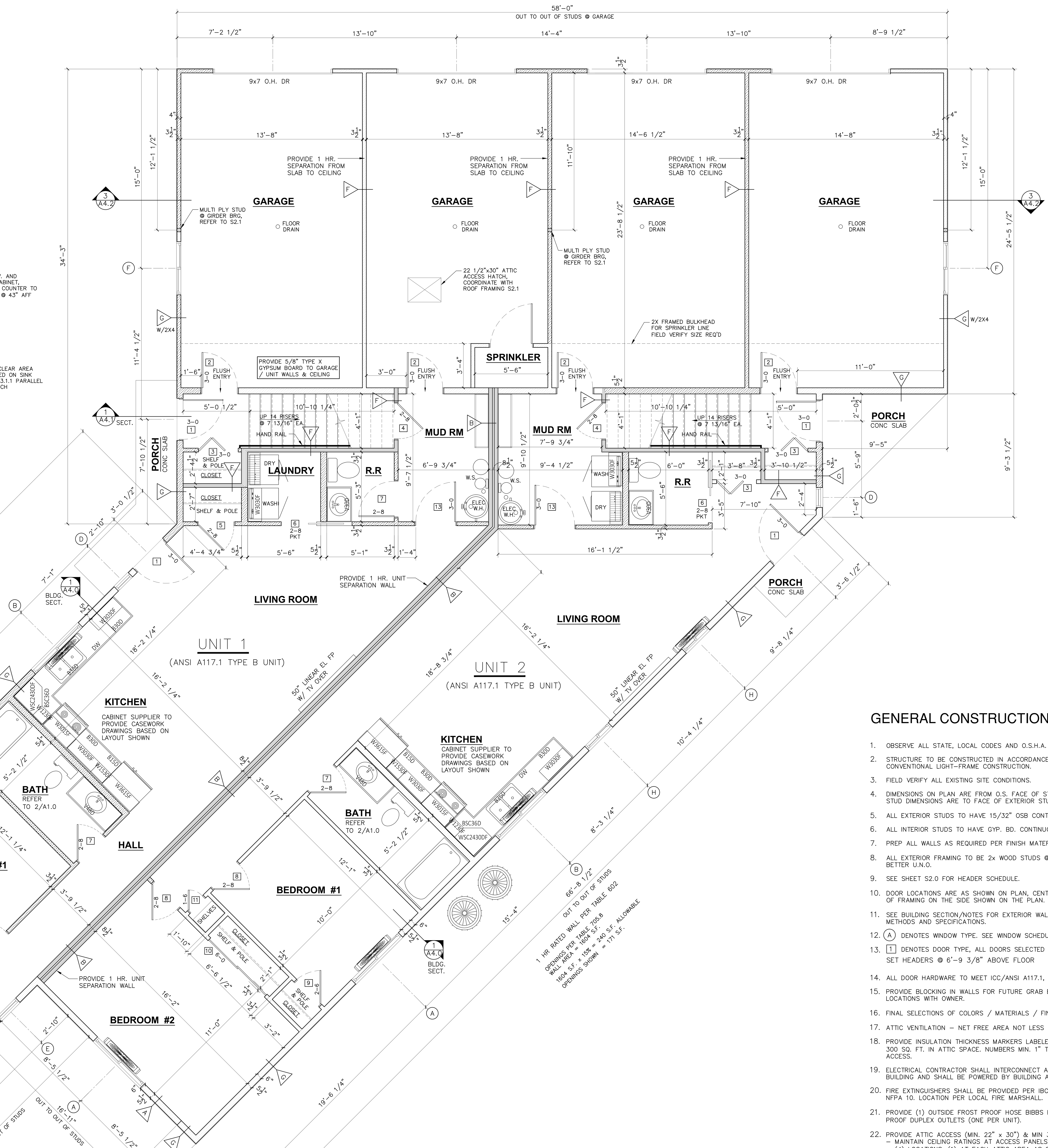
SHEET TITLE
ARCHITECTURAL SITE PLAN

SHEET NO.
A0.1



2 ENLARGED BATHROOM PLAN
3/8" = 1'-0"

PER SECT. 1004.11.3
ONE TOILET AND BATHING AREA
IN EACH APARTMENT UNIT
COMPLIES WITH SECT. 1004.11.3.2
OPTION B BATHROOM



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

GENERAL CONSTRUCTION NOTES

1. OBSERVE ALL STATE, LOCAL CODES AND O.S.H.A. SAFETY STANDARDS.
2. STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH IBC SECTION 2308 – CONVENTIONAL LIGHT–FRAME CONSTRUCTION.
3. FIELD VERIFY ALL EXISTING SITE CONDITIONS.
4. DIMENSIONS ON PLAN ARE FROM O.S. FACE OF STUD TO O.S. FACE OF STUD. EXTERIOR STUD DIMENSIONS ARE TO FACE OF EXTERIOR STUD.
5. ALL EXTERIOR STUDS TO HAVE 15/32" OSB CONTINUOUS ON EXTERIOR SIDE.
6. ALL INTERIOR STUDS TO HAVE GYP. BD. CONTINUOUS TO BOTTOM OF TRUSSES.
7. PREP ALL WALLS AS REQUIRED PER FINISH MATERIAL MANUFACTURERS SPECIFICATIONS.
8. ALL EXTERIOR FRAMING TO BE 2x WOOD STUDS @ 24" O.C., NO 2 GRADE LUMBER OR BETTER U.N.O.
9. SEE SHEET S2.0 FOR HEADER SCHEDULE.
10. DOOR LOCATIONS ARE AS SHOWN ON PLAN, CENTERED ON SHORT WALLS OR PROVIDE 4" OF FRAMING ON THE SIDE SHOWN ON THE PLAN. HINGE AND DOOR SWING AS SHOWN.
11. SEE BUILDING SECTION/NOTES FOR EXTERIOR WALL CONSTRUCTION, CONSTRUCTION METHODS AND SPECIFICATIONS.
12. (A) DENOTES WINDOW TYPE. SEE WINDOW SCHEDULE SHEET A101.
13. [1] DENOTES DOOR TYPE, ALL DOORS SELECTED SHALL BE APPROVED BY THE OWNER. SET HEADERS @ 6'–9 3/8" ABOVE FLOOR
14. ALL DOOR HARDWARE TO MEET ICC/ANSI A117.1, SECTION 404.26 FOR OPERABILITY.
15. PROVIDE BLOCKING IN WALLS FOR FUTURE GRAB BARS. VERIFY OTHER BLOCKING LOCATIONS WITH OWNER.
16. FINAL SELECTIONS OF COLORS / MATERIALS / FINISHES TO BE APPROVED BY OWNER.
17. ATTIC VENTILATION – NET FREE AREA NOT LESS THAN 1/300 OF VENTILATION AREA.
18. PROVIDE INSULATION THICKNESS MARKERS LABELED FOR INCHES INSTALLED PER EVERY 300 SQ. FT. IN ATTIC SPACE. NUMBERS MIN. 1" TALL, AFFIXED TO TRUSSES, FACING ATTIC ACCESS.
19. ELECTRICAL CONTRACTOR SHALL INTERCONNECT ALL SMOKE DETECTORS WITHIN THE BUILDING AND SHALL BE POWERED BY BUILDING AND BATTERY BACKUP.
20. FIRE EXTINGUISHERS SHALL BE PROVIDED PER IBC SECTION 906 AND MAINTAINED PER NFPA 10. LOCATION PER LOCAL FIRE MARSHALL.
21. PROVIDE (1) OUTSIDE FROST PROOF HOSE BIBBS PER LIVING UNIT. (7) OUTSIDE WEATHER PROOF DUPLEX OUTLETS (ONE PER UNIT).
22. PROVIDE ATTIC ACCESS (MIN. 22" x 30") & MIN 30" HEADROOM CLEARANCE,
    – MAINTAIN CEILING RATINGS AT ACCESS PANELS.
    – (4) LOCATIONS, (1) AT EACH ATTIC AREA AS SHOWN ON PLANS. VERIFY LOCATION.

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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 Registered Architect under the laws of he State of WISCONSIN Number: A–10047 Date: 07/31/2024

MasterCraft HOMES
Confidence Builders

PROJECT TITLE:
4 UNIT RESIDENTIAL BUILDING

PROJECT LOCATION:
CHASE STREET LACROSSE, WI 54601

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10/17/22	PERMIT SET

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REVISIONS

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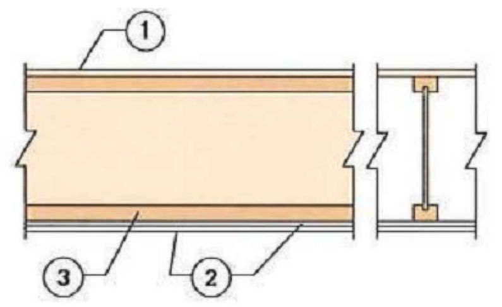
SHEET TITLE
MAIN LEVEL FLOOR PLAN

SHEET NO.
A1.0

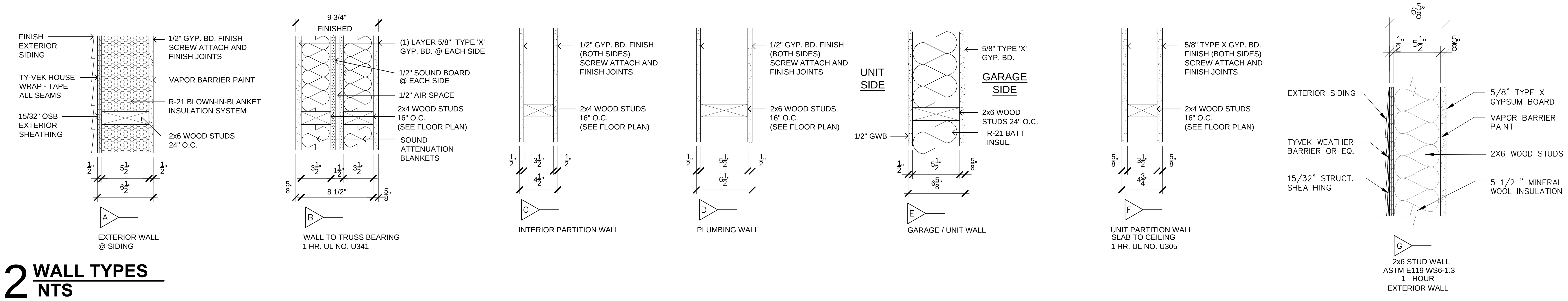


Optional resilient channels directly applied to joists or trusses at 16 inches on-center, supporting both layers of gypsum board, are necessary to achieve sound ratings.

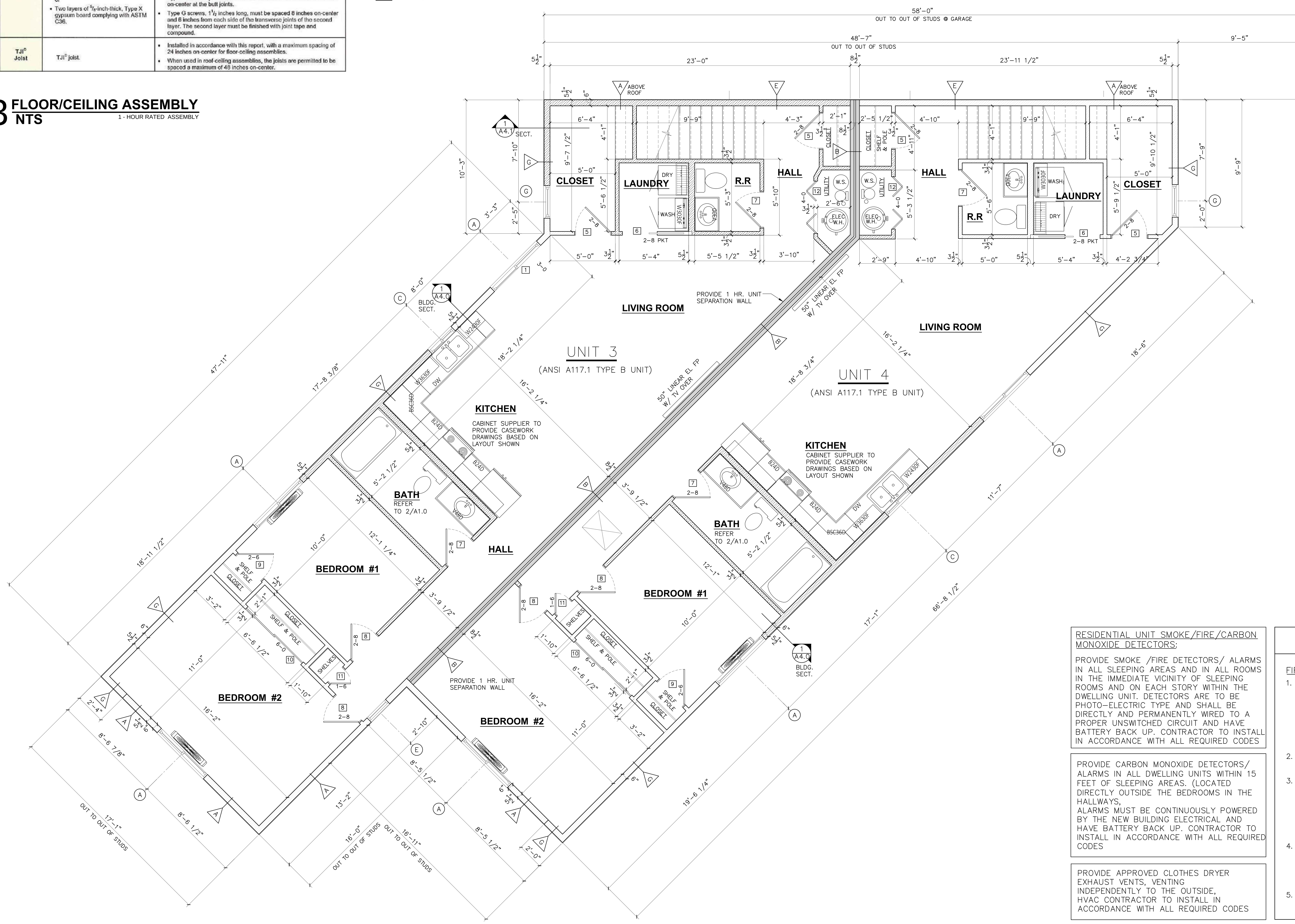
ASSEMBLY ESR-1153
One-hour Fire-resistance-rated Roof-ceiling or Floor-ceiling Assembly

Assembly Component		Component Specifications	Installation
1	Sheathing	• Single layer of 48/24 span-rated, tongue-and-groove, sheathing (Exposure 1). • When used as a roof-ceiling assembly, the decking is permitted to be any wood deck recognized in the code.	• Nailed and glued to the top of the TJI® joists. • Construction adhesive conforming to ASTM D3498 must be applied to the top of the joists prior to placing sheathing. • All butt joints of the sheathing must be located over framing members.
2	Gypsum Board	• Two layers of 1/2-inch-thick NGC Gold Bond® Fire-Shield C gypsum board, or • Two layers of 1/2-inch-thick USG SHEETROCK® Brand FIRECODE® C gypsum panels, or • Two layers of 5/8-inch-thick, Type X gypsum board complying with ASTM C36.	• For TJI® joists spaced 24 inches on-center or less, attach ceiling to joist bottom flange. • The first layer of gypsum board must be installed perpendicular to the TJI joists and attached using 1 5/8-inch-long, Type S screws spaced 12 inches on-center. The second layer must be installed with the joints staggered from the first layer. • The second layer must be fastened to the TJI joists with 2-inch-long, Type S screws spaced 12 inches on-center in the field and 8 inches on-center at the butt joints. • Type G screws, 1 1/2 inches long, must be spaced 8 inches on-center and 6 inches from each side of the transverse joints of the second layer. The second layer must be finished with joint tape and compound.
3	TJI® Joist	TJI® joist.	• Installed in accordance with this report, with a maximum spacing of 24 inches on-center for floor-ceiling assemblies. • When used in roof-ceiling assemblies, the joists are permitted to be spaced a maximum of 48 inches on-center.

3 FLOOR/CEILING ASSEMBLY
NTS
1 - HOUR RATED ASSEMBLY



2 WALL TYPES
NTS



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

RESIDENTIAL UNIT SMOKE/FIRE/CARBON MONOXIDE DETECTORS:

PROVIDE SMOKE /FIRE DETECTORS/ ALARMS IN ALL SLEEPING AREAS AND IN ALL ROOMS IN THE IMMEDIATE VICINITY OF SLEEPING ROOMS AND ON EACH STORY WITHIN THE DWELLING UNIT. DETECTORS ARE TO BE PHOTO-ELECTRIC TYPE AND SHALL BE DIRECTLY AND PERMANENTLY WIRED TO A PROPER UNSWITCHED CIRCUIT AND HAVE BATTERY BACK UP. CONTRACTOR TO INSTALL IN ACCORDANCE WITH ALL REQUIRED CODES

PROVIDE CARBON MONOXIDE DETECTORS/ ALARMS IN ALL DWELLING UNITS WITHIN 15 FEET OF SLEEPING AREAS. (LOCATED DIRECTLY OUTSIDE THE BEDROOMS IN THE HALLWAYS,
ALARMS MUST BE CONTINUOUSLY POWERED BY THE NEW BUILDING ELECTRICAL AND HAVE BATTERY BACK UP. CONTRACTOR TO INSTALL IN ACCORDANCE WITH ALL REQUIRED CODES

PROVIDE APPROVED CLOTHES DRYER EXHAUST VENTS, VENTING INDEPENDENTLY TO THE OUTSIDE, HVAC CONTRACTOR TO INSTALL IN ACCORDANCE WITH ALL REQUIRED CODES

FIRE SUPRESSION SYSTEM:

FIRE SUPRESSION SYSTEM;

1. PROVIDE AN AUTOMATIC SPRINKLER SYSTEM DESIGNED PER NFPA 13R AT ALL RESIDENTIAL AREAS. ALL VALVES CONTROLLING THE WATER SUPPLY FLOW SWITCHES SHALL BE ELECTRONICALLY SUPERVISED. AN ALARM DEVICE SHALL BE PROVIDED ON THE OUTSIDE OF THE BUILDING. THE SPRINKLER SYSTEM SHALL BE INTERCONNECTED TO THE BUILDING OCCUPANT NOTIFICATION SYSTEM.
2. PROVIDE A FIRE DEPARTMENT HOOKUP AS REQUIRED BY LOCAL AND STATE CODES.
3. THE GENERAL CONTRACTOR IS TO PROVIDE FIRE SPRINKLER SYSTEM DETAILED SHOP DRAWINGS AND DEVICE CATALOG CUT SHEETS FOR STATE REVIEW. THIS SUBMITTAL MUST BE PREPARED AND CERTIFIED BY A DESIGNER REGISTERED WITH THE STATE OF WISCONSIN. PROVIDE ALL NECESSARY DRAWING AND CALCULATION SUBMITTALS AS REQUIRED BY LOCAL AND STATE CODES.
4. PROVIDE ALL REQUIRED SYSTEM TESTING AND CERTIFICATION AS CONFORMING TO ALL APPLICABLE CODES PRIOR TO SYSTEM ACCEPTANCE. SYSTEM SHALL BE TESTED BY THE INSTALLER IN THE PRESENCE OF A REPRESENTATIVE OF THE CITY FIRE DEPARTMENT.
5. A MANUAL FIRE ALARM SYSTEM IS NOT REQUIRED IN THIS BUILDING.

Eskay Architecture
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- Industrial
- Residential
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CHASE STREET LACROSSE, WI 54601

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DRAWN BY:

REVISIONS

NO.	DATE

SHEET TITLE
SECOND LEVEL FLOOR PLAN

SHEET NO.
A1.1

WINDOW SCHEDULE

MARK	QNTY.	TYPE	UNIT WIDTH	UNIT HEIGHT	R.O. WIDTH	R.O. HEIGHT	U-VALUE	SHGC	NOTES:
A	10	SLIDER	5'-0"	4'-0"	5'-0 1/2"	4'-0 1/2"	0.29	0.32	EGRESS
B	2	SLIDER	5'-0"	3'-6"	5'-0 1/2"	3'-6 1/2"	0.29	0.32	
C	2	SLIDER	2'-6"	3'-6"	2'-6 1/2"	3'-6 1/2"	0.29	0.32	
D	2	D.H.	1'-6"	4'-6"	1'-6 1/2"	4'-6 1/2"	0.29	0.32	
E	2	D.H.	2'-0"	4'-0"	2'-0 1/2"	4'-0 1/2"	0.29	0.32	
F	2	SLIDER	4'-0"	2'-0"	4'-0 1/2"	2'-0 1/2"	0.29	0.32	
G	4	D.H.	2'-6"	4'-0"	2'-6 1/2"	4'-0 1/2"	0.29	0.32	
H	2	SLIDER	2'-6"	4'-0"	2'-6 1/2"	4'-0 1/2"	0.29	0.32	

ALL REQUIRED EGRESS WINDOWS AT FIRST FLOOR TO HAVE A MINIMUM OPENING AREA OF 5.0 S.F.
ALL REQUIRED EGRESS WINDOWS AT SECOND FLOOR TO HAVE A MINIMUM OPENING AREA OF 5.7 S.F.
ALL REQUIRED EGRESS WINDOWS TO HAVE A MINIMUM NET CLEAR OPENING HEIGHT OF 24"
ALL REQUIRED EGRESS WINDOWS TO HAVE A MINIMUM NET CLEAR OPENING WIDTH OF 20"
ALL REQUIRED EGRESS WINDOWS TO HAVE THE BOTTOM OF THE CLEAR OPENING NOT GREATER THAN 44"

ALLIANCE – VINYL – LOW E – DUAL PANE – ARGON FILLED

DOOR AND HARDWARE SCHEDULE

APARTMENT UNITS

DOOR #	QNTY	LOCATION	SIZE	MATERIAL	HARDWARE GROUP	REMARKS	NOTES
1	4	UNIT ENTRY	3'-0" x 6'-8"	INSUL. STEEL	1	INSULATED EXTERIOR ENTRY DOOR	NOTE #1
2	4	ENTRY GARAGE	3'-0" x 6'-8"	INSUL. STEEL	1	INSULATED EXTERIOR ENTRY DOOR	NOTE #1
3	2	CLOSET	3'-0" x 6'-8"	S.C. WOOD	–	BI-FOLD W/ HARDWARE	
4	2	STAIRS	2'-8" x 6'-8"	S.C. WOOD	3	PRE-HUNG – WOOD PANEL – 20 MIN. LABLE	
5	5	CLOSET	2'-8" x 6'-8"	S.C. WOOD	3	PRE-HUNG – WOOD PANEL	
6	3	LAUNDRY	2'-8" x 6'-8"	S.C. WOOD	–	PRE-HUNG – WOOD PANEL – POCKET DOOR W/ HARDWARE	
7	7	BATHROOM	2'-8" x 6'-8"	S.C. WOOD	2	PRE-HUNG – WOOD PANEL	
8	8	BEDROOMS	2'-8" x 6'-8"	S.C. WOOD	2	PRE-HUNG – WOOD PANEL	
9	4	CLOSET	2'-6" x 6'-8"	S.C. WOOD	3	PRE-HUNG – WOOD PANEL	
10	4	CLOSET	(2) 3'-0" x 6'-8"	WOOD	–	CLOSET SLIDER W/ HARDWARE	
11	4	CLOSET	1'-6" x 6'-8"	S.C. WOOD	–	PRE-HUNG – WOOD PANEL	
12	2	UTILITY	(2) 2'-0" x 6'-8"	WOOD	–	BI-FOLD W/ HARDWARE	
13	2	MUDROOM	3'-0" x 6'-8"	S.C. WOOD	3	PRE-HUNG – WOOD PANEL	

HARDWARE GROUPS

1. ENTRANCE – APARTMENT
- 1 1/2 PAIR HINGES
- LEVER HANDLE
- ENTRY LOCK (ANSI F88)
- DEADBOLT
- DOOR SILENCERS
- WEATHER STRIPPING
- SWEEP
- THRESHOLD

2. PRIVACY
- 1 1/2 PAIR HINGES
- LEVER HANDLE
- PRIVACY LOCKSET (ANSI F76)
- DOOR STOP (WALL)

3. PASSAGE
- 1 1/2 PAIR HINGES
- LEVER HANDLE
- PASSAGE LOCKSET (ANSI F75)
- DOOR SILENCERS
- DOOR STOP

1. PROVIDE ALL REQUIRED WEATHER STRIPPING & SEALS @ EXTERIOR DOORS.
2. OVERHEAD DOOR SUPPLIER TO PROVIDE ALL REQUIRED DOOR HARDWARE, WEATHER STRIPPING AND TRIM TO COMPLETE DOOR INSTALL.

A. HARDWARE COLOR AND FINISHES TO BE SELECTED/APPROVED BY OWNER

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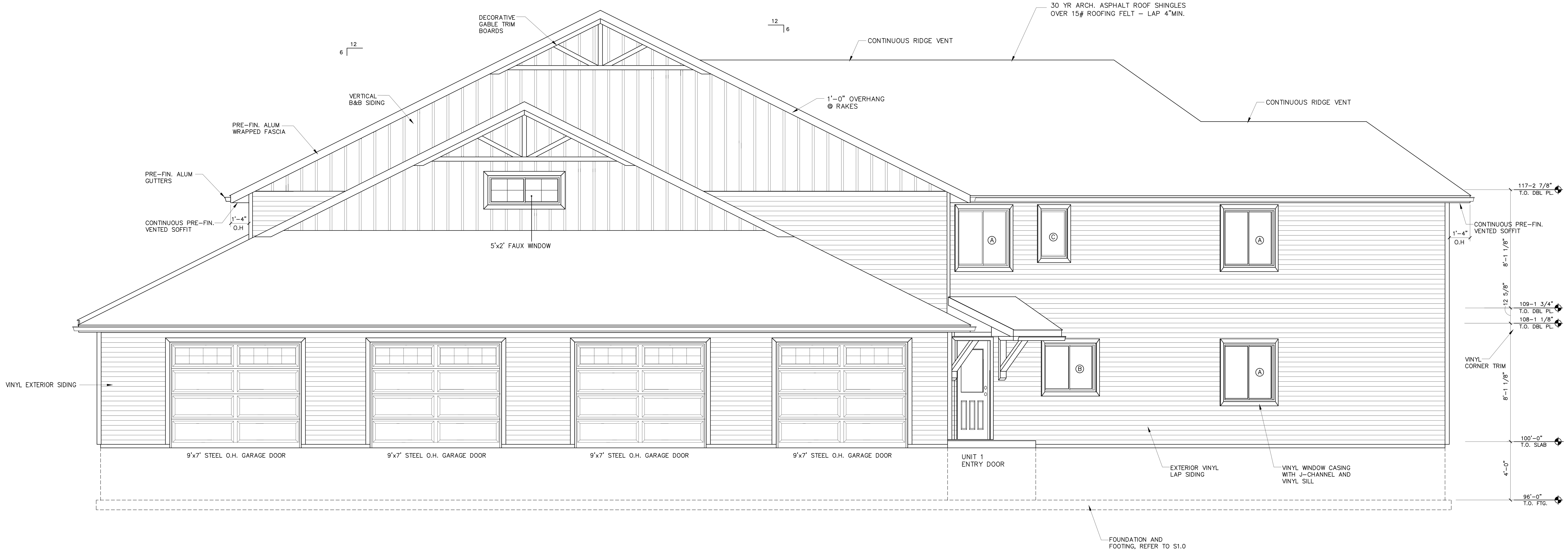
SHEET TITLE
DOOR & WINDOW SCHEDULES

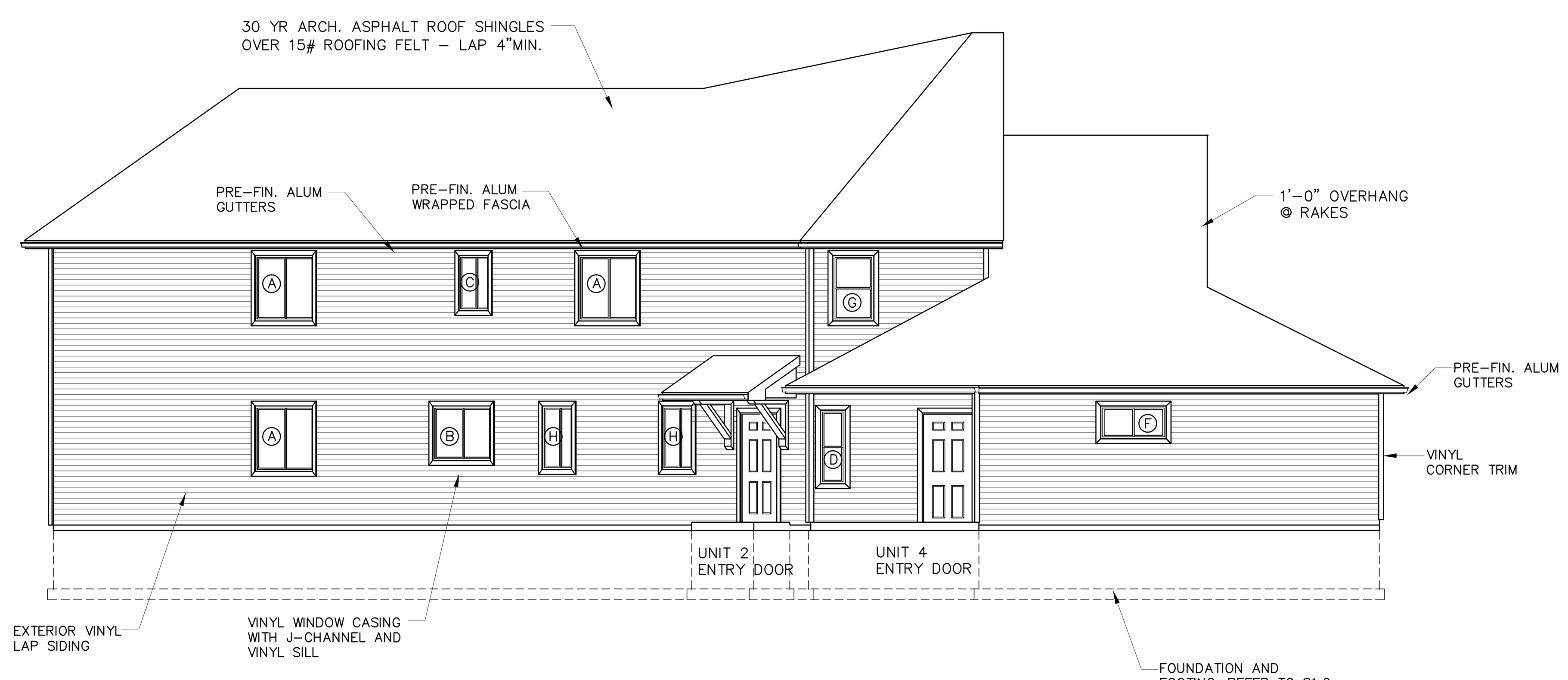
SHEET NO.
A2.0



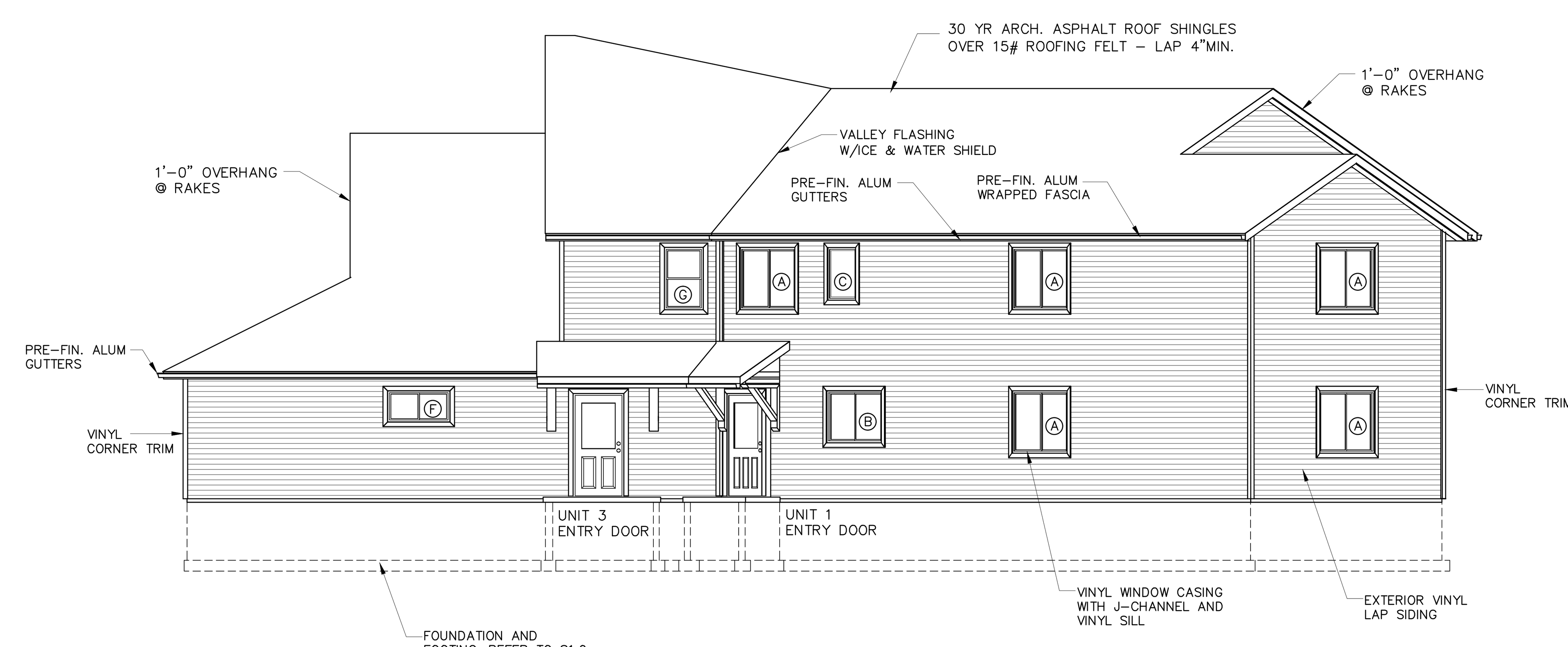
1 **FRONT ELEVATION - NORTH**
1/4" = 1'-0"

GENERAL ELEVATION NOTES

1. FIELD VERIFY ALL EXISTING SITE CONDITIONS, CONTOUR AND GRADES
2. FOOTINGS TO BEAR ON UNEXCAVATED SOIL OR APPROVED COMPACTED ENGINEERED FILL.
3. EXTERIOR VINYL SIDING W/CORNER BOARDS, WINDOW AND DOOR TRIM TO MATCH.
4. PROVIDE CONTINUOUS VENTED SOFFIT PANELS.
5. PROVIDE SEAMLESS GUTTERS AND DOWN SPOUTS AT BUILDING PERIMETER, VERIFY LOCATIONS OF DOWNSPOUTS WITH SITE REQUIREMENTS. CONSULT WITH OWNER
6. TAPE, FLASH AND CAULK ALL WINDOWS PER WINDOW INSTALLATION REQUIREMENTS.
7. PROVIDE TREATED WOOD BLOCKING AND/OR WOOD TRIM AS NECESSARY AT EXTERIOR LIGHT FIXTURES AND OTHER NECESSARY MECHANICAL, ELECTRICAL OR PLUMBING PENETRATIONS.
8. SEE SHEET A2.0 FOR WINDOW SCHEDULE.



2 **LEFT SIDE ELEVATION - EAST**
1/8" = 1'-0"



3 **RIGHT SIDE ELEVATION - WEST**
1/8" = 1'-0"

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- Residential
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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 Registered Architect under the laws of he State of WISCONSIN Number: A-10047 Date: 07/31/2024

MasterCraft HOMES Confidence Builders

PROJECT TITLE:
4 UNIT RESIDENTIAL BUILDING

PROJECT LOCATION:
CHASE STREET LACROSSE, WI 54601

DATE /	SET - TYPE
10/17/22	PERMIT SET

DRAWN BY:

REVISIONS

NO.	DATE

SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NO.
A3.0

1 HR RATED WALL PER TABLE 602

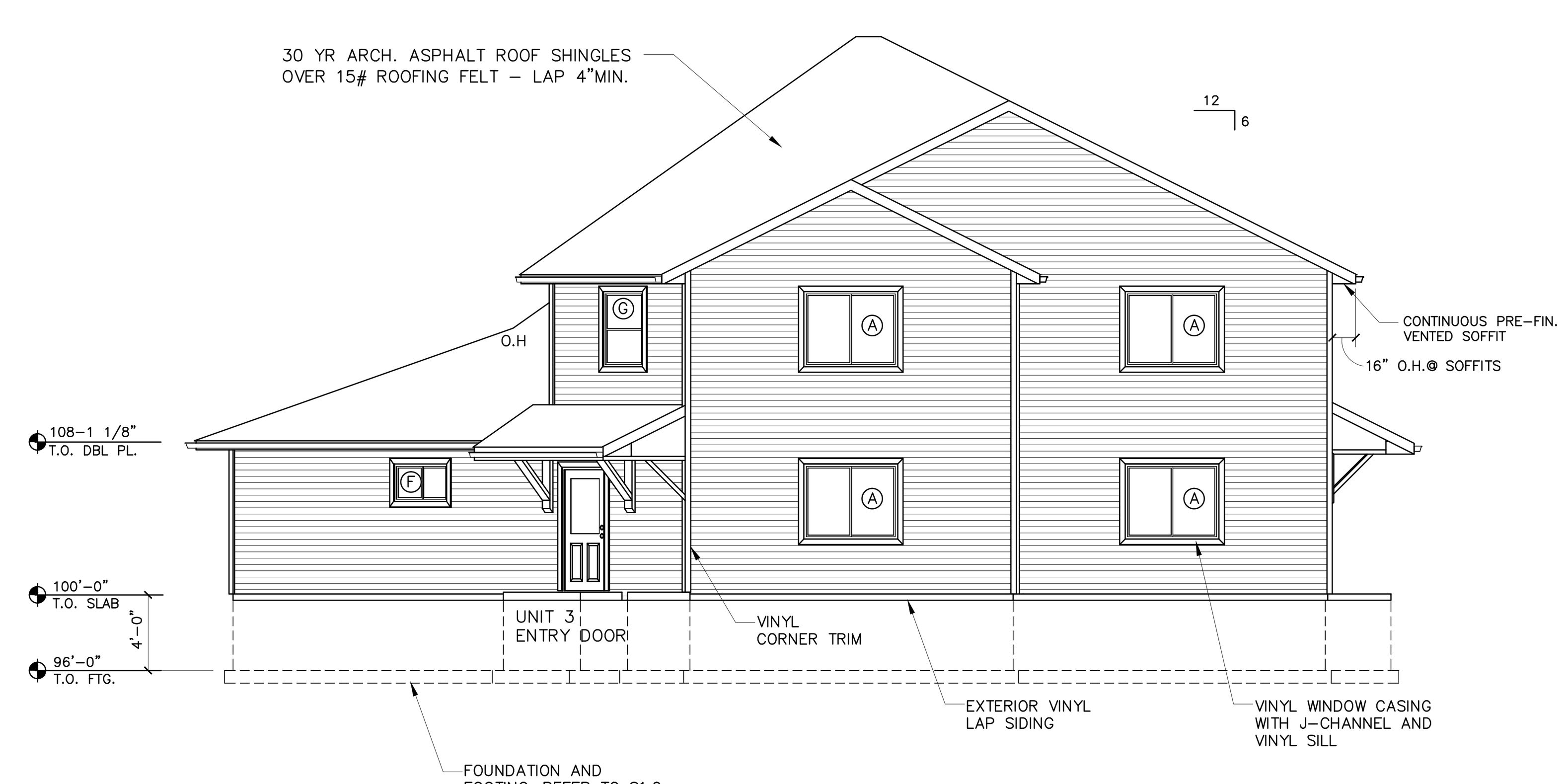
OPENINGS PER TABLE 705.8
WALL AREA = 1604 S.F.

1604 S.F. x 15% = 240 S.F. ALLOWABLE
OPENINGS SHOWN = 171 S.F.

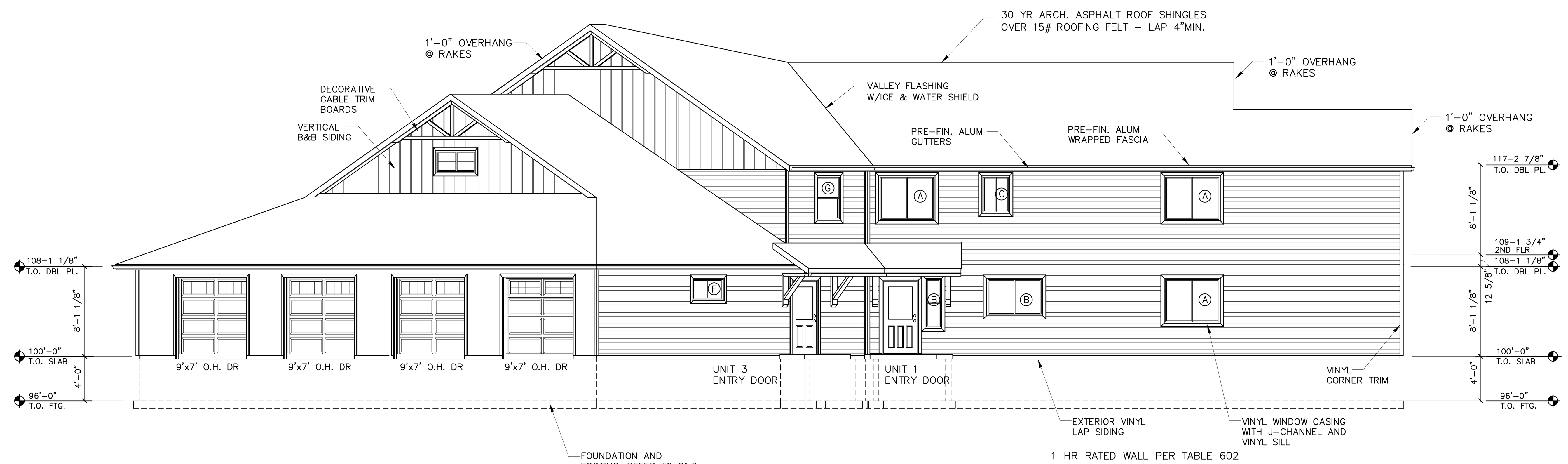
1 RIGHT SIDE ELEVATION - SOUTHEAST
1/4" = 1'-0"

GENERAL ELEVATION NOTES

1. FIELD VERIFY ALL EXISTING SITE CONDITIONS, CONTOUR AND GRADES
2. FOOTINGS TO BEAR ON UNEXCAVATED SOIL OR APPROVED COMPACTED ENGINEERED FILL.
3. EXTERIOR VINYL SIDING W/CORNER BOARDS, WINDOW AND DOOR TRIM TO MATCH.
4. PROVIDE CONTINUOUS VENTED SOFFIT PANELS.
5. PROVIDE SEAMLESS GUTTERS AND DOWN SPOUTS AT BUILDING PERIMETER, VERIFY LOCATIONS OF DOWNSPOUTS WITH SITE REQUIREMENTS. CONSULT WITH OWNER
6. TAPE, FLASH AND CAULK ALL WINDOWS PER WINDOW INSTALLATION REQUIREMENTS.
7. PROVIDE TREATED WOOD BLOCKING AND/OR WOOD TRIM AS NECESSARY AT EXTERIOR LIGHT FIXTURES AND OTHER NECESSARY MECHANICAL, ELECTRICAL OR PLUMBING PENETRATIONS.
8. SEE SHEET A2.0 FOR WINDOW SCHEDULE.



2 REAR ELEVATION - SOUTH WEST
1/8" = 1'-0"



1 HR RATED WALL PER TABLE 602

OPENINGS PER TABLE 705.8
WALL AREA = 1604 S.F.

1000 S.F. x 15% = 150 S.F. ALLOWABLE
OPENINGS SHOWN = 146 S.F.

3 LEFT SIDE ELEVATION - NORTHWEST
1/8" = 1'-0"

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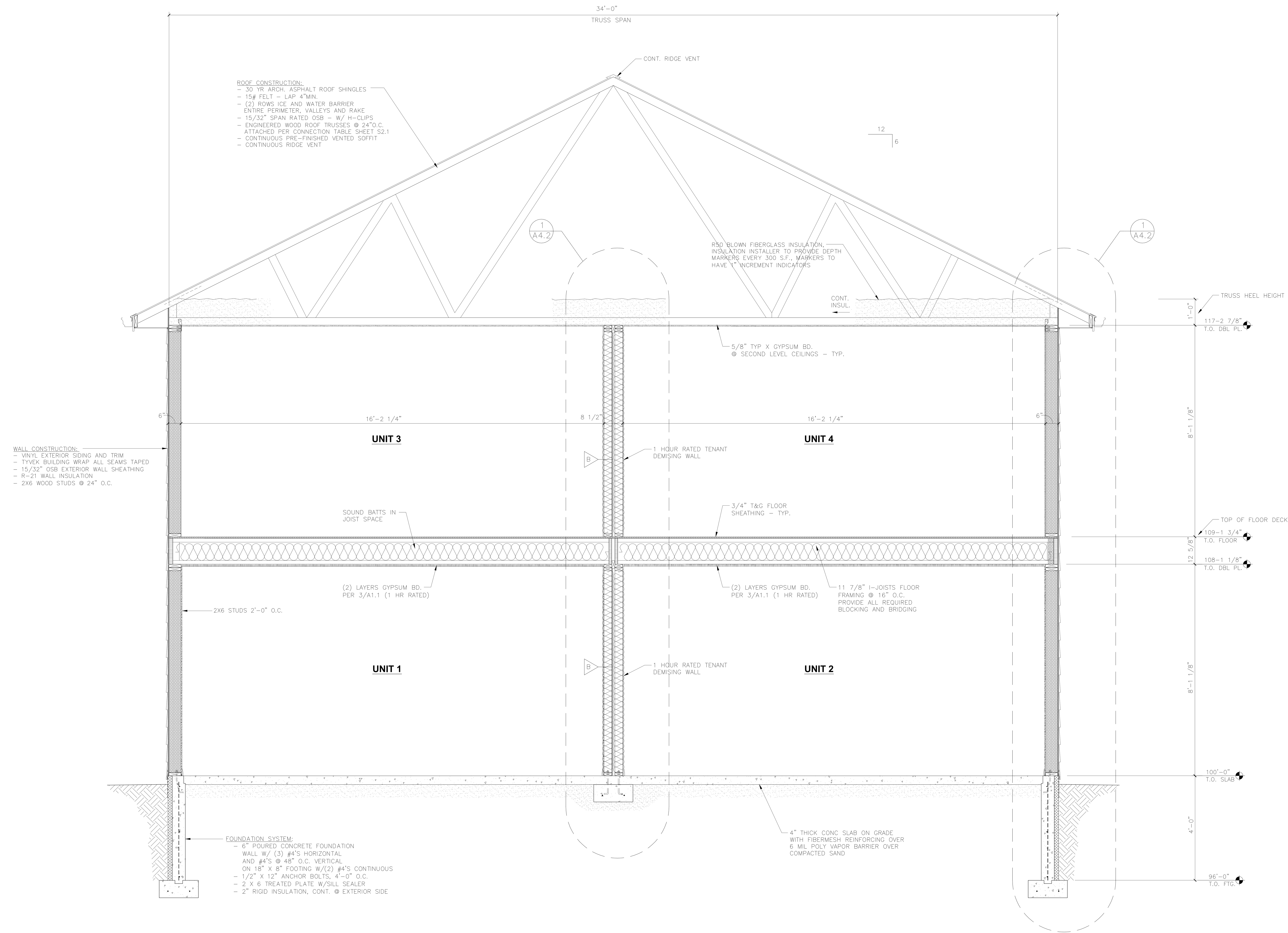
SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NO.
A3.1



1 BUILDING SECTION
1/2" = 1'-0"

GENERAL BUILDING SECTION NOTES

1. PROVIDE TREATED 2x6 SILL PLATE W/ CONT. SILL SEALER. DRILL HOLES IN PLATE TO MATCH ANCHOR BOLT LAYOUT (MIN. 2 BOLTS PER PLATE) AND SECURE TO FOUNDATION W/ WASHER AND NUT.
2. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY IS TO BE TREATED FOR SUCH.
3. ALL ROOF TRUSSES TO TOP PLATE OF EXTERIOR STUD WALLS TO BE CONNECTED PER CONNECTION SCHEDULE SHEET S2.0
4. APPLICATION AND NAILING OF PLYWOOD SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE APA. REFER TO SHEAR WALL PLAN SHEET S2.1
5. CONCRETE SLAB AT INTERIOR LIVING SPACE SHALL BE LEVEL AND PREPARED TO RECEIVE FLOOR FINISHES. SLOPE TO DRAINS WHERE APPLICABLE.

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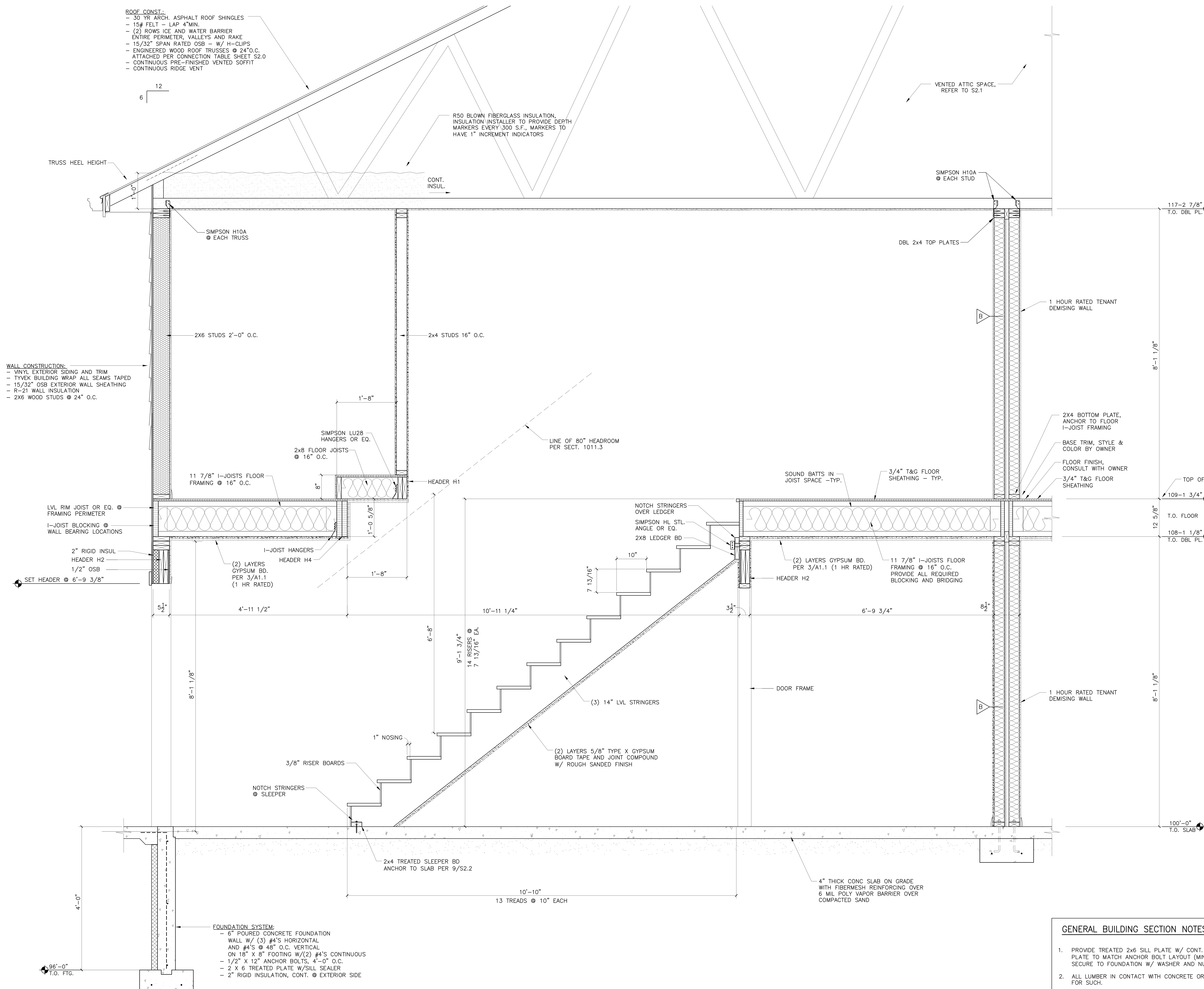
NO.	DATE

SHEET TITLE
BUILDING SECTION

SHEET NO.
A4.0



1 BUILDING SECTION
3/4" = 1'-0"

GENERAL BUILDING SECTION NOTES

1. PROVIDE TREATED 2x6 SILL PLATE W/ CONT. SILL SEALER. DRILL HOLES IN PLATE TO MATCH ANCHOR BOLT LAYOUT (MIN. 2 BOLTS PER PLATE) AND SECURE TO FOUNDATION W/ WASHER AND NUT.
2. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY IS TO BE TREATED FOR SUCH.
3. ALL ROOF TRUSSES TO TOP PLATE OF EXTERIOR STUD WALLS TO BE CONNECTED PER CONNECTION SCHEDULE SHEET S2.0
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5. CONCRETE SLAB AT INTERIOR LIVING SPACE SHALL BE LEVEL AND PREPARED TO RECEIVE FLOOR FINISHES. SLOPE TO DRAINS WHERE APPLICABLE.

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MasterCraft HOMES Confidence Builders

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PROJECT LOCATION:
CHASE STREET LACROSSE, WI 54601

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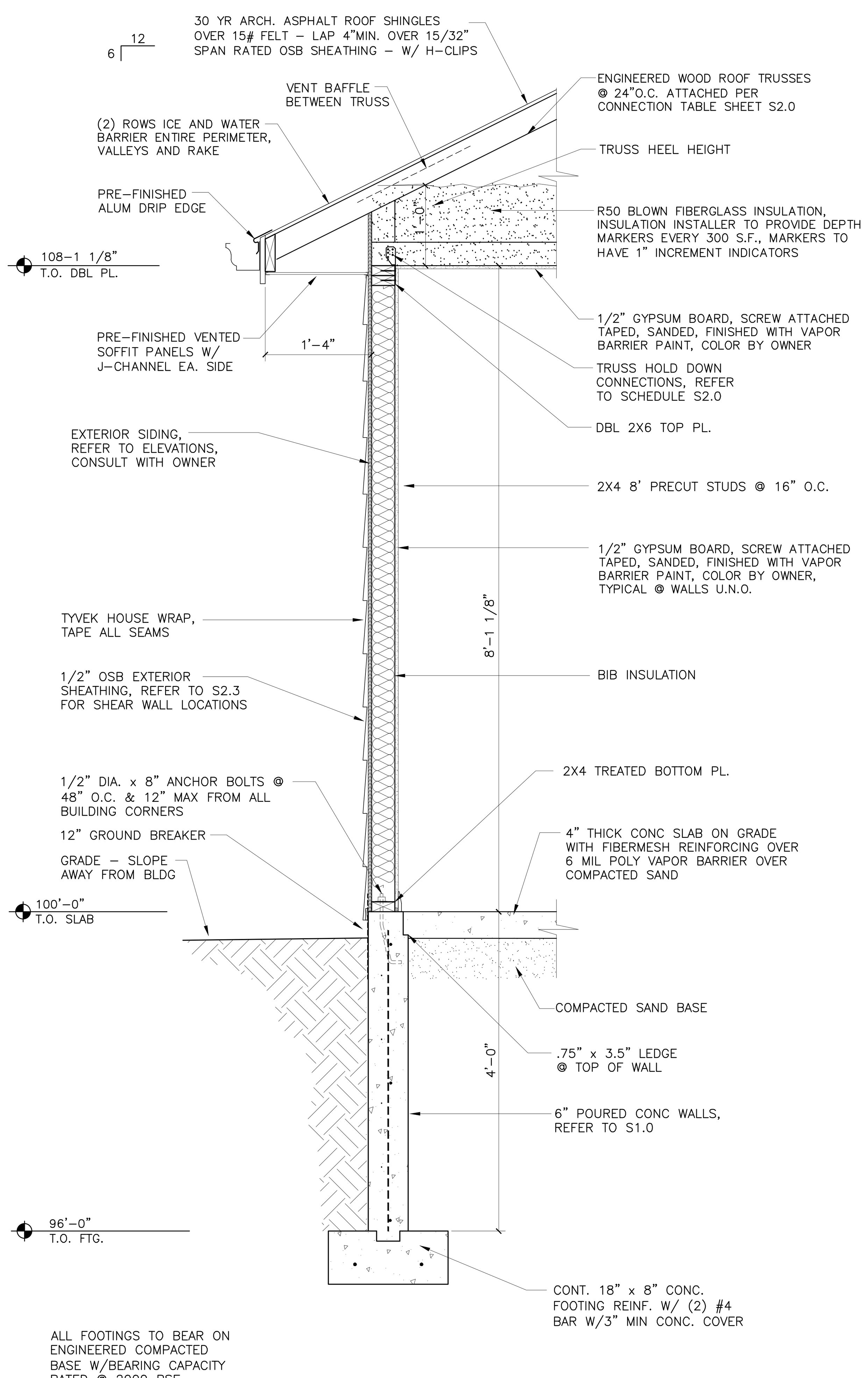
REVISIONS

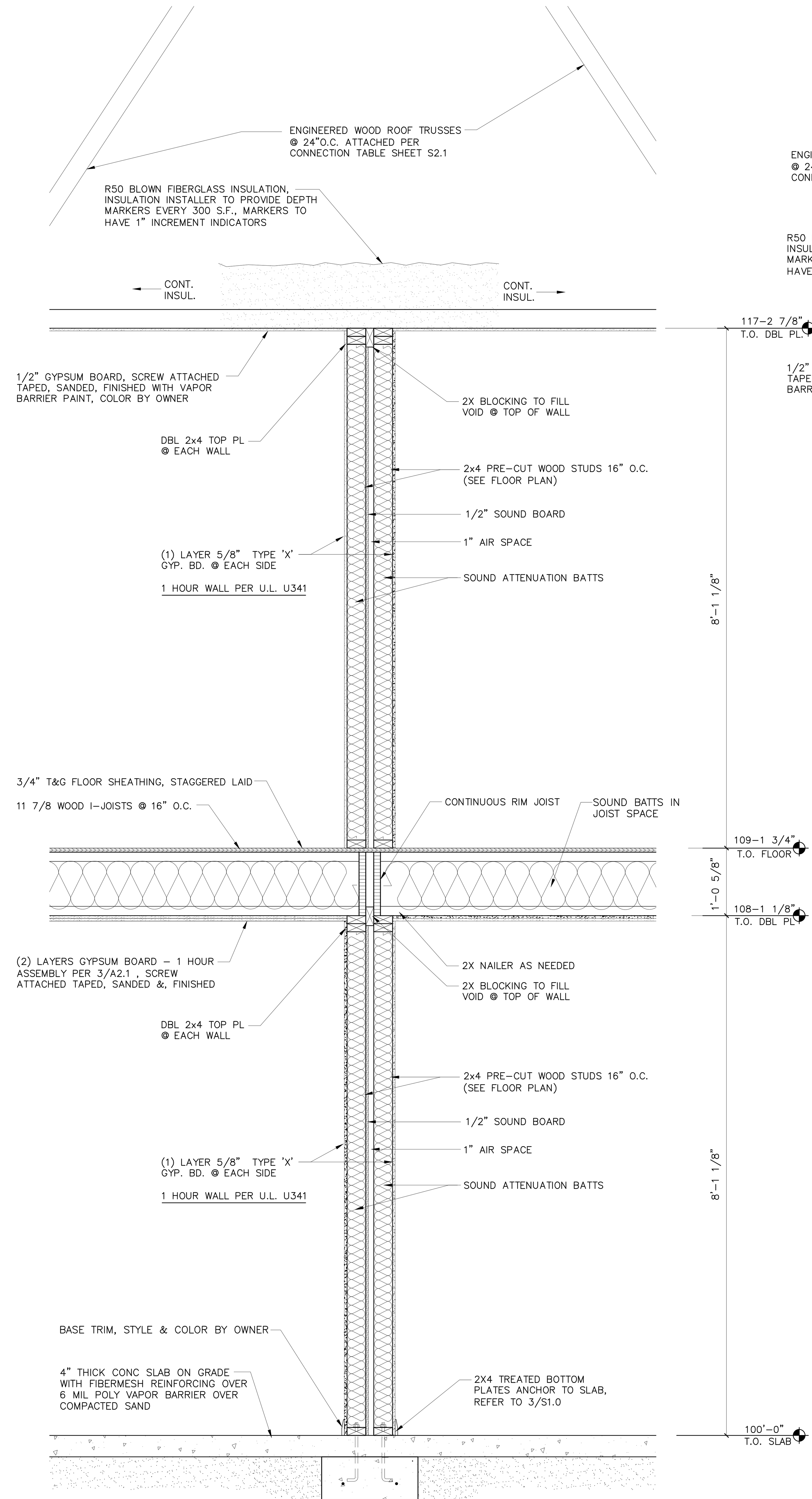
NO.	DATE

SHEET TITLE
BUILDING SECTION

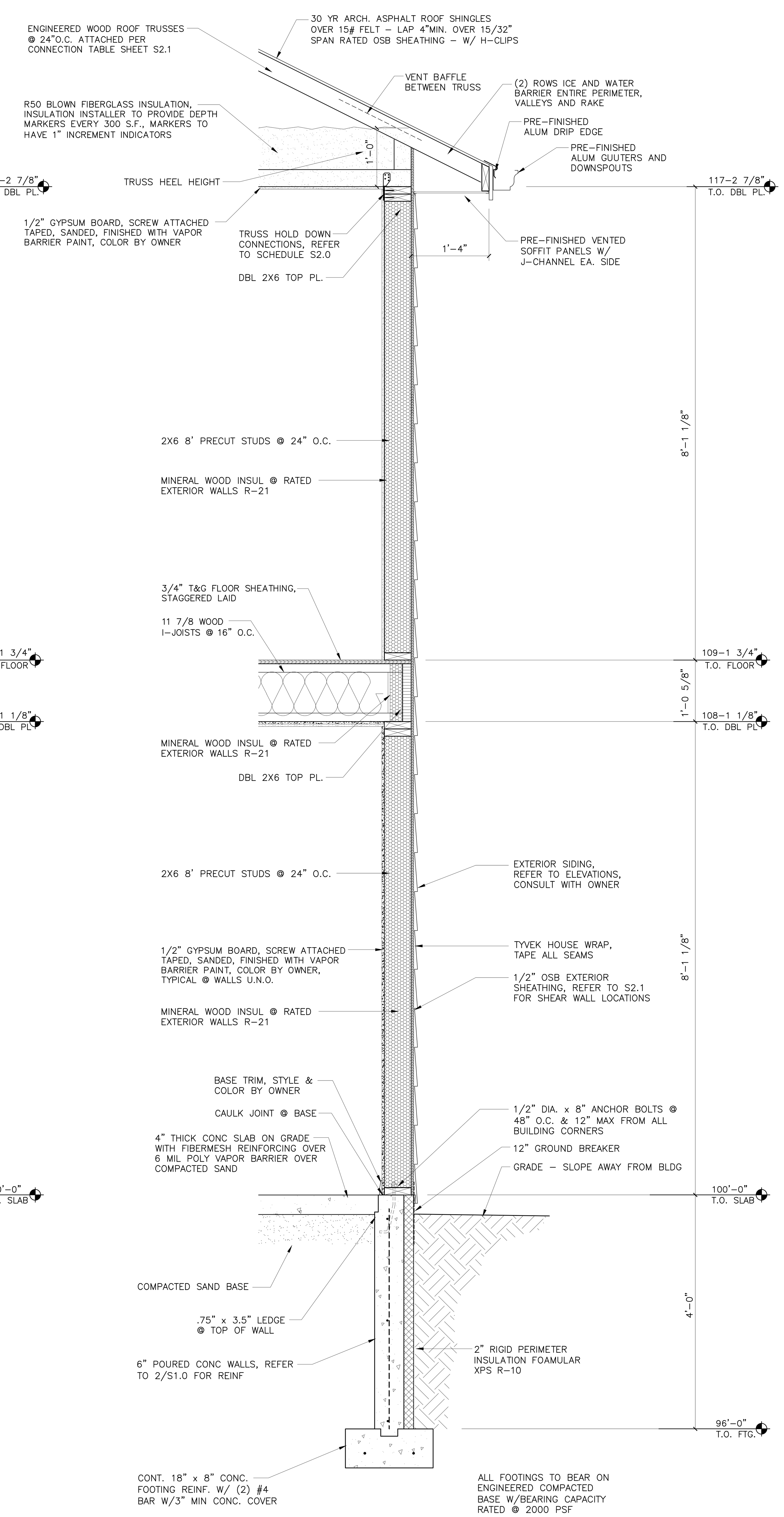
SHEET NO.
A4.1



3 WALL SECTION
3/4" = 1'-0" @ GARGAGE WALL



2 WALL SECTION
3/4" = 1'-0" @ UNIT DEMISING WALL



1 WALL SECTION
3/4" = 1'-0"

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REVISIONS

NO.	DATE

SHEET TITLE
WALL SECTIONS

SHEET NO.
A4.2

STRUCTURAL SPECIFICATIONS

DESIGN:

APPLICABLE CODES/STANDARDS:

-INTERNATIONAL BUILDING CODE-2015 WITH WISCONSIN MODIFICATIONS -ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE/SEI 2005

STRUCTURAL DESIGN STANDARDS:

-ACI 318-05 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY, 2005
-ACI 530/530.1-05 BUILDING CODE REQUIREMENTS
-AISC-ASD/LRFD (ASD ONLY) STEEL CONSTRUCTION MANUAL, 13TH EDITION
-AISC SEISMIC DESIGN MANUAL
-WS D1.1/D1.1M STRUCTURAL WELDING CODE-SEEL, 2006 EDITION
-NDS-NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION ASD/LRFD (ASD ONLY), 2005 EDITION
-NDS-NATIONAL DESIGN SPECIFICATION SUPPLEMENT, DESIGN VALUES FOR WOOD CONSTRUCTION, 2005 EDITION

BUILDING CLASSIFICATION CATEGORY: —— II

BUILDING DESIGN LIVE LOADS/CRITERIA:
FLOOR LIVE LOAD - FIRST FLOOR LIVE LOAD —— 40 PSF

- ROOF SNOW LOADS & DESIGN DATA:

DESIGN ROOF SNOW LOAD	30.8 PSF
FLAT ROOF SNOW LOAD (Pf)=(0.7*Ce*Ct*Is*Pg)	30.8 PSF
SNOW EXPOSURE FACTOR (Ce)	1.0
SNOW LOAD IMPORTANCE FACTOR (Is)	1.0
ROOF THERMAL FACTOR (Ct)	1.1
GROUND SNOW (Pg)	40.0 PSF
RAIN ON SNOW SURCHARGE	0
SLOPED ROOF FACTOR (Cs)	1.0
UNBALANCED SNOW LOAD	WINDWARD 8.4 PSF /LEEWARD 20.0 PSF @ 8.3'

WIND DESIGN DATA: ASCE 7-10

WIND IMPORTANCE FACTOR (Iw)	1.0
BASIC WIND SPEED (3-SECOND GUST)	115 mph
MEAN ROOF HEIGHT	15 FT
WIND EXPOSURE CATEGORY	B
WIND EXPOSURE CLASSIFICATION	ENCLOSED
BUILDING LENGTH (L)	82.25 FT
LEAST WIDTH (B)	34 FT
TOPOGRAPHIC FACTOR Kzt	1.0
EDGE STRIP (a)	4.8 FT
DESIGN PROCEDURE	METHOD 1 (SIMPLIFIED PROCEDURE)

SEISMIC DESIGN INFORMATION

SEISMIC SITE CLASS "D" (assumed)

SEISMIC USE GROUP 1

SEISMIC DESIGN CATAGORY "A"

SMS = 0.07%
SM1 = 0.03%
SDS = 0.001
SD1 = 0.001

COMPONANT AND CLADDING DESIGN PRESSURES

PER ASCE 7-10 FIGURE 30-4-2B & TABLE 30.7.2

GENERAL:

1. ALL MATERIALS, CONSTRUCTION, AND DETAILS SHALL CONFORM WITH THE FOLLOWING:
   PLANS AND SPECIFICATIONS
   2006 WISCONSIN BUILDING CODE-2006 IBC - OSHA REGULATIONS
2. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE FAMILIAR WITH THE ENTIRE SET OF CONSTRUCTION DOCUMENTS (ARCHITECTURAL, CIVIL, ELECTRICAL, PLUMBING, STRUCTURAL, ETC.) IN ORDER TO PROVIDE ALL CONSTRUCTION AND MATERIALS FOR THIS PROJECT.
3. THE CONTRACTOR SHALL REFER TO OTHER DRAWINGS CONTAINED IN THE CONSTRUCTION DOCUMENTS FOR ADDITIONAL SPECIFIED MEMBERS, DIMENSIONS, ELEVATIONS, DETAILS, OPENINGS, INSERTS, SLEEVES, DEPRESSIONS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS REQUIRED TO CONSTRUCT THIS PROJECT.
4. DETAILS SHOWN ON STRUCTURAL DRAWINGS SHALL BE APPLICABLE TO ALL PORTIONS OF THE CONTRACT DOCUMENTS UNLESS NOTED OTHERWISE.
5. DIMENSIONS AND ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS SUPERSEDE DIMENSIONS AND ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS.
6. DO NOT SCALE PLANS.
7. IN NO CASE SHALL STRUCTURAL ALTERATIONS OR WORK AFFECTING A STRUCTURAL MEMBER BE MADE UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
8. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND CONSTRUCTION SEQUENCE IN ORDER TO INSURE THE SAFETY OF THE BUILDING AND WORKMEN DURING CONSTRUCTION (MEANS & METHODS OF CONSTRUCTION). THIS INCLUDES, BUT IS NOT LIMITED TO: SHORING, UNDERPINNING, TEMPORARY BRACING, ETC.
9. CONSTRUCTION DOCUMENTS SHOW DIMENSIONS AND ELEVATIONS TO SIGNIFICANT WORKING POINTS (COLUMN CENTERLINES, OUTSIDE FACE OF WALLS, TOP OF FRAMING MEMBERS, ETC.) MATERIAL SUPPLIERS AND DESIGNERS ARE RESPONSIBLE FOR ALL OTHER INFORMATION IN ORDER TO DETAIL/FABRICATE THEIR WORK. CONTACT THE ARCHITECT WITH ANY DISCREPANCIES.
10. IN THE EVENT OF ANY DISCREPANCIES BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PLANS CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL BRING THE DISCREPANCY TO THE ARCHITECTS ATTENTION IN WRITING IMMEDIATELY OR SHALL BID THE MOST EXPENSIVE INSTALLATION SPECIFIED.

DEFLECTION LIMITS:

ROOF MEMBERS	LIVE	SNOW OR WIND	DEAD + LIVE/SNOW
SUPPORTING GYPSUM BOARD CEILINGS	L/360	L/360	
SUPPORTING FLEXIBLE CEILINGS	L/240	L/240	
NOT SUPPORTING CEILING	L/240	L/240	
SUPPORTING RIGID MATERIALS (BRICK, MASONRY, ETC.)	L/600 OR 0.3 in	L/600 OR 0.3 in	L/600 OR 0.3 in
LINTEL/HEADER/BEAM MEMBERS			
SUPPORTING RIGID MATERIALS (BRICK, MASONRY, ETC.)	L/600 OR 0.3 in	L/600 OR 0.3 in	L/600 OR 0.3 in
SUPPORTING FLEXIBLE MATERIALS (EIFS, SIDING, ETC.)	L/360	L/360	

EXTERIOR WALLS

WITH RIGID FINISHES (BRICK, MASONRY, ETC.)	L/600 OR 0.3 in
WITH FLEXIBLE FINISHES (EIFS, SIDING, ETC.)	L/360

MATERIAL STRENGTHS:

CAST-IN-PLACE CONCRETE:

FOOTINGS	
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	f'c = 3000 PSI
MAXIMUM WATER-CEMENTITIOUS RATIO	0.55
MAXIMUM AGGREGATE SIZE	1 1/2"
SLUMP LIMIT	5" +/- 1"
AIR CONTENT	NO
FOUNDATION WALLS	
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	f'c = 4000 PSI
MAXIMUM WATER-CEMENTITIOUS RATIO	0.50
MAXIMUM AGGREGATE SIZE	3/4"
SLUMP LIMIT	4" +/- 1"
AIR CONTENT	NO
INTERIOR SLABS ON GRADE	
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	f'c = 4000 PSI
MAXIMUM WATER-CEMENTITIOUS RATIO	0.47
MAXIMUM AGGREGATE SIZE	3/4"
SLUMP LIMIT	4" +/- 1"
AIR CONTENT	NO
EXTERIOR SLABS ON GRADE	
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	f'c = 4500 PSI
MAXIMUM WATER-CEMENTITIOUS RATIO	0.42
MAXIMUM AGGREGATE SIZE	3/4"
SLUMP LIMIT	3" +/- 1"
AIR CONTENT	YES 6 +/- 1 1/2 %
PIERS	
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	f'c = 4000 PSI
MAXIMUM WATER-CEMENTITIOUS RATIO	0.47
MAXIMUM AGGREGATE SIZE	3/4"
SLUMP LIMIT	4" +/- 1"
AIR CONTENT	NO

REINFORCING STEEL:

ALL-ASTM A 615, GRADE 60, DEFORMED	Fy = 60,000 PSI
STEEL WELDED WIRE REINFORCEMENT, FLAT SHEETS	Fy = 60,000 PSI

STRUCTURAL STEEL:

ROLLED WIDE FLANGE SHAPES, ASTM A 992 GRADE 50	Fy = 50,000 PSI
CHANNELS, ANGLES, & S SHAPES, ASTM A 36 GRADE 50	Fy = 36,000 PSI
PLATE & BAR, ASTM A 36 GRADE 50	Fy = 36,000 PSI
TUBE SHAPES, ASTM A 500 GRADE B	Fy = 46,000 PSI
PIPE, ASTM A 53, TYPE E OR S, GRADE B	Fy = 46,000 PSI
ALL OTHER ROLLED SHAPES, ASTM A 36 GRADE 50	Fy = 36,000 PSI

STRUCTURAL BOLTS:
HIGH STRENGTH BOLTS, NUTS, & WASHERS, ASTM A 325
ZINC-COATED HIGH STRENGTH BOLTS, NUTS, & WASHERS, ASTM A 325
STAINLESS STEEL BOLTS, NUTS, & WASHERS, ASTM F 593
SHEAR CONNECTORS, ASTM A 108 GRADES 1015 THRU 1020
THREADED RODS, ASTM A 36 GRADE 50
CLEVISES & TURNBUCKLES, ASTM A 108, GRADE 1035
EYE BOLTS & NUTS, ASTM A 108, GRADE 1030
ANCHOR BOLTS, ASTM A 301

WELDED CONNECTIONS:
WELDING ELECTRODES —— E70XX

MASONRY: —— f'm = 2000 PSI

MASONRY MORTAR:
TYPE "M" MORTAR BELOW GRADE
TYPE "M" OR "S" ABOVE GRADE

GROUT BELOW BASE PLATES & BEARING PLATES:
NONMETALLIC, SHRINKAGE-RESISTANT ASTM C 1107
- MIN GROUT COMPRESSIVE STRENGTH —— 5000 PSI

WOOD FRAMING:

2x6 & SMALLER	SPF #2
2x8 & LARGER	DFL #1
LAMINATED VENEER LUMBER (LVL)	E = 2.0 x 10^6 PSI

ALLOWABLE SOIL BEARING PRESSURE: —— 2000 PSF ASSUMED

FOUNDATION & EARTHWORK:

1. ALL EXTERIOR FOOTINGS MUST BEAR AT A MINIMUM DEPTH OF 4'-0" BELOW ADJACENT FINISH EXTERIOR GRADE.
2. DO NOT PLACE ANY FOOTINGS ON FROZEN SUBGRADE.
3. BACK FILLING SHALL BE DONE SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION WALLS.
4. REMOVE ANY EXISTING CONCRETE 2'-0" BELOW NEW CONCRETE FOOTINGS AND SLABS ON GRADE.
5. CENTER PIER AND COLUMN FOOTINGS ON COLUMN CENTERLINES AND WALL FOOTINGS ON WALL CENTERLINES UNLESS SPECIFICALLY NOTED OTHERWISE.
6. TOP OF FOOTING ELEVATIONS SHOWN ON THESE CONSTRUCTION DOCUMENTS REPRESENT MINIMUM FOOTING DEPTHS FOR FROST PROTECTION AND BEST JUDGMENT OF A SUITABLE BEARING STRATUM. ACTUAL GRADE CONDITIONS AND SUITABLE BEARING STRATUM MUST BE VERIFIED BY THE CONTRACTOR AND A SOILS ENGINEER AT THE TIME OF EXCAVATION.
7. FOOTING EXCAVATIONS MUST EXTEND TO COMPETENT BEARING MATERIAL. CONTRACTOR SHALL HIRE A SOILS ENGINEER TO FIELD VERIFY NET ALLOWABLE SOIL BEARING CAPACITY STATED ON THESE CONSTRUCTION DOCUMENTS AND IN GEOTECHNICHAL REPORT FOR THIS PROJECT. IF SUITABLE BEARING STRATUM DOES NOT EXIST AT FOOTING ELEVATIONS STATED ON CONSTRUCTION DOCUMENTS, EXCAVATIONS SHALL BE EXTENDED UNTIL SOIL WITH STATED BEARING CAPACITY IS REACHED. PLACE COMPACTED FILL BELOW FOOTINGS OR EXTEND FOOTINGS DOWN TO SUITABLE BEARING STRATUM. ENGINEERED FILL BELOW SLABS ON GRADE AND FOOTINGS SHALL BE FREE DRAINING GRANULAR MATERIAL COMPACTED TO 95% MODIFIED PROCTOR AND PLACED PER THE SOIL ENGINEERS RECOMMENDATIONS.

CAST-IN-PLACE REINFORCED CONCRETE:

1. CONCRETE WORK SHALL CONFORM TO THE CURRENT EDITION OF ACI 318 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE) AND ACI 302 (GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION).
2. CONTRACTOR SHALL SUBMIT FIVE SETS OF STEEL REBAR SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTING TO THE ARCHITECT.

CONCRETE EXPOSED TO EXTERIOR CONDITIONS SHALL BE AIR-ENTRAINED 6% ± 1.5%.

3. GROUT BELOW BASE PLATES AND BEARING PLATES SHALL BE NON-SHRINK, NON-METALLIC GROUT 3/4" THICK MINIMUM.
4. STEEL REINFORCING BARS SHALL CONFORM TO ASTM A615 (GRADE 60). DEFORMED WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
5. CONTRACTOR SHALL PROVIDE SUITABLE WIRE SPACERS, CHAIRS, TIES, ETC FOR SUPPORTING REINFORCING STEEL IN THE PROPER POSITION WHILE PLACING CONCRETE.
6. PROVIDE (2)-#5 BARS AROUND ALL OPENINGS AND (2)-#5 BARS DIAGONALLY AT ALL OPENING CORNERS. EXTEND BARS 2'-6" PAST OPENING.
7. PROVIDE 1/2" EXPANSION JOINT MATERIAL AT INTERIOR LOCATIONS WHERE SLABS ABUT WALLS, COLUMNS, AND OTHER VERTICAL SURFACES UNLESS NOTED OTHERWISE.
8. PROVIDE A 1" CHAMFER ON EXPOSED CORNERS OF CONCRETE UNLESS NOTED OTHERWISE.
9. DO NOT PLACE CONDUITS, PIPES, DUCTS, OR FIXTURES IN STRUCTURAL CONCRETE UNLESS NOTED OTHERWISE.
10. SLEEVES, CONDUITS, OR PIPING PASSING THROUGH CONCRETE SLABS AND WALLS SHALL BE PLACED SO THAT THEY ARE NOT CLOSER THAN THREE DIAMETERS ON CENTER AND SO THAT THEY DO NOT DISPLACE REINFORCING.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY IRREGULARITIES OR DEFECTS IN CONCRETE SLABS (CRACKS, BUMPS, FLOOR CURLING, ETC.) BEFORE ANY FLOOR FINISHES ARE APPLIED.
12. ALL LAPS IN REINFORCING STEEL SHALL BE CLASS "B" LAP SPLICES UNLESS OTHERWISE NOTED.
13. CONTRACTOR SHALL HIRE A MATERIALS TESTING LABORATORY TO CAST AND TEST CONCRETE CYLINDERS. ALL TESTING SHALL BE IN ACCORDANCE WITH ACI 318.83 SECTION 4.7. RESULTS OF CYLINDER TESTS SHALL BE SUBMITTED TO THE ARCHITECT. CONCRETE TEST REPORTS SHALL STATE THE FOLLOWING INFORMATION:
14. LOCATION ON PROJECT WHERE THE CONCRETE IS USED
    7 DAY COMPRESSIVE STRENGTH
    28 DAY COMPRESSIVE STRENGTH
    AIR CONTENT
    SLUMP
    AMOUNT OF WATER ADDED ON JOB SITE
    MIX USED
15. CONCRETE TEST REPORTS SHALL DIRECTLY STATE WHETHER OR NOT THE TEST RESULT COMPLIES WITH THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.
16. CLASS C FLY ASH OR SLAG MAY BE SUBSTITUTED FOR CEMENT ON A POUND TO POUND BASIS UP TO 25% OF THE TOTAL CEMENTITIOUS CONTENT.
17. ALL CONCRETE SLABS SHALL BE WET CURED PER ACI RECOMMENDATIONS FOR NO LESS THAN SEVEN DAYS.
18. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE ARE NOT PERMITTED IN ANY CONCRETE MIX.
19. PROVIDE THE FOLLOWING CLEAR COVER DISTANCES FOR REINFORCEMENT IN CONCRETE:

FOOTINGS - BOTTOM & SIDES	3"
FOOTINGS - TOP	2"
SLABS - BOTTOM & SIDES	1"
SLABS - TOP	1"
WALLS - FACE	3/4"

STRUCTURAL STEEL:

1. DESIGN, FABRICATION, AND ERECTION SHALL CONFORM TO THE CURRENT EDITION OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) "MANUAL OF STEEL CONSTRUCTION".
2. STEEL DETAILING AND CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT EDITION OF AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN".
3. WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS HOLDING CURRENT AWS CERTIFICATES IN THE TYPES OF WELDING SPECIFIED ON THESE CONSTRUCTION DOCUMENTS.
4. CONTRACTOR SHALL SUBMIT FIVE SETS OF STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTING TO THE ARCHITECT.
5. CONTRACTOR SHALL DESIGN AND PROVIDE ANY TEMPORARY BRACING OR GUYS REQUIRED TO ERECT STEEL MEMBERS. TEMPORARY BRACING SHALL BE LEFT IN PLACE UNTIL THE PERMANENT STRUCTURE IS IN PLACE AND SECURE.

PROVIDE 3/16" CAP PLATE AT THE ENDS OF ALL EXPOSED TUBE AND PIPE MEMBERS.

6. STAIRS, HANDRAILS, AND GUARDRAILS SHALL BE DESIGNED BY THE STEEL SUPPLIER.
7. ALL STEEL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER (WITHIN MILL TOLERANCE).
8. CAPACITY OF BOLTED OR WELDED CONNECTIONS SHALL BE EQUAL TO OR EXCEED 120% OF BEAM REACTION PRODUCED BY MAXIMUM ALLOWABLE UNIFORM LOAD ON THE GIVEN MEMBER SPAN.

9.

10. UNLESS OTHERWISE NOTED ON CONSTRUCTION DOCUMENTS, ALL BEAM CONNECTIONS SHALL BE DOUBLE ANGLE CONNECTIONS WITH A325N BOLTS. AT BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS, PROVIDE AS MANY BOLTS AS POSSIBLE IN BEAM FLANGE. DOUBLE ANGLE WELDED CONNECTIONS MAY BE USED TO DEVELOP THE SAME CAPACITY AS A BOLTED CONNECTION.

ALTERNATE CONNECTIONS FROM WHAT IS SPECIFIED ON THE CONSTRUCTION DOCUMENTS WILL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

11.

12. USE STANDARD AISC DOUBLE ANGLE CONNECTIONS WHERE POSSIBLE. ALL STANDARD DOUBLE ANGLE CONNECTIONS SHALL BE IN ACCORDANCE WITH ASD NINTH EDITION AND SHALL BE TYPE 2 FRAMING CONNECTIONS UNLESS NOTED OTHERWISE.

WHERE WOOD MEMBERS FRAME INTO STEEL MEMBERS, PROVIDE A SADDLE CONNECTION.

13. PROVIDE STIFFENER PLATES ON BOTH SIDES OF BEAM WEBS AT ALL CONCENTRATED LOADS ABOVE AND BELOW A BEAM. UNLESS NOTED OTHERWISE, FRAME THE LARGEST BEAM OVER COLUMNS AT BEAM TO BEAM INTERSECTIONS.

14.

WOOD FRAMING:

1. DESIGN, FABRICATION, AND CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF "NATIONAL DESIGN SPECIFICATION FOR WOOD CONTRUCTION", AMERICAN FOREST AND PAPER ASSOCIATION.
2. DESIGN, FABRICATION, AND CONSTRUCTION OF ALL PLYWOOD FRAMING SHALL CONFORM TO THE CURRENT EDITION OF "PLYWOOD DESIGN SPECIFICATIONS", AMERICAN PLYWOOD ASSOCIATION.
3. PLYWOOD SHEATHING SHALL CONFORM TO THE CURRENT EDITION OF "U.S. PRODUCT STANDARD PS-1" FOR SOFTWOOD PLYWOOD AND BEAR THE APA GRADE-TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION.
4. PLYWOOD SHEATHING SHALL BE ATTACHED TO WOOD FRAMING WITH THE LONG DIMENSION OF THE SHEATHING LAID PERPENDICULAR TO THE SUPPORTS. STAGGER ALL JOINTS.
5. PLYWOOD SHEATHING SHALL BE FASTENED TO SUPPORTS w/ 1 1/2" 16 GA. STAPLES SPACED AT 6" O.C. AT PANEL EDGES AND 12" O.C AT INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE.
6. ANY PLYWOOD SHEATHING THAT IS EXPOSED TO MOISTURE SHALL BE PRESSURE TREATED.
7. PLYWOOD PANEL EDGES SHALL BEAR ON THE FRAMING SUPPORT MEMBERS AND BUTT ALONG THEIR CENTER LINES. NAILS SHALL BE PLACED NOT LESS THAN 3/8" IN FROM THE PANEL EDGE.
8. WOOD SILL PLATES AND OTHER WOOD MEMBERS DIRECTLY EXPOSED TO MOISTURE OR IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
9. MAXIMUM MOISTURE CONTENT IN ANY WOOD MEMBER SHALL NOT EXCEED 19%.
10. 2x WOOD JOISTS SHALL HAVE 1x3 SPF NO.2 CROSS BRIDGING AT 8'-0" o/c MAXIMUM.
11. DO NOT EMBED WOOD MEMBERS IN CONCRETE.
12. ALL BOLTS AND LAG SCREWS SHALL CONFORM TO ASTM A307. USE STEEL WASHERS BETWEEN HEAD OF BOLT OR LAG SCREW AND WOOD. USE STEEL WASHERS BETWEEN NUT AND WOOD.
13. ALL FASTENERS ATTACHING PRESSURE TREATED WOOD MEMBERS TO CONCRETE OR MASONRY SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
14. MAKE NO SUBSTITUTIONS OF ANY ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SPECIFIED ON ANY FRAMING PLANS WITHOUT THE DIRECT WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER AND ARCHITECT.

METAL PLATE CONNECTED WOOD TRUSS NOTES/CRITERIA:

1. WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE CURRENT EDITIONS OF "DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES" BY TRUSS PLATE INSTITUTE (TPI) AND "NATIONAL DESIGN SPECIFICATIONS FOR STRESS-GRADE LUMBER AND ITS FASTENINGS" BY NATIONAL FOREST PRODUCTS ASSOCIATION.
2. ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOADS:

TOP CHORD LIVE LOAD	30.8 PSF + UNBALANCED SNOW LOAD + DRIFT
TOP CHORD DEAD LOAD	10 PSF
BOTTOM CHORD LIVE LOAD	0 PSF
BOTTOM CHORD DEAD LOAD	10 PSF

3. IN ADDITION TO THE LOADS STATED ABOVE THE TRUSSES SHALL BE DESIGNED FOR ANY SNOW DRIFTING, MECHANICAL, AND/OR ANY SPECIAL LOAD CONDITIONS AS SHOWN ON STRUCTURAL PLANS AND AS REQUIRED BY THE WISCONSIN ENROLLED COMMERCIAL BUILDING CODE 2002.
4. FABRICATION, HANDLING, STORAGE, AND ERECTION SHALL BE IN ACCORDANCE WITH "TRUSS PLATE INSTITUTION" RECOMMENDED PRACTICES AND SHALL BE DONE IN A WORKMAN LIKE MANNER SO AS TO NOT DAMAGE THE TRUSSES. TRUSSES SHALL NOT BE CUT, ADDED ONTO OR ALTERED IN ANY WAY WITHOUT THE WRITTEN CONSENT OF THE TRUSS DESIGNER, ENGINEER, AND ARCHITECT.
5. WOOD TRUSS DESIGNER/SUPPLIER SHALL SUBMIT FORMAL STAMPED CALCULATIONS BY A REGISTERED ENGINEER IN THE STATE OF WISCONSIN FOR REVIEW BEFORE FABRICATION.
6. SUBMIT FIVE SETS OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTING TO THE ARCHITECT.
7. SHOP DRAWING SUBMISSIONS SHALL INCLUDE THE FOLLOWING INFORMATION:
   THE NAME, ADDRESS, PHONE NUMBER, AND FAX NUMBER OF THE SUPPLIER.
   SLOPE OR DEPTH, SPAN AND SPACING
   LOCATION OF ALL JOINTS
   ALL DESIGN LOADS
   ADJUSTMENTS TO LUMBER AND METAL CONNECTOR PLATE VALUES FOR CONDITIONS OF USE
   EACH REACTION FORCE AND DIRECTION
   METAL CONNECTOR PLATE TYPE, SIZE, GAUGE, AND THE DIMENSIONAL LOCATION OF EACH CONNECTOR PLATE.
   LUMBER SIZE, SPECIES, AND GRADE FOR EACH TRUSS MEMBER.
   CONNECTION REQUIREMENTS FOR TRUSS TO TRUSS GIRDER, TRUSS PLY TO PLY, AND FIELD SPLICES.
   CALCULATED DEFLECTION RATIO AND/OR MAXIMUM DEFLECTION FOR LIVE AND TOTAL LOAD.
   SPECIFY ALL TRUSS TO TRUSS CONNECTIONS AND HANGERS.
   SPECIFY AND SHOW ALL PERMANENT TRUSS BRACING REQUIRED BY DESIGN.
8. CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION PROCEDURES AND TEMPORARY TRUSS BRACING REQUIREMENTS DURING ERECTION IN ACCORDANCE WITH TPI's COMMENTARY AND RECOMMEDATIONS FOR HANDLING, INSTALLING, AND BRACING METAL PLATE CONNECTED WOOD TRUSSES (HIB-91 BOOKLET) AND THE CURRENT EDITION OF ANSI/TPI-1.
9. TRUSSES EXPOSED TO MOISTURE SHALL BE CONTRUCTED OF PRESSURE TREATED WOOD AND GALVANIZED METAL PLATES.
10. FLOOR TRUSS SPACING SHOWN ON FRAMING PLANS ARE MAXIMUM SPACINGS. TRUSS DESIGNER SHALL REDUCE SPACING AS REQUIRED TO SUPPORT ALL LOADS SPECIFIED ON THESE PLANS AND BY CODE.
11. DESIGN ROOF TRUSSES TO RESIST ALL WIND LOADS INCLUDING UPLIFT AS REQUIRED BY THE WISCONSIN ENROLLED COMMERCIAL BUILDING CODE 2002. MINIMUM NET UPLIFT = 10 PSF, 20 PSF AT CANOPIES & OVERHANGS.
12. ALL TRUSS TO TRUSS CONNECTIONS ARE TO BE DESIGNED, DETAILED, AND SUPPLIED BY THE TRUSS SUPPLIER.
13. TRUSS FABRICATOR SHALL FIELD VERIFY ALL SPAN DIMENSIONS BEFORE FABRICATING.

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MasterCraft Confidence Builders HOMES

PROJECT TITLE:
4 UNIT RESIDENTIAL BUILDING

PROJECT LOCATION:
CHASE STREET LACROSSE, WI 54601

DATE /	SET - TYPE
10/17/22	PERMIT SET

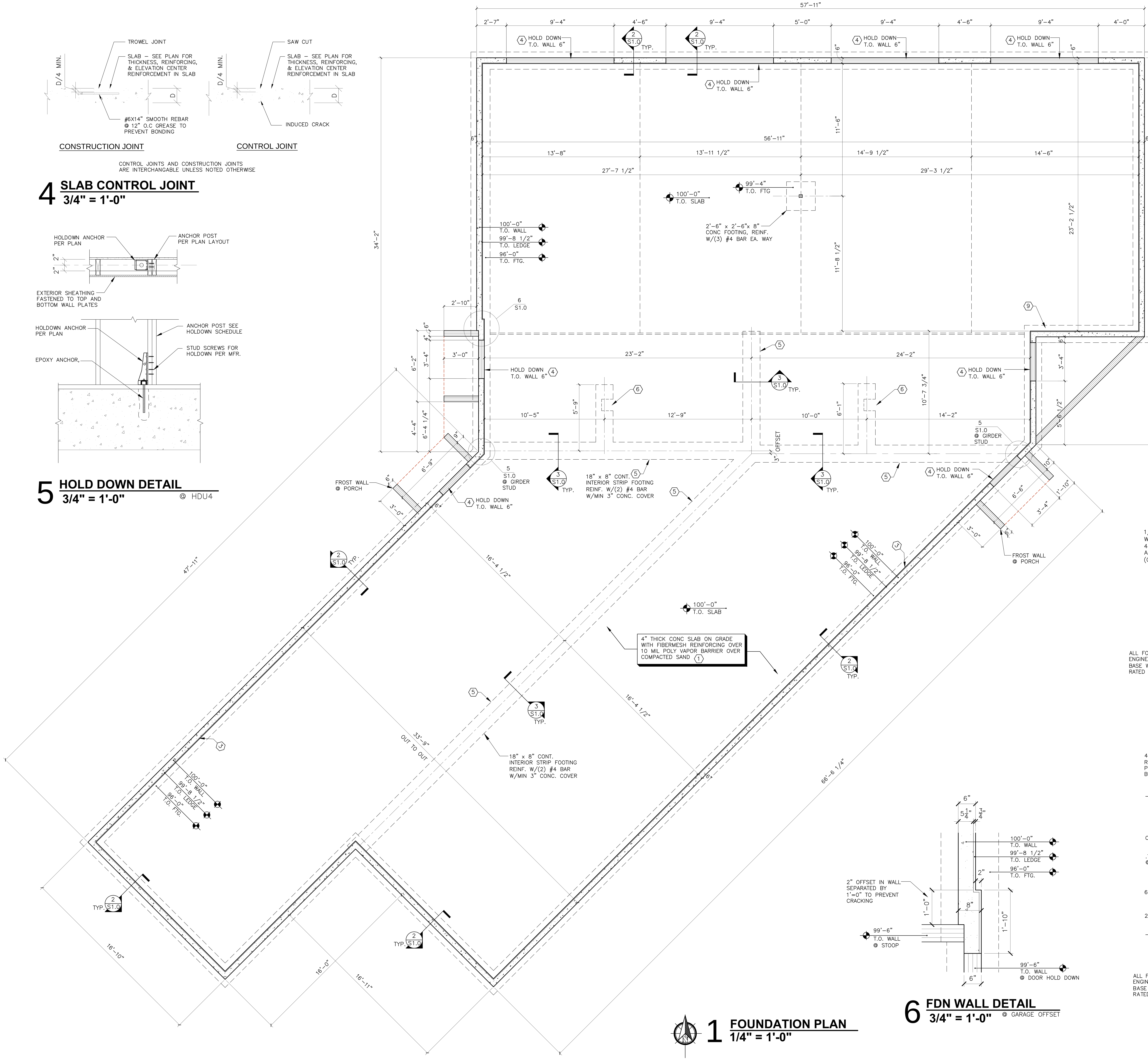
DRAWN BY:

REVISIONS

NO.	DATE

SHEET TITLE
STRUCTURAL SPECIFICATIONS

SHEET NO.
S0.1



4 SLAB CONTROL JOINT
3/4" = 1'-0"

5 HOLD DOWN DETAIL
3/4" = 1'-0" @ HDU4

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

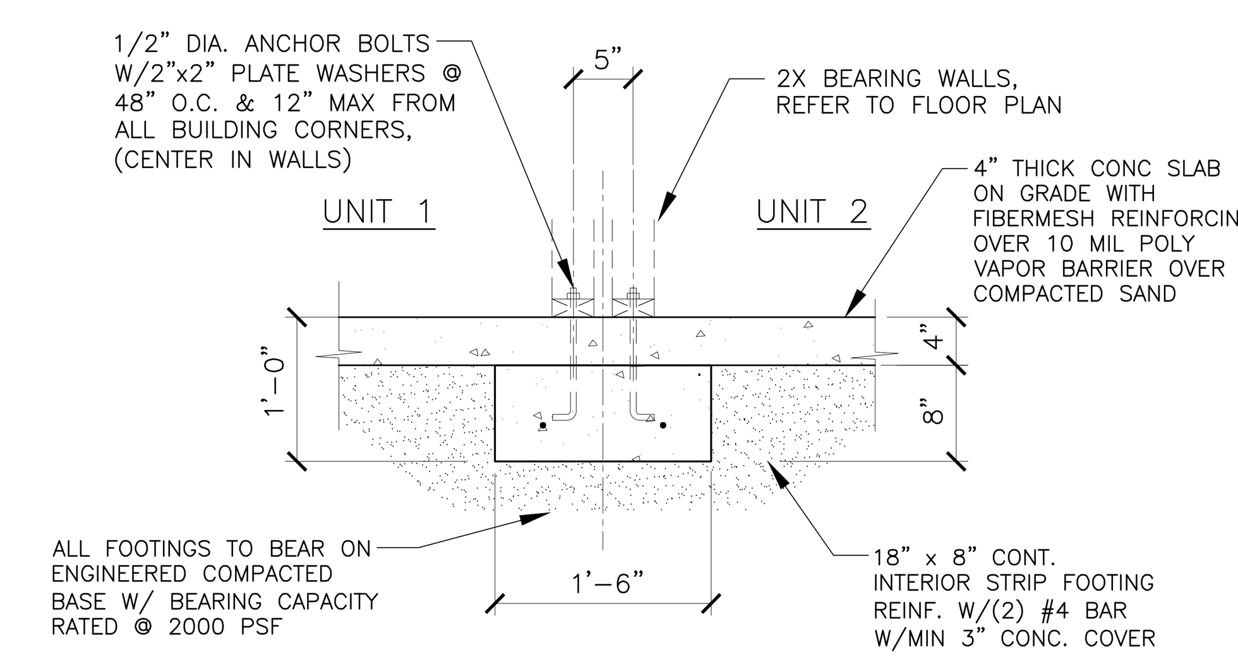
6 FDN WALL DETAIL
3/4" = 1'-0" @ GARAGE OFFSET

GENERAL NOTES

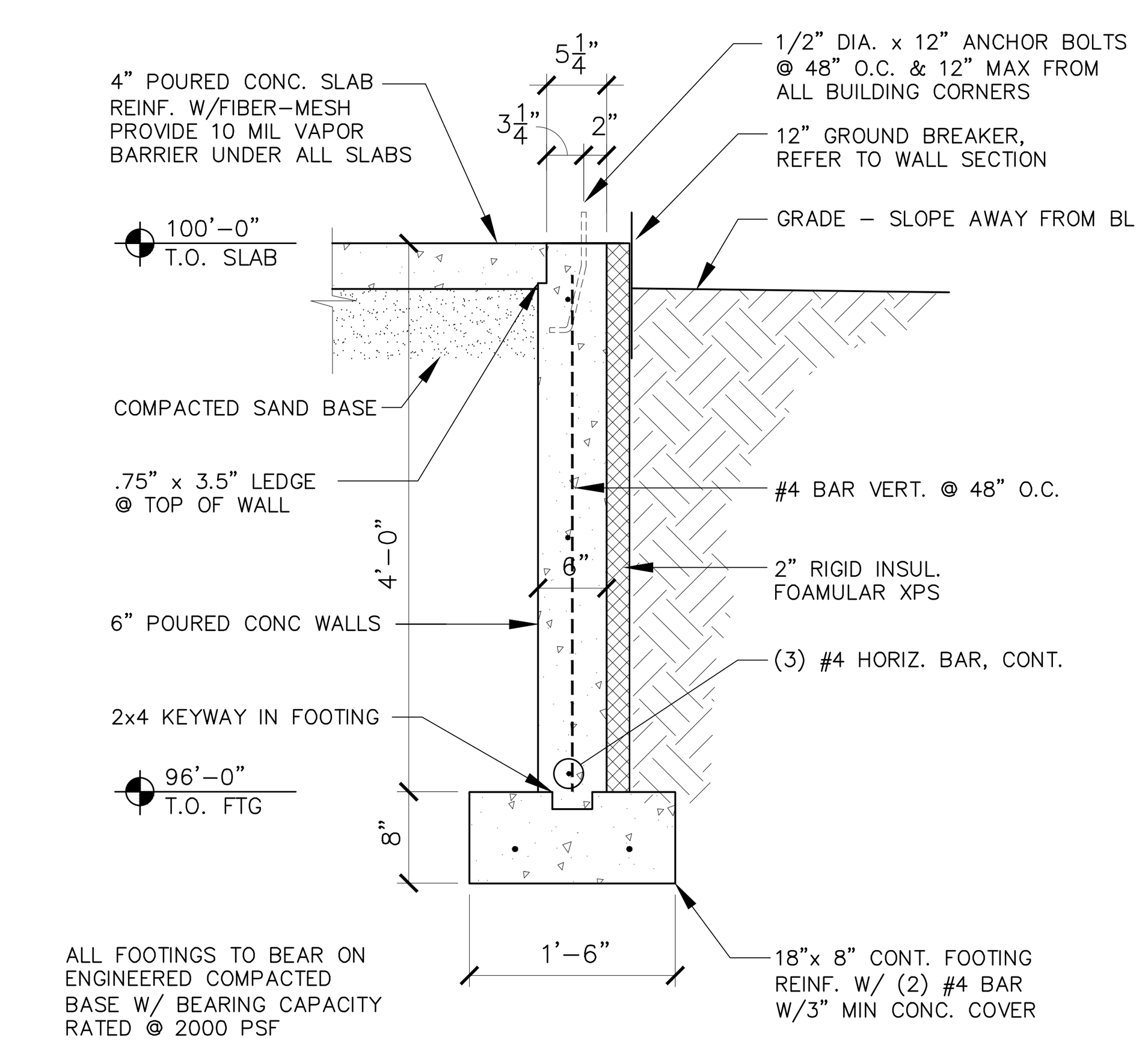
1. OBSERVE ALL STATE AND LOCAL CODES
2. ALL REBAR USED SHALL BE CLEAN AND FREE OF OIL, DIRT OR OTHER CONTAMINANTS THAT WILL PREVENT COMPLETE BONDING TO THE CONCRETE.
3. 1/2" x 12" ANCHOR BOLTS 4''-0" O.C EMBEDDED 10" INTO CONCRETE AND COUNTERSUNK FLUSH WITH TOP OF PLATE. THERE SHALL BE A MINIMUM OF TWO BOLTS PER PIECE OF PLATE, WITH ONE BOLT LOCATED WITHIN 12" FROM EACH CORNER.
4. SLOPE SLABS TO FLOOR DRAINS FOR POSITIVE DRAINAGE.
5. THIS DRAWING IS TO PROVIDE THE PROPER FOUNDATION INFORMATION AND DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE FOUNDATION IS CONSTRUCTED IN ACCORDANCE WITH APPLICABLE CODES AND SOIL CONDITIONS.

KEYED NOTES

1. 4" THICK CONC SLAB ON GRADE WITH FIBERMESH REINFORCING. 10 MIL POLY VAPOR BARRIER UNDER SLAB, LAP AND TAPE ALL JOINTS. SET SLAB OVER COMPACTED SAND BASE. WET CURE SLAB WITH COVER FOR 7 DAYS. SEE DRAWINGS FOR AREAS TO BE SLOPED FOR FLOOR DRAINS.
2. 2x6 THERMAL BREAK SET VERTICAL AT GARAGE PERIMETER. SECURE TO SUBGRADE TO PREVENT MOVEMENT/ SHIFTING DURING SLAB POURS
3. INTERIOR LEDGE SET IN TOP OF FOUNDATION FORM. 1x4 (0.75" x 3.5")
4. HOLD DOWN TOP OF FOUNDATION WALL 6" FOR CONTINUOUS SLAB POUR OVER WALL – TYPICAL AT DOOR LOCATIONS
5. GRADE STRIP FOOTING AT BEARING WALL LOCATION. 18" x 5" W/ (2) #5 BAR. REFER TO DETAIL3/S1.0
6. HOLD OUT AT STRIP FOOTING FOR PLUMBING, VERFIY WITH PLUMBING LAYOUT
7. TYPICAL SLAB CONTROL JOINT MAX SPACING 15'-0", REFER TO 2/S1.0
8. TYPICAL SLAB CONSTRUCTION JOINT (WHERE APPLICABLE) REFER TO 1/S1.0
9. GROUNDING WIRE FOR ELECTRCIAL PANELS MUST BE BONDED TO REBAR IN FOOTINGS. CALL WALCKER ELECTRIC 608-406-0401 BEFORE FOOTINGS ARE POURED. VERIFY LOCATION OF ELECTRCIAL PANELS
10. CONTROL JOINTS REFER TO 7/S1.0,



3 FOOTING SECTION
3/4" = 1'-0" @ STRIP FOOTING



2 FOUNDATION SECTION
3/4" = 1'-0"

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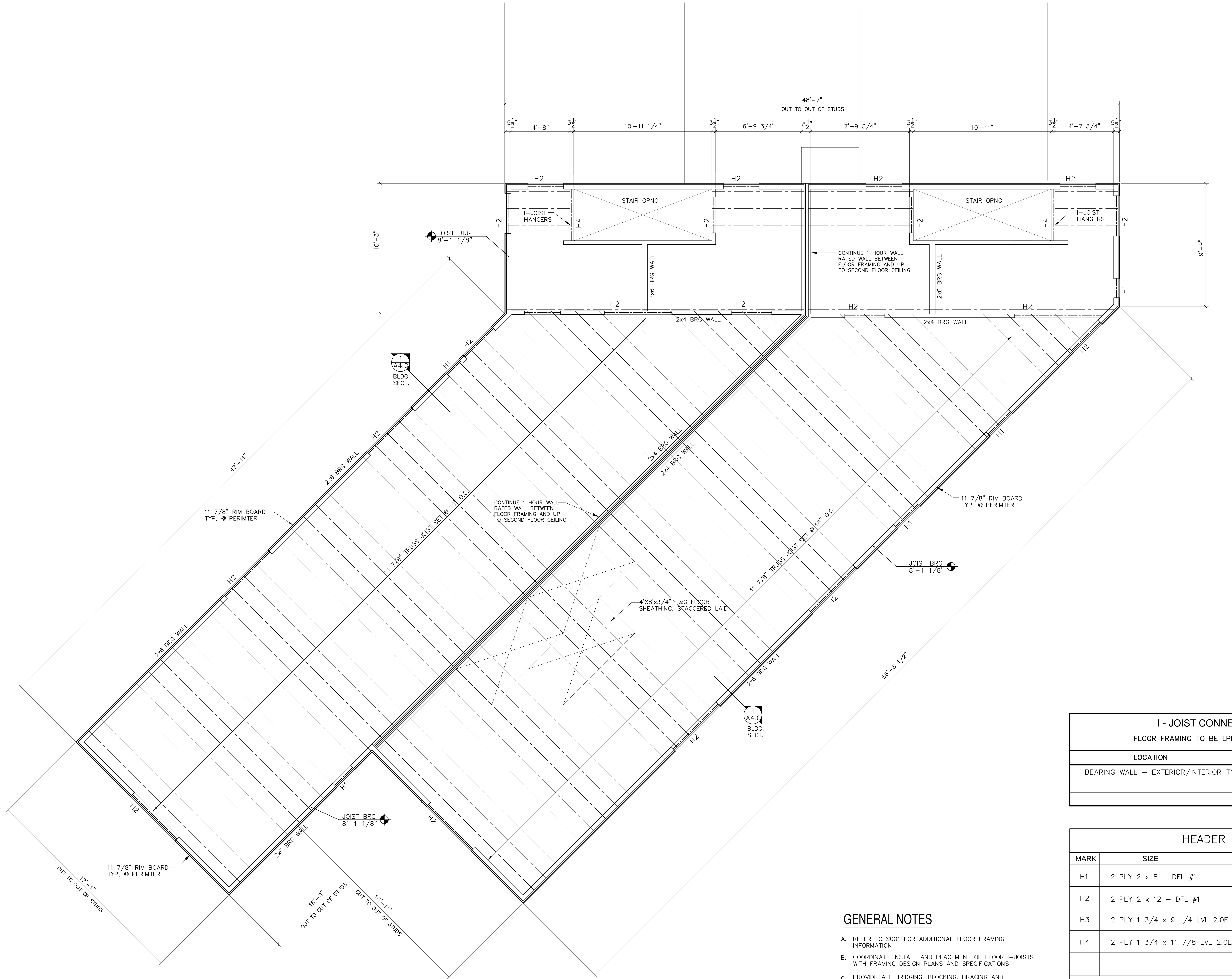
SHEET TITLE
FOUNDATION PLAN

SHEET NO.
S1.0



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

GENERAL NOTES

A. REFER TO S001 FOR ADDITIONAL FLOOR FRAMING INFORMATION

B. COORDINATE INSTALL AND PLACEMENT OF FLOOR I-JOISTS WITH FRAMING DESIGN PLANS AND SPECIFICATIONS

C. PROVIDE ALL BRIDGING, BLOCKING, BRACING AND SUPPORT FRAMING AS REQUIRED BY I-JOIST MFR.

D. PROVIDE POSITIVE JOIST CONNECTION TO WALL AND HEADERS PER SCHEDULE THIS SHEET.

I - JOIST CONNECTION SCHEDULE

FLOOR FRAMING TO BE LPI 36 – 11 7/8" OR EQUAL SET AT 16" O.C.

LOCATION	FASTENER
BEARING WALL – EXTERIOR/INTERIOR TYP.	(2) 8d OR 10d BOX NAIL @ EACH JOIST

HEADER SCHEDULE

MARK	SIZE	JAMB STUDS	FULL HGT. STUDS	NOTES
H1	2 PLY 2 x 8 – DFL #1	(1) 2 X 6	(1) 2 X 6	1, 2
H2	2 PLY 2 x 12 – DFL #1	(1) 2 X 6	(1) 2 X 6	1, 2
H3	2 PLY 1 3/4 x 9 1/4 LVL 2.0E	(2) 2 X 4	(1) 2 X 4	1, 3
H4	2 PLY 1 3/4 x 11 7/8 LVL 2.0E	(2) 2 X 4	N/A	1, 3

NOTES:
1. MINIMUM HEADER SIZE IS INDICATED. ADDITIONAL AND/OR DEEPER MEMBERS MAY BE ADDED TO FILL OUT STUD SPACE OR OTHERWISE SIMPLIFY FRAMING PROCEDURES.
2. NAIL HEADER MEMBERS W/(3) ROWS 10d NAILS @ 12" O.C. EACH FACE.
3. NAIL HEADER MEMBERS W/(3) ROWS 16d NAILS @ 12" O.C. EACH FACE.

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SHEET TITLE
SECOND FLOOR FRAMING PLAN

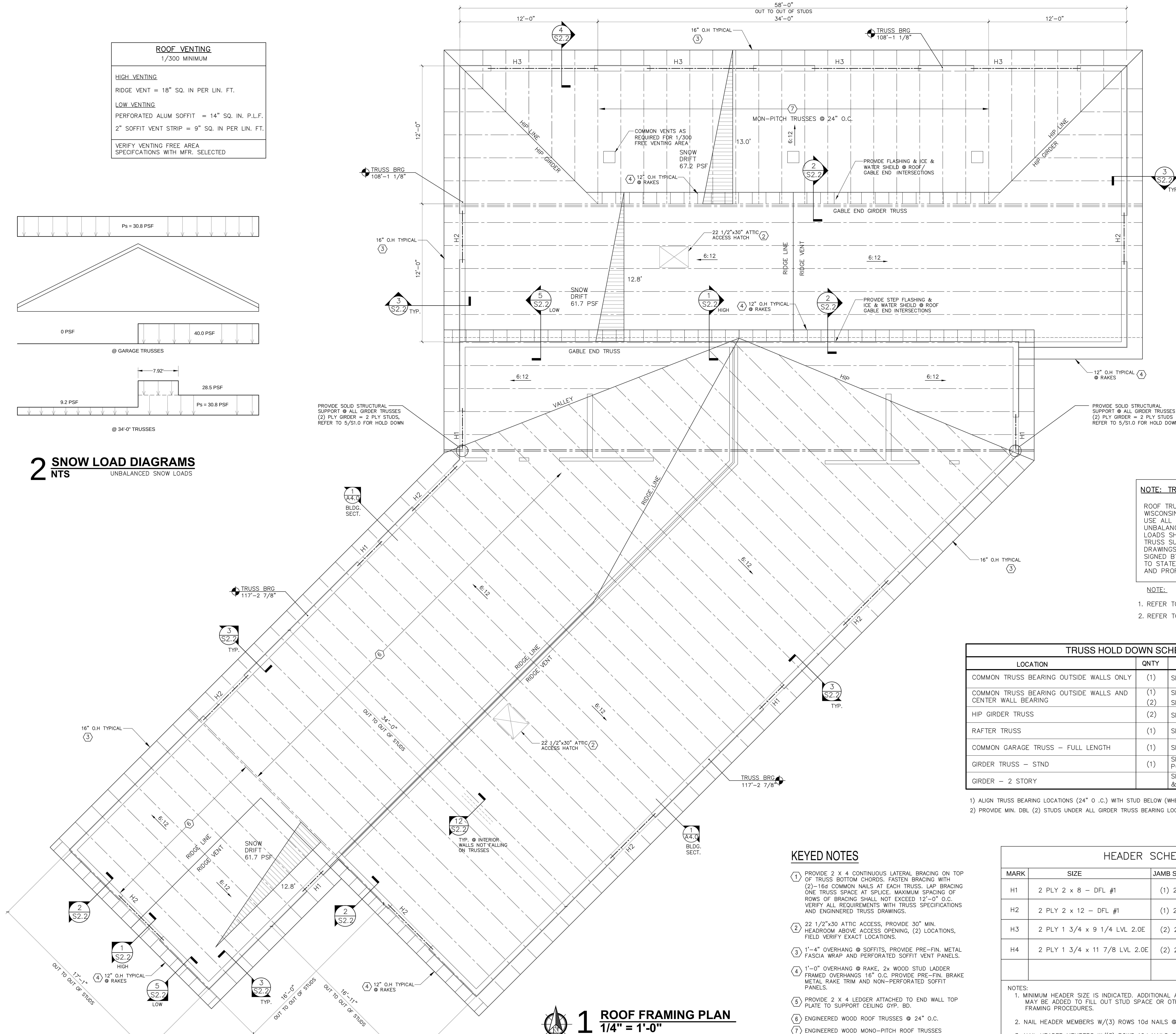
SHEET NO.
S2.0

ROOF VENTING
1/300 MINIMUM

HIGH VENTING
RIDGE VENT = 18" SQ. IN PER LIN. FT.

LOW VENTING
PERFORATED ALUM SOFFIT = 14" SQ. IN. P.L.F.
2" SOFFIT VENT STRIP = 9" SQ. IN PER LIN. FT.

VERIFY VENTING FREE AREA SPECIFCATIONS WITH MFR. SELECTED



2 SNOW LOAD DIAGRAMS
NTS — UNBALANCED SNOW LOADS

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

ROOF PLAN GENERAL NOTES

A. INSTALL NEW ASPHALT ROOF SHINGLES OVER ENTIRE ROOF. ROOFING UNDERLAYMENT WITH ICE & WATER SELF ADHERING MEMBRANE PER PLAN.

B. ROOFING CONTRACTOR TO PROVIDE COMPLETE WEATHERTIGHT ROOFING SYSTEM INSTALL PER MANUFACTURERS SPECIFICATIONS.

C. REFER TO S0.1 FOR ADDITIONAL ROOF PLAN INFORMATION AND DESIGN SPECIFICATIONS.

D. COORDINATE INSTALL AND PLACEMENT OF ROOF TRUSSES WITH ENGINEERED TRUSS DESIGN PLANS AND SPECIFICATIONS

E. PROVIDE ALL BRIDGING, BLOCKING, BRACING AND SUPPORT FRAMING AS REQUIRED BY ENGINEERED TRUSS DESIGN REQUIREMENTS.

F. PROVIDE POSITIVE TRUSS CONNECTION TO WALLS AND HEADERS PER SCHEDULE THIS SHEET.

G. WALL FRAMING TO ALIGN WITH TRUSS FRAMING, EVERY TRUSS DIRECTLY OVER A STUD BELOW.

H. GALVANIZED METAL STEP FLASHING @ ROOF WALL INTERSECTION.

I. PROVIDE VENTING OF ENCLOSED ROOF SPACE AT A RATE OF 1/300 OF ROOF AREA. PROVIDE 60% OF VENTING AREA AT THE HIGH SIDE (RIDGE)AND 40% OF VENTING LOW (SOFFIT)

J. PREFINISHED ALUM GUTTERS WITH DOWNSPOUTS OVER PORCHES AND ENTRY DOORS ONLY

K. PROVIDE ICE AND WATER BARRIER AT ALL EAVES, RAKES, AND VALLEYS. MIN 6" END LAP AND 3" SEAM LAP WHERE REQUIRED. INSTALL DRIP EDGE OVER ICE AND WATER ALONG RAKES. INSTALL PER MFR SPECIFICATIONS.

L. VERIFY ALL ROOF PENETRATIONS WITH RESPECTIVE TRADES AND PROVIDE ALL REQUIRED THRU ROOF EXTENSIONS MIN. OF 12" ABOVE FINISHED ROOF. PROVIDE ALL RELATED PIPE BOOTS AND FLASHINGS AS REQUIRED FOR A WEATHERTIGHT FINISH.

NOTE: TRUSS DESIGN

ROOF TRUSSES TO BE DESIGNED BY LICENSED WISCONSIN ENGINEER. TRUSS DESIGNER SHALL USE ALL CURRENT CODES AND DESIGN CRITERIA. UNBALANCED SNOW LOADS AND SNOW DRIFT LOADS SHALL BE CONSIDERED FOR TRUSS DESIGN. TRUSS SUPPLIER TO PROVIDE CERTIFIED TRUSS DRAWINGS AND CALCULATION, STAMPED AND SIGNED BY ENGINEER OF RECORD FOR SUBMISSION TO STATE OF WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES.

NOTE:
1. REFER TO S0.1 FOR DESIGN LOADS.
2. REFER TO UN-BALANCED SNOW LOAD DIAGRAM

TRUSS HOLD DOWN SCHEDULE

LOCATION	QNTY	FASTENER
COMMON TRUSS BEARING OUTSIDE WALLS ONLY	(1)	SIMPSON H2.5A EA. END OF TRUSS
COMMON TRUSS BEARING OUTSIDE WALLS AND CENTER WALL BEARING	(1) (2)	SIMPSON H2.5A @ EXTERIOR WALLS SIMPSON H2.5A @ INTERIOR WALLS
HIP GIRDER TRUSS	(2)	SIMPSON MTS-12 @ EXTERIOR WALLS
RAFTER TRUSS	(1)	SIMPSON H2.5A @ EXTERIOR WALLS
COMMON GARAGE TRUSS - FULL LENGTH	(1)	SIMPSON H10A @ EACH END
GIRDER TRUSS - STND	(1)	SIMPSON GT W/HUD4 @ BASE OF POST TO CONCRETE
GIRDER - 2 STORY		SIMPSON H10A @ EA. END & (2) H2.5 @ CENTER BEARING WALL

1) ALIGN TRUSS BEARING LOCATIONS (24" O .C.) WITH STUD BELOW (WHERE APPLICABLE)
2) PROVIDE MIN. DBL (2) STUDS UNDER ALL GIRDER TRUSS BEARING LOCATIONS

KEYED NOTES

1. PROVIDE 2 X 4 CONTINUOUS LATERAL BRACING ON TOP OF TRUSS BOTTOM CHORDS. FASTEN BRACING WITH (2)-16d COMMON NAILS AT EACH TRUSS. LAP BRACING ONE TRUSS SPACE AT SPLICE. MAXIMUM SPACING OF ROWS OF BRACING SHALL NOT EXCEED 12'-0" O.C. VERIFY ALL REQUIREMENTS WITH TRUSS SPECIFICATIONS AND ENGINNERED TRUSS DRAWINGS.
2. 22 1/2"x30 ATTIC ACCESS, PROVIDE 30" MIN. HEADROOM ABOVE ACCESS OPENING, (2) LOCATIONS, FIELD VERIFY EXACT LOCATIONS.
3. 1'-4" OVERHANG @ SOFFITS, PROVIDE PRE-FIN. METAL FASCIA WRAP AND PERFORATED SOFFIT VENT PANELS.
4. 1'-0" OVERHANG @ RAKE, 2x WOOD STUD LADDER FRAMED OVERHANGS 16" O.C. PROVIDE PRE-FIN. BRAKE METAL RAKE TRIM AND NON-PERFORATED SOFFIT PANELS.
5. PROVIDE 2 X 4 LEDGER ATTACHED TO END WALL TOP PLATE TO SUPPORT CEILING GYP. BD.
6. ENGINEERED WOOD ROOF TRUSSES @ 24" O.C.
7. ENGINEERED WOOD MONO-PITCH ROOF TRUSSES @ 24" O.C. TYPICAL

HEADER SCHEDULE

MARK	SIZE	JAMB STUDS	FULL HGT. STUDS	NOTES
H1	2 PLY 2 x 8 - DFL #1	(1) 2 X 6	(1) 2 X 6	1, 2
H2	2 PLY 2 x 12 - DFL #1	(1) 2 X 6	(1) 2 X 6	1, 2
H3	2 PLY 1 3/4 x 9 1/4 LVL 2.0E	(2) 2 X 4	(1) 2 X 4	1, 3
H4	2 PLY 1 3/4 x 11 7/8 LVL 2.0E	(2) 2 X 4	N/A	1, 3

NOTES:
1. MINIMUM HEADER SIZE IS INDICATED. ADDITIONAL AND/OR DEEPER MEMBERS MAY BE ADDED TO FILL OUT STUD SPACE OR OTHERWISE SIMPLIFY FRAMING PROCEDURES.
2. NAIL HEADER MEMBERS W/(3) ROWS 10d NAILS @ 12" O.C. EACH FACE.
3. NAIL HEADER MEMBERS W/(3) ROWS 16d NAILS @ 12" O.C. EACH FACE.

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MasterCraft HOMES
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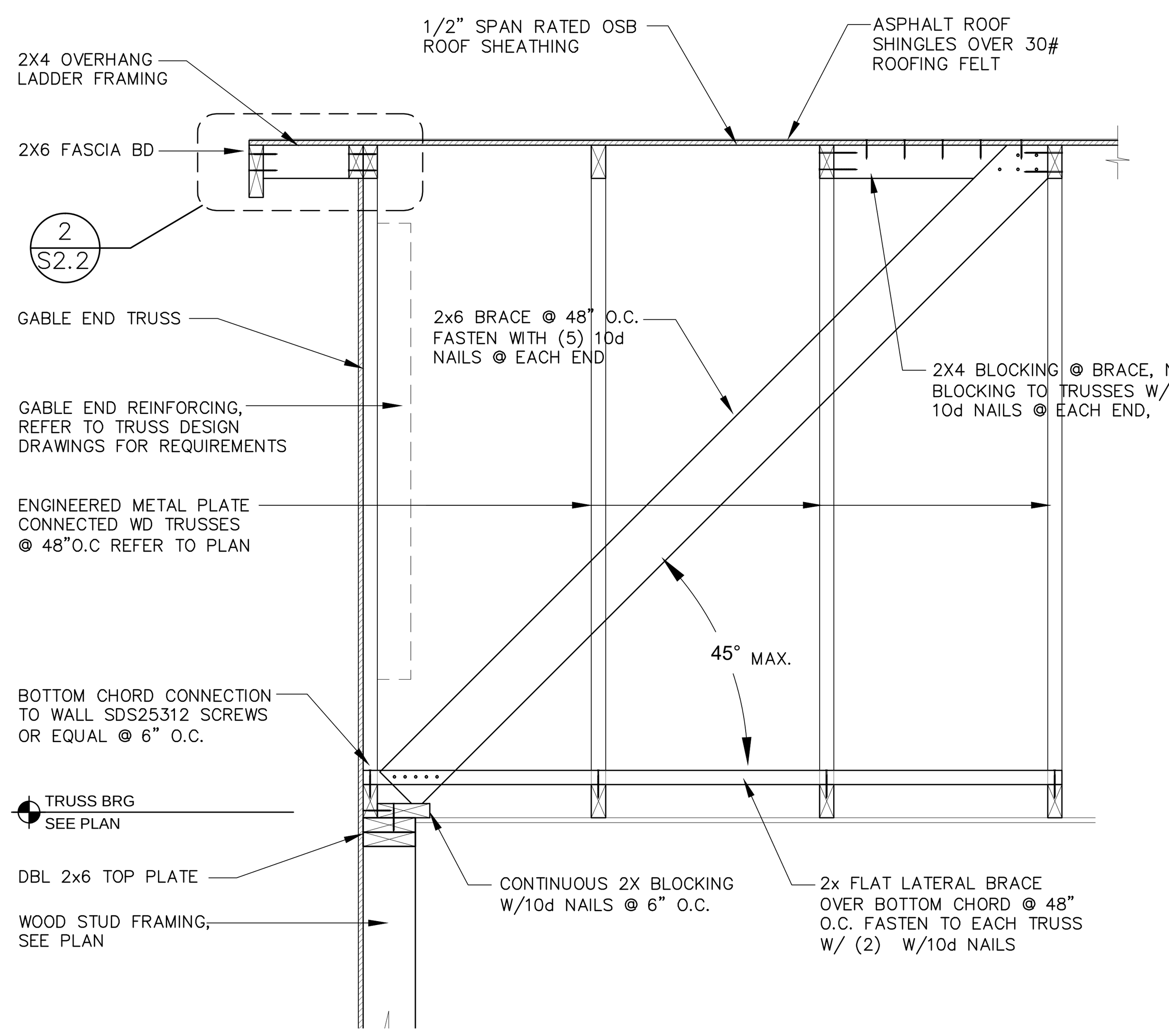
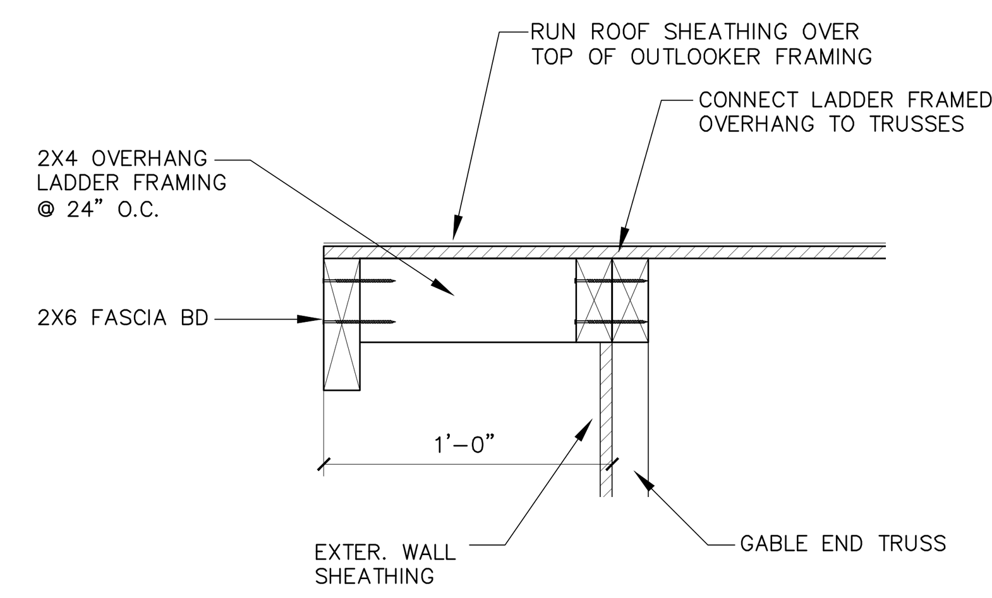
SHEET TITLE
ROOF FRAMING PLAN

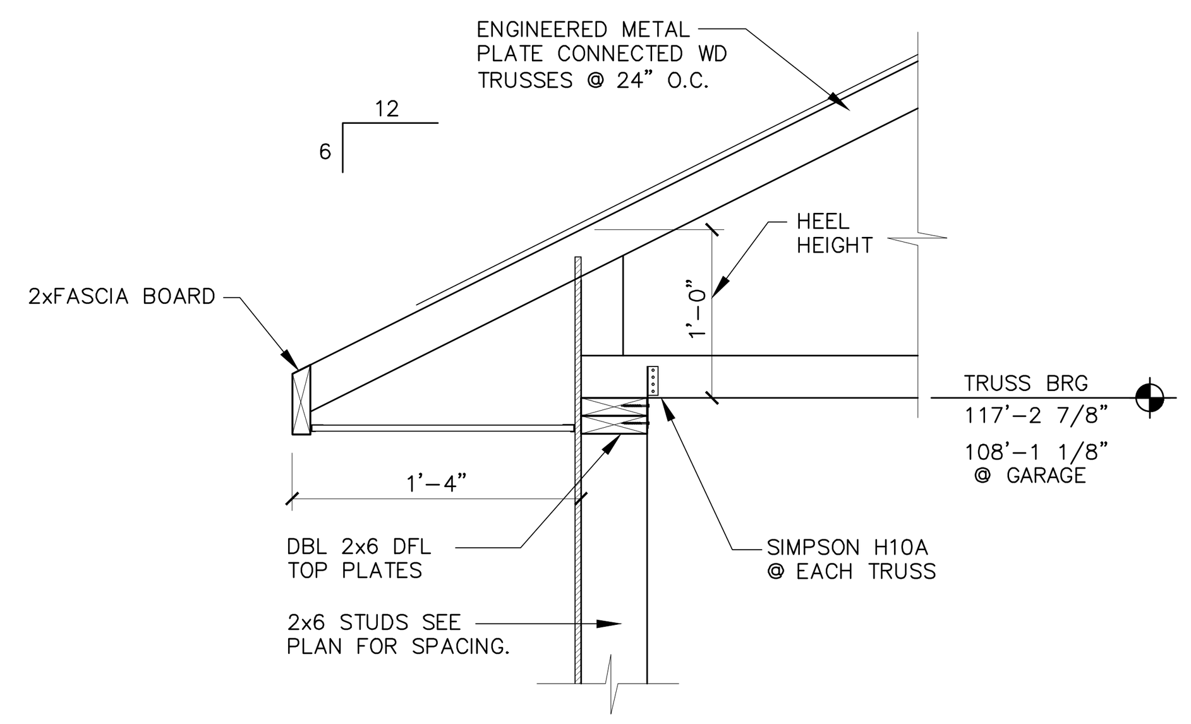
SHEET NO.
S2.1



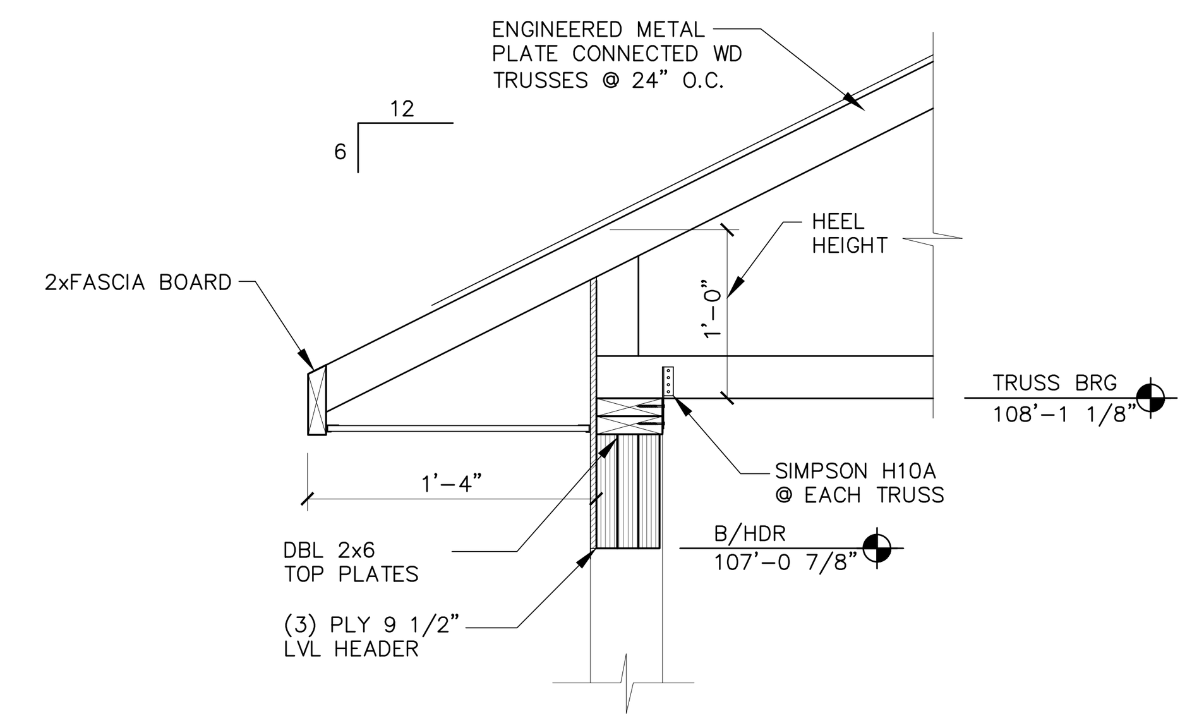
1 **GABLE END WALL**
3/4" = 1'-0" @ WAREHOUSE



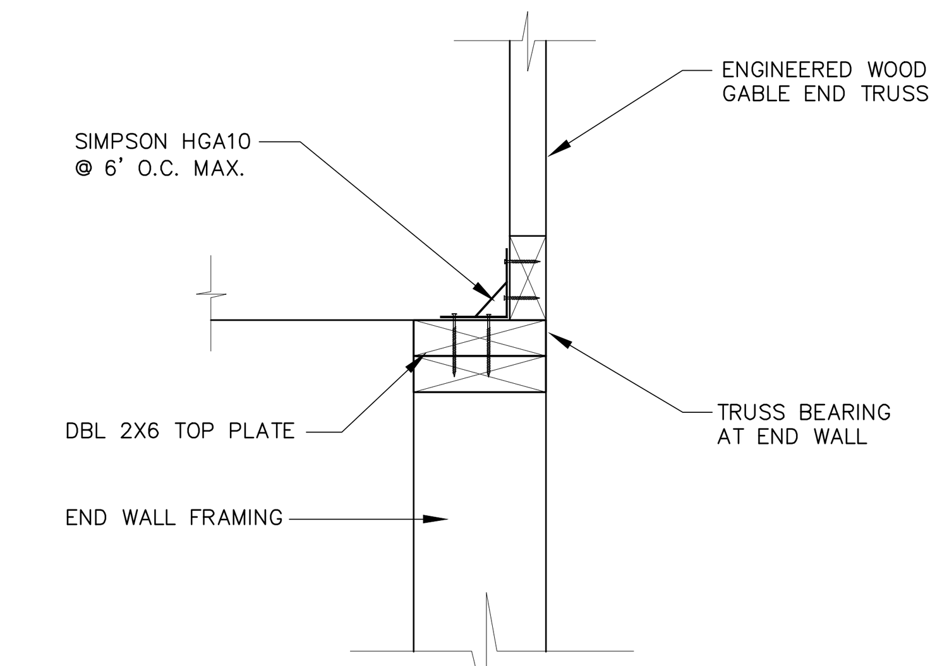
2 **GABLE END RAKE O.H.**
1 1/2" = 1'-0" @ OFFICE



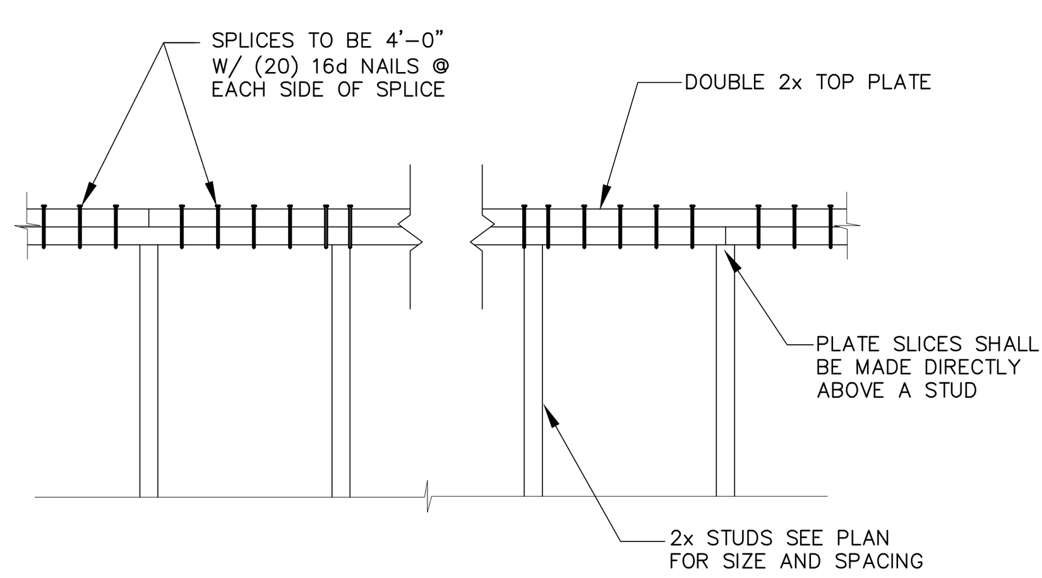
3 **TRUSS CONNECTION**
3/4" = 1'-0"



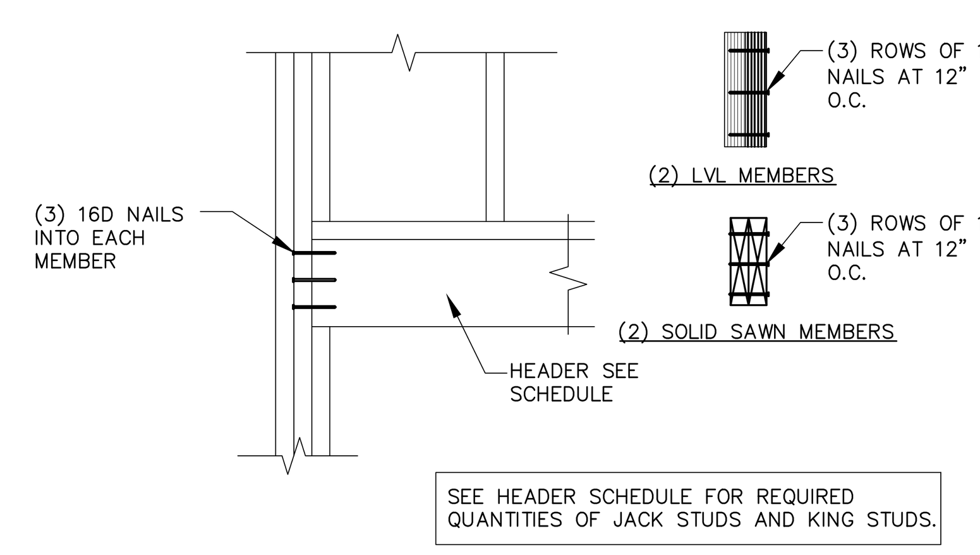
4 **TRUSS CONNECTION**
3/4" = 1'-0" TYP. HEADER @ GARAGE



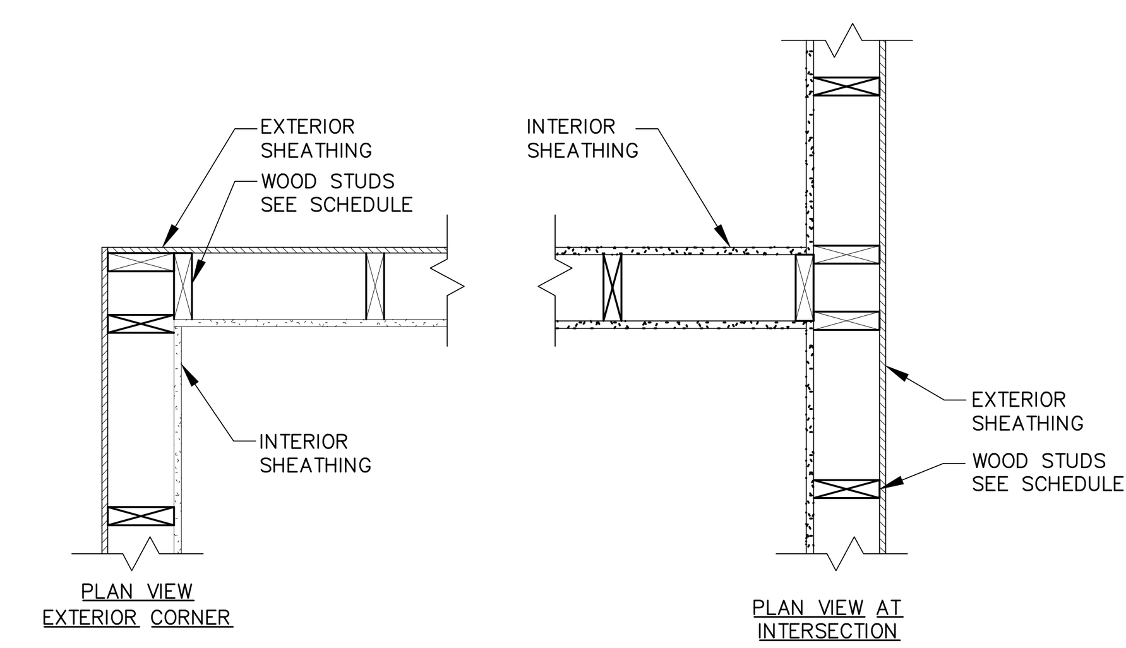
5 **TRUSS CONNECTION**
1 1/2" = 1'-0" GABLE END TRUSS ON END WALL



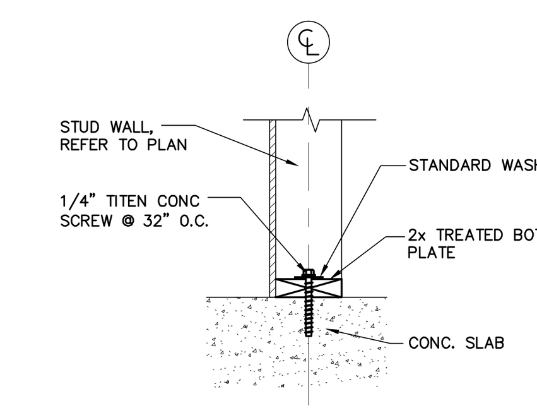
6 **TOP PLATE FRAMING DETAIL**
NTS



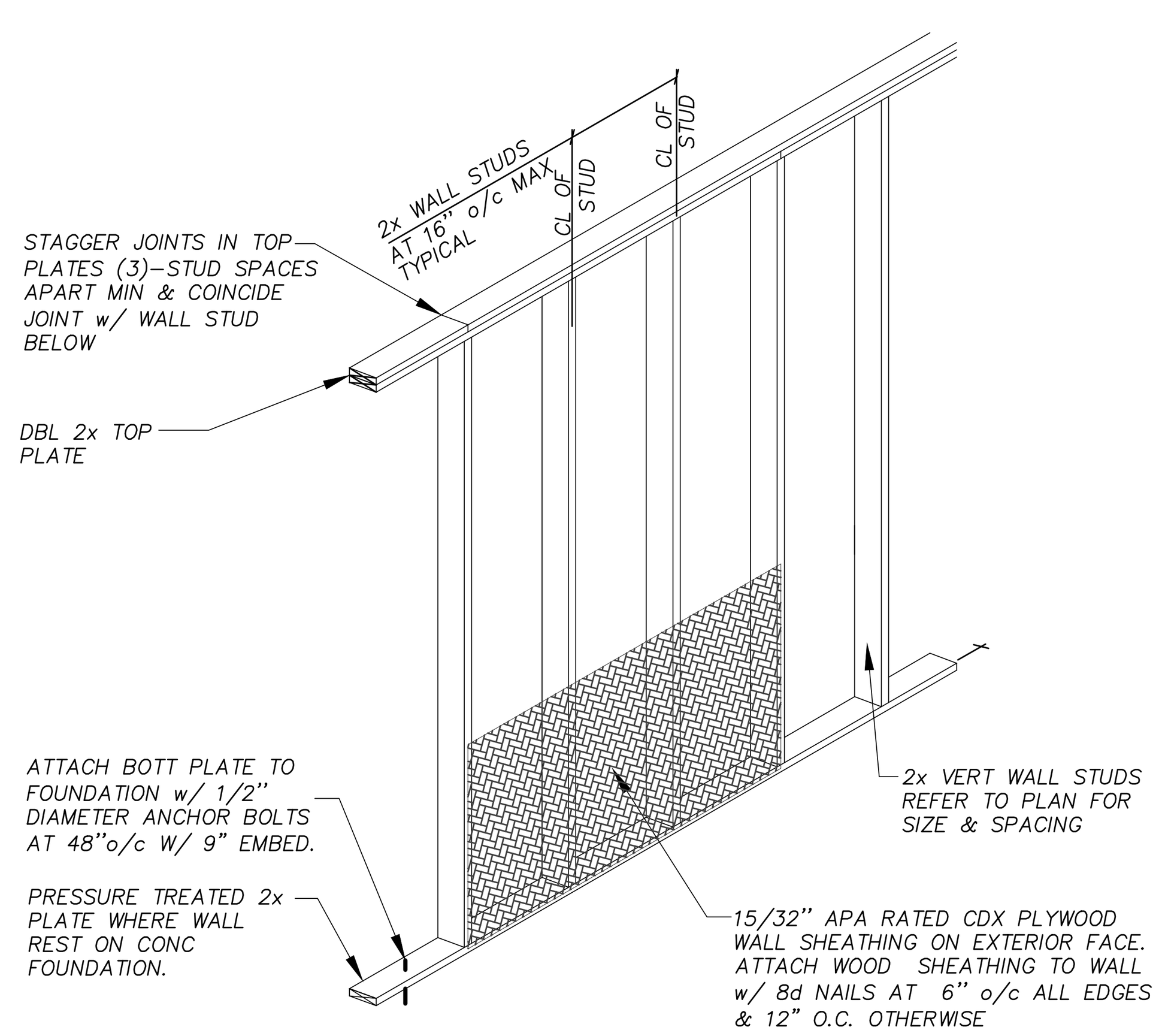
7 **HEADER FRAMING DETAIL**
NTS



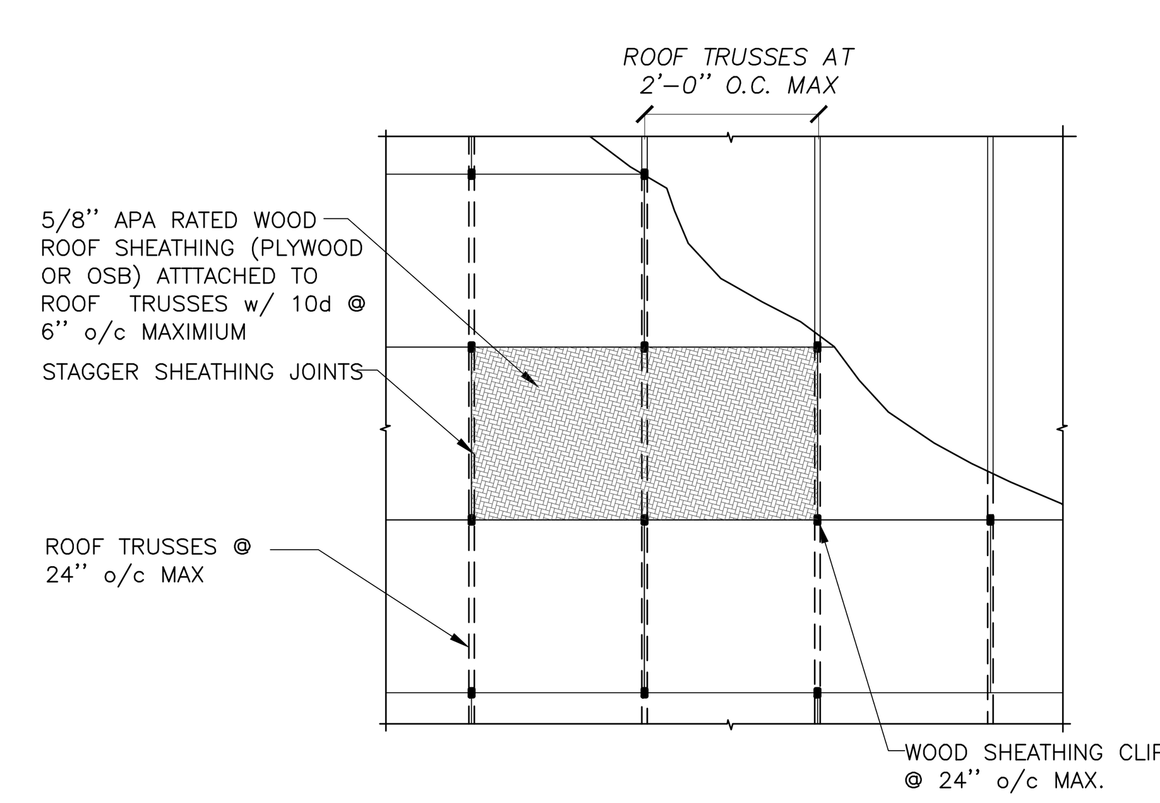
8 **CORNER FRAMING DETAILS**
NTS



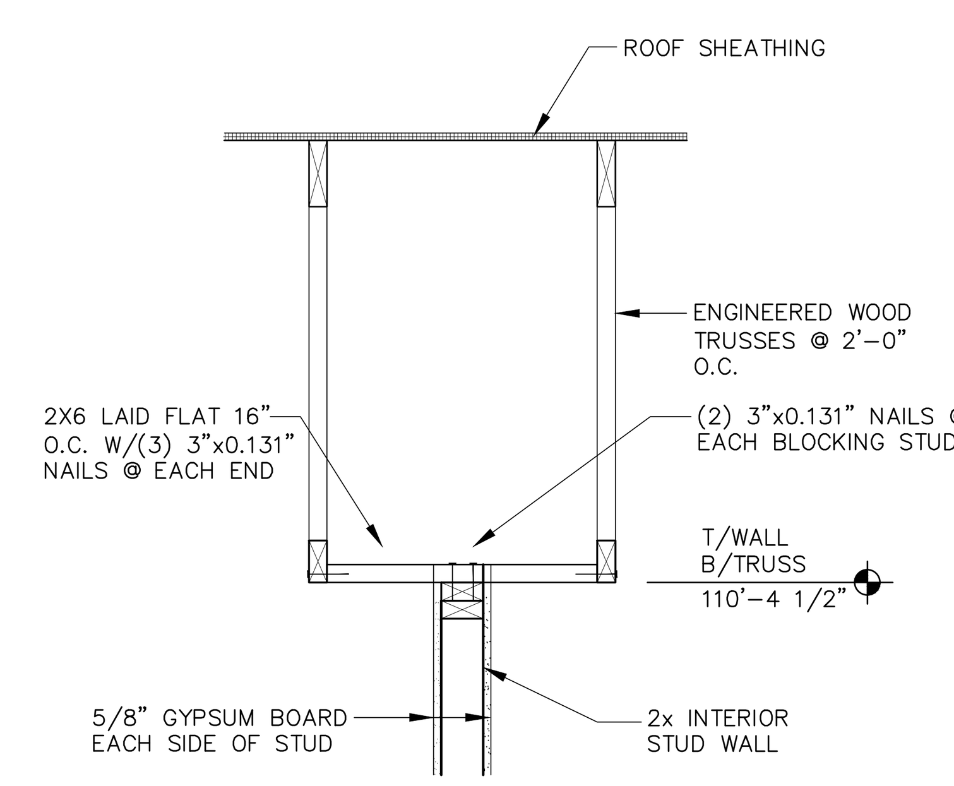
9 **BOTTOM PL. TO SLAB DETAIL**
NTS @ INTERIOR NON-BEARING WALLS



10 **EXTERIOR STUD BEARING WALL**
NTS



11 **TYPICAL ROOF SHEATHING ATTACHMENT**
NTS U.N.O.



12 **TOP OF WALL CONNECTION**
3/4" = 1'-0" @ INTERIOR NON-BEARING WALLS PARALLEL TO TRUSSES

Eskay Architecture
- Commercial
- Industrial
- Residential
Onalaska, WI 54650 Ph: 608-317-1565
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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 Registered Architect under the laws of he State of WISCONSIN Number: A-10047 Date: 07/31/2024

MasterCraft Confidence Builders HOMES

PROJECT TITLE:
4 UNIT RESIDENTIAL BUILDING

PROJECT LOCATION:
CHASE STREET LACROSSE, WI 54601

DATE / SET - TYPE
10/17/22 PERMIT SET

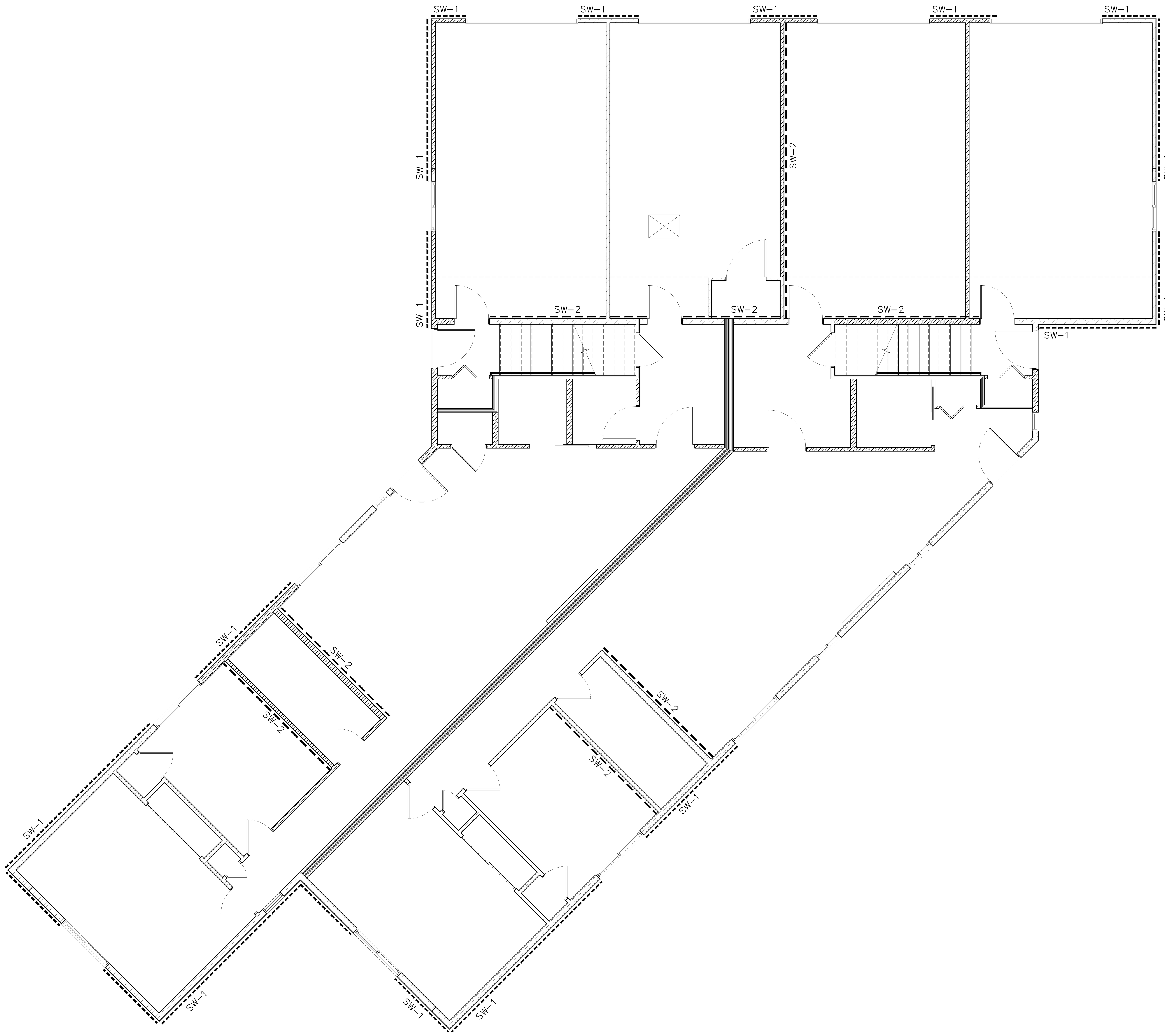
DRAWN BY:

REVISIONS

NO.	DATE

SHEET TITLE
FRAMING DETAILS

SHEET NO.
S2.2



1 SHEAR WALL PLAN
3/16" = 1'-0"

SHEAR WALL SCHEDULE				
TAG	WALL TYPE	SHEAR WALLS	MATERIAL	FASTENERS
SW-1 ------	2X STUD WALL	OSB SHEAR WALLS PER NDS TABLE 4.2A	15/32" OSB SHEATHING	10d x 2" NAILS @ 6" O.C. @ PERIMETER & INTERMEDIATE, BLOCK ALL EDGES
SW-2 — — —	2X STUD WALL	GYPSUM BOARD PER NDS TABLE 4.3C	1/2" GYPSUM BOARD (MIN.)	#6 x 1 1/4" TYPE S OR W DRYALL SCREWS @ 4" O.C. @ PERIMETER & 12" O.C. INTERMEDIATE. BLOCK ALL EDGES

INTERIOR SHEAR WALL HOLD DOWN 5/8" X5" TITEN CONC. SCREWS (1)
@ EACH END OF SHEAR WALL AND 48" MAX. BEWTEEN, REFER TO 3/A4.3

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SHEET TITLE
SHEAR WALL PLAN

SHEET NO.
S2.3