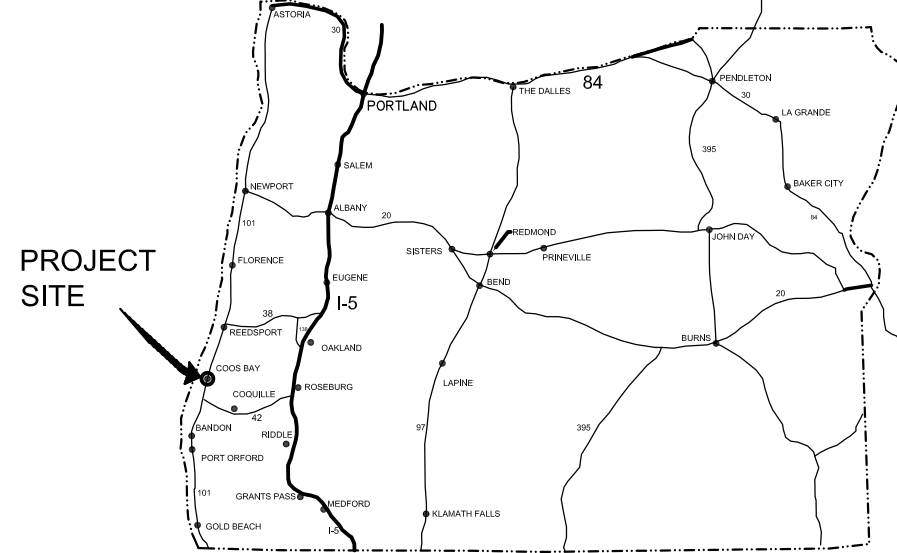
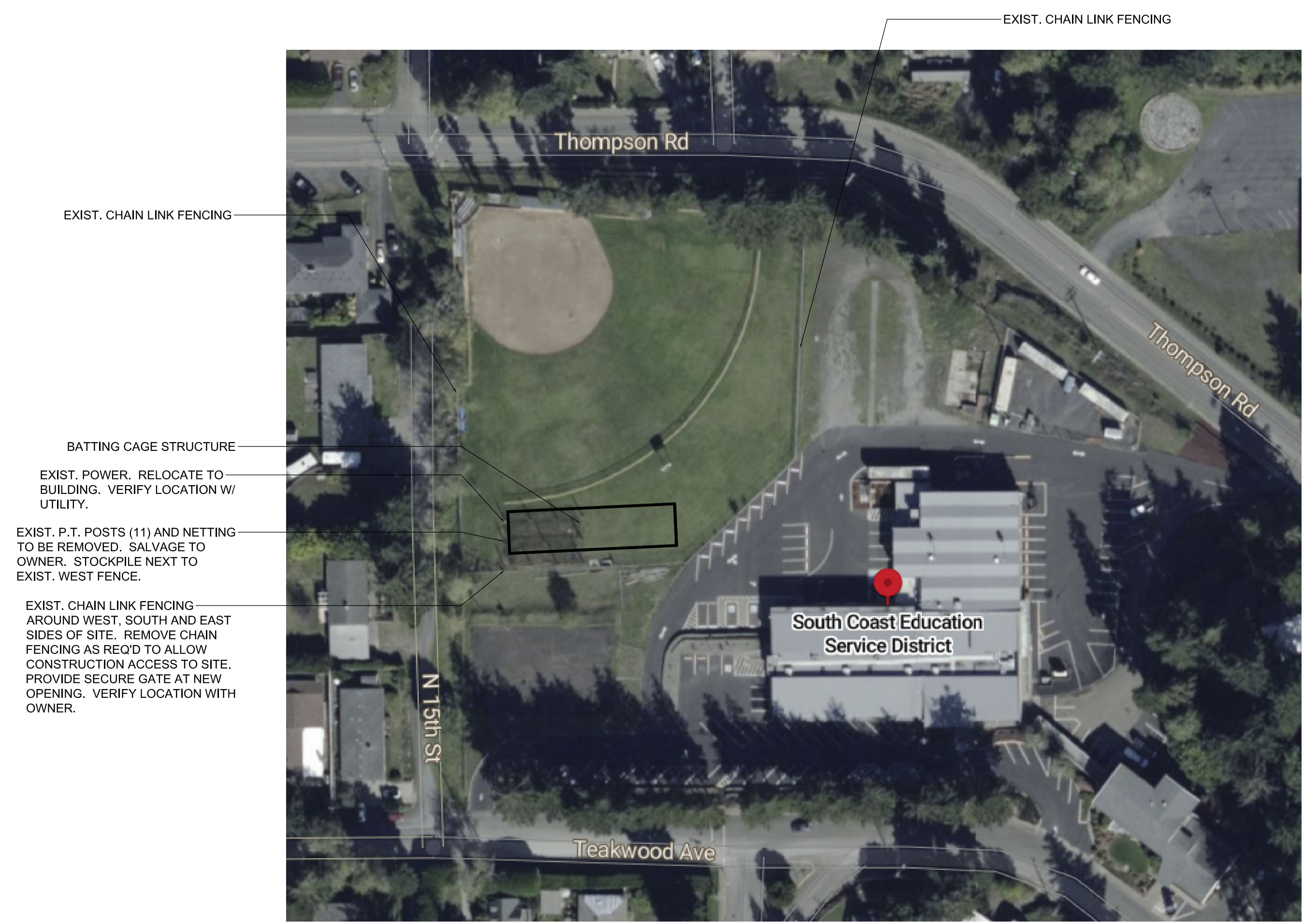


COOS BAY SCHOOL DISTRICT MARSHFIELD HIGH SCHOOL SOFTBALL BATTLING CAGE STRUCTURE

ABBREVIATIONS	ALTERNATE BIDS	TEAM	LOCATION	SHEET INDEX
<p>(E) EXISTING EA. EACH O.C. ON CENTER GLB GLUE LAMINATED BEAM SAMF SELF ADHERING MEMBRANE FLASHING TYP. TYPICAL WRB WEATHER RESISTANT BARRIER</p>	<p>NONE</p>	<p>OWNER COOS BAY SCHOOL DISTRICT #9 1225 HEMLOCK AVE. COOS BAY, OR 97420</p> <p>ARCHITECT HGE ARCHITECTS Inc. 333 S. 4TH STREET, COOS BAY, OREGON 97420 PHONE: 541.269.1166 FAX: 541.269.1833 CONTACT - ANDREW J. LOCATI, AIA</p> <p>STRUCTURAL ENGINEER DCI ENGINEERS 818 STEWART STREET, STE 1000 SEATTLE, WA 98101 PHONE: 206.332.1900 CONTACT: KYLE KRAXBERGER</p>	 <p>PROJECT SITE: SOUTH COAST EDUCATION SERVICE DISTRICT FIELD 1350 TEAKWOOD AVE, COOS BAY, OR 97420</p>	<p>ARCHITECTURAL A1.0 COVER SHEET, SHEET INDEX, OVERALL SITE PLAN / ROOF PLAN A2.1 FLOOR PLANS, FINISH SCHEDULE A3.1 BUILDING SECTIONS A4.1 EXTERIOR ELEVATIONS</p> <p>STRUCTURAL S2.1 FOUNDATION AND FIRST FLOOR STUD AND SHEAR WALL PLAN S2.2 MEZZANINE FRAMING AND STUD AND SHEAR WALL PLAN S2.3 ROOF FRAMING PLAN S4.1 CONCRETE DETAILS S4.2 CONCRETE DETAILS S5.1 WOOD FRAMING DETAILS S5.2 WOOD FRAMING DETAILS S6.1 STEEL DETAILS</p> <p>ELECTRICAL E1 ELECTRICAL PLAN, POWER AND LIGHTING, PANEL</p>



1 SITE PLAN
A1.0 SCALE: NONE



PROJECT NO.: 22.48
MHS SOFTBALL BATTLING CAGE STRUCTURE
SOUTH COAST EDUCATION SERVICE DISTRICT FIELD
1350 TEAKWOOD AVE.
COOS BAY, OR 97420

CONSTRUCTION

REVISIONS:	#	DATE	DESCRIPTION

DATE: MAY 2023
SHEET TITLE:
SITE PLAN

A1.0

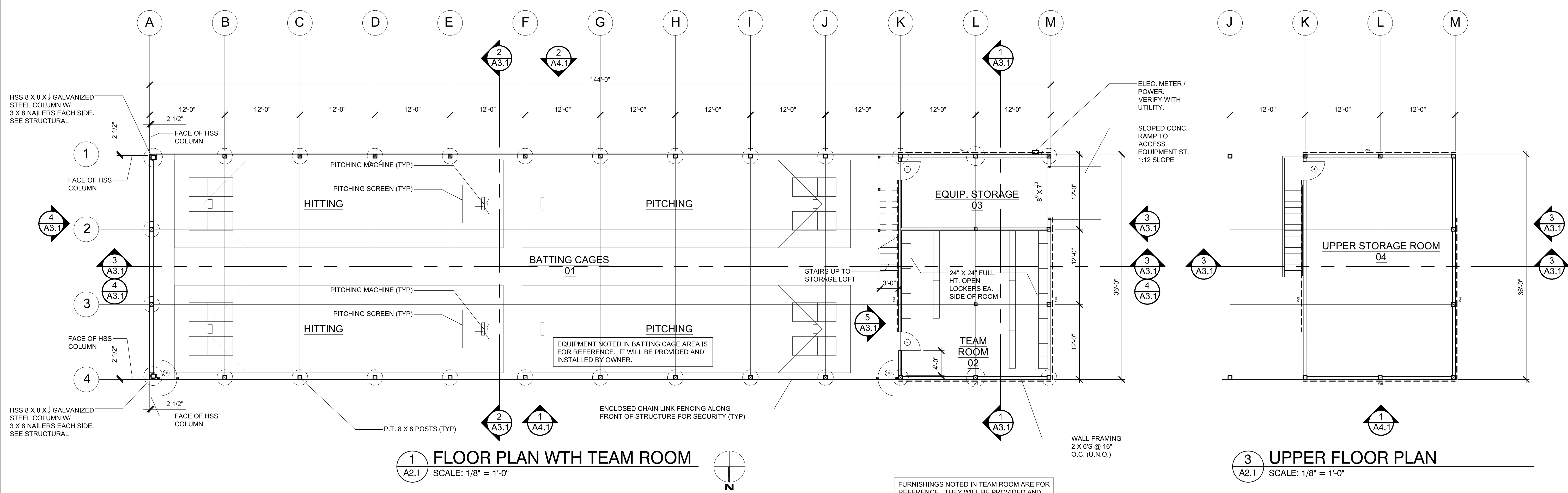


ROOM FINISH SCHEDULE											
LOCATION	ROOM NAME	NO.	FLOOR		WALLS				CEILING		NOTES / REMARKS
			MAT.	BASE	NORTH	SOUTH	EAST	WEST	MAT.	HT.	
BATTING CAGES		01	GRVL	----	----	LEP/PLYWD	LEP/PLYWD	LEP/PLYWD	LEP/PLYWD	16'	PAINT WALLS AND COLUMNS OF OPEN AIR SPACE
TEAM ROOM		02	CPT TILE	RBR	LEP/GYP	LEP/GYP	LEP/GYP	LEP/GYP	LEP/GYP	8'	
EQUIPMENT STORAGE		03	CONC	----	----	----	----	----	----	8'	PAINT DOOR AND DOOR FRAME IN ROOM
UPPER STORAGE ROOM		04	PLYWD	----	----	----	----	----	----	7'-2"	PAINT DOOR AND DOOR FRAME IN ROOM

LEGEND

- AC - ADHESIVE APPLIED ACOUSTICAL CEILING
- TILE - TILE
- CPT - CARPET
- CPT TILE - CARPET TILE
- (E) - EXISTING
- EXP AGG CONC - EXPOSED AGGREGATE CONCRETE
- FRP - FIBERGLASS REINFORCED PLASTIC PANEL
- GRVL - GRAVEL (3" MINUS, COMPACTED, 4" THICK)
- GYP - GYPSUM BOARD
- LEP - LATEX ENAMEL PAINT
- LEP/P. LAM - LATEX ENAMEL PAINT ABOVE PLASTIC LAMINATE WAINSCOT
- LN - LINOLEUM
- LVT - LUXURY VINYL TILE
- EM - MODULAR ENTRANCE MATTING
- P. LAM - PLASTIC LAMINATE
- PLYWD - PLYWOOD
- RBR - RUBBER BASE
- RF - RESILIENT FLOORING
- SS - SOLID SURFACING
- SAT - SUSPENDED ACOUSTICAL TILE
- SGB - SUSPENDED GYPSUM BOARD
- WD - WOOD
- WDPL - WOOD PANELING OVER GYPSUM BOARD
- WD / RBR - WOOD AND 2 INCH RUBBER BASE - SEE DETAIL

NOTE:
VERIFY PAINT ACCENT COLOR LOCATIONS WITH OWNER.



1 FLOOR PLAN WITH TEAM ROOM
A2.1 SCALE: 1/8" = 1'-0"

3 UPPER FLOOR PLAN
A2.1 SCALE: 1/8" = 1'-0"

FURNISHINGS NOTED IN TEAM ROOM ARE FOR REFERENCE. THEY WILL BE PROVIDED AND INSTALLED BY OWNER.

PROJECT NO.: 22-48
MHS SOFTBALL BATTING CAGE STRUCTURE
 SOUTH COAST EDUCATION SERVICE DISTRICT FIELD
 1350 TEAKWOOD AVE.
 COOS BAY, OR 97420

CONSTRUCTION

REVISIONS:	#	DATE	DESCRIPTION

DATE: MAY 2023

SHEET TITLE:
FLOOR PLANS FINISH SCH

A2.1



PROJECT NO.: 22.48
MHS SOFTBALL BATTING CAGE STRUCTURE
SOUTH COAST EDUCATION SERVICE DISTRICT FIELD
1350 TEAKWOOD AVE.
COOS BAY, OR 97420

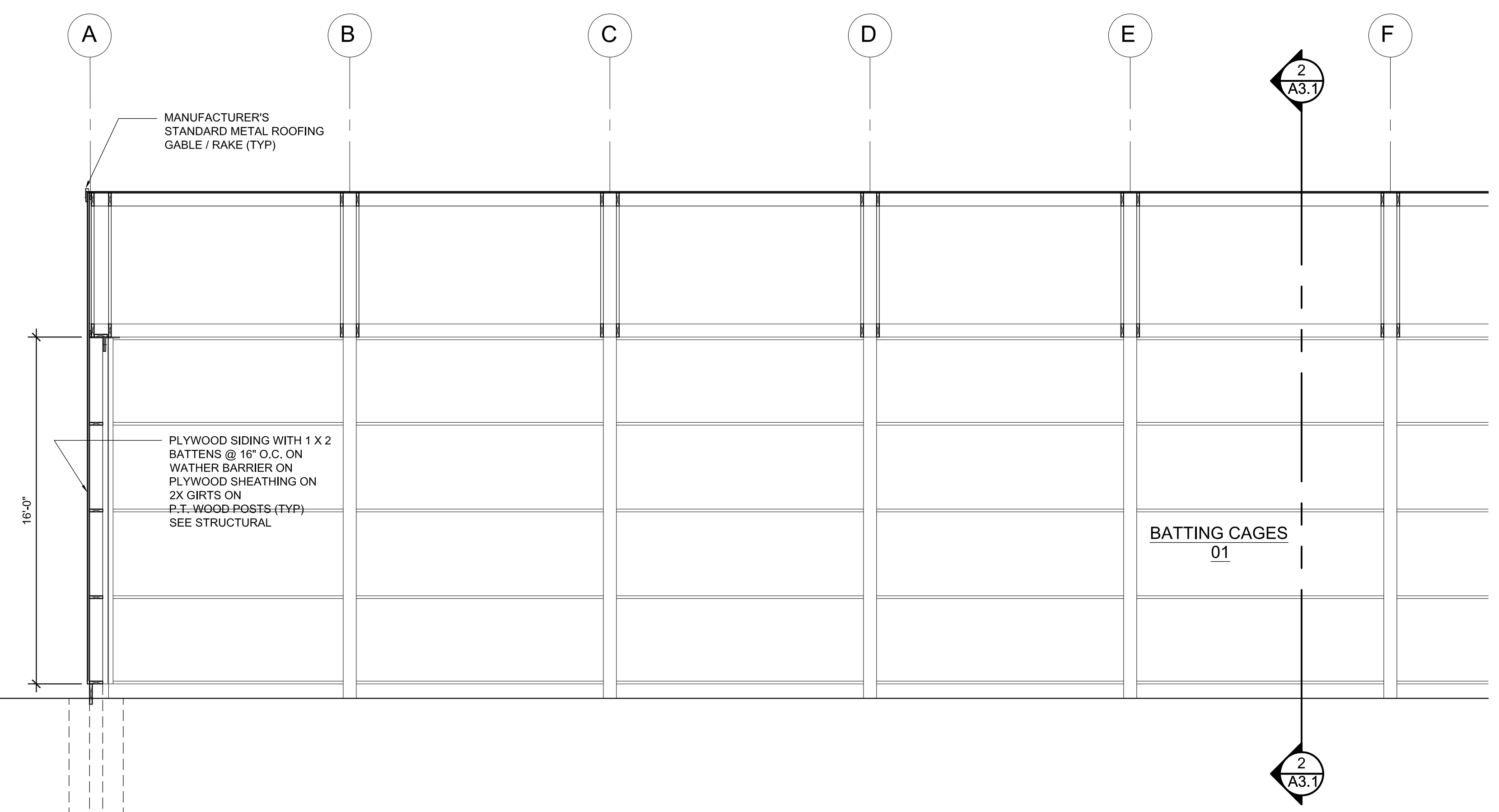
CONSTRUCTION

REVISIONS:
DATE DESCRIPTION

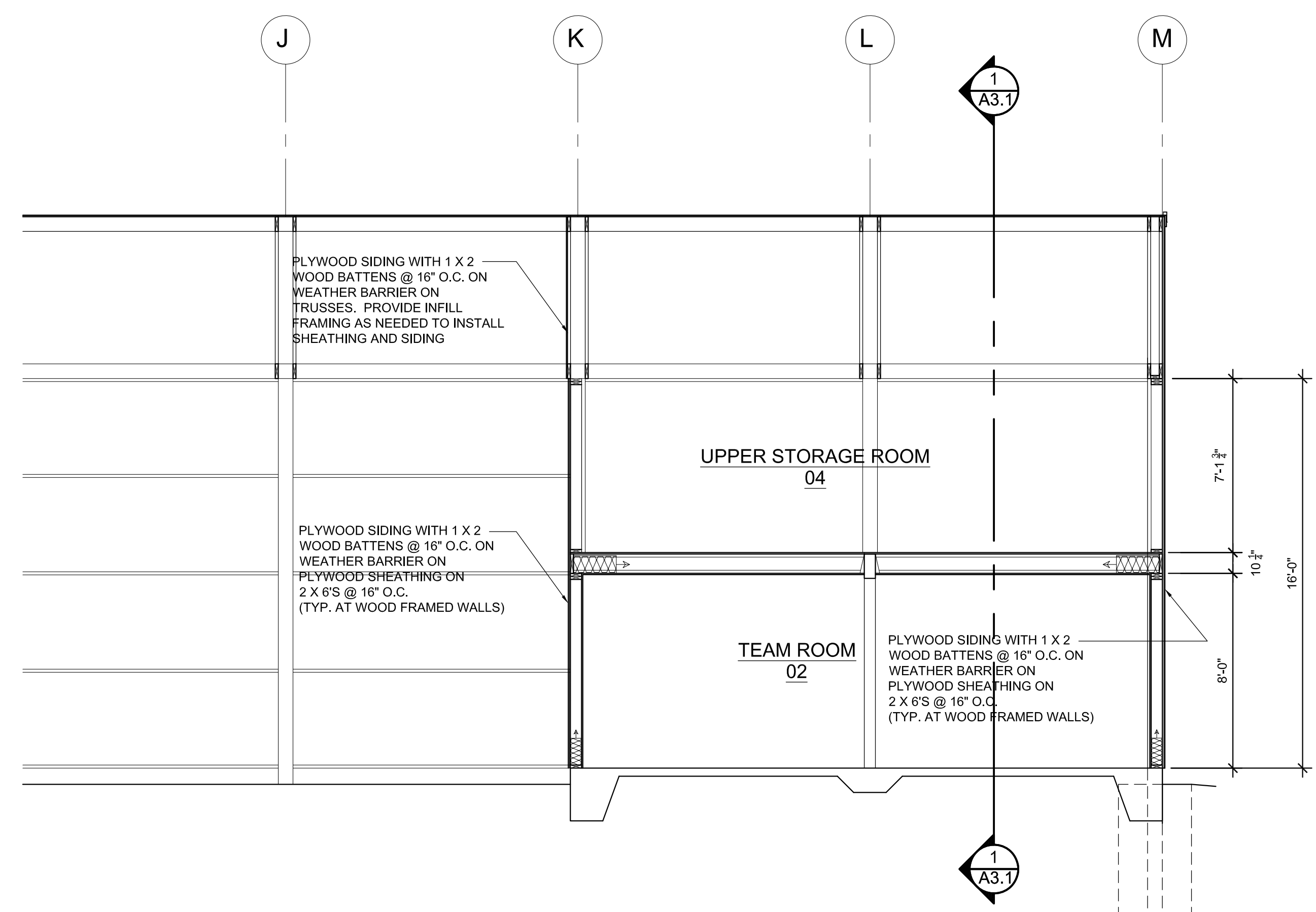
DATE: MAY 2023

SHEET TITLE:
SECTIONS

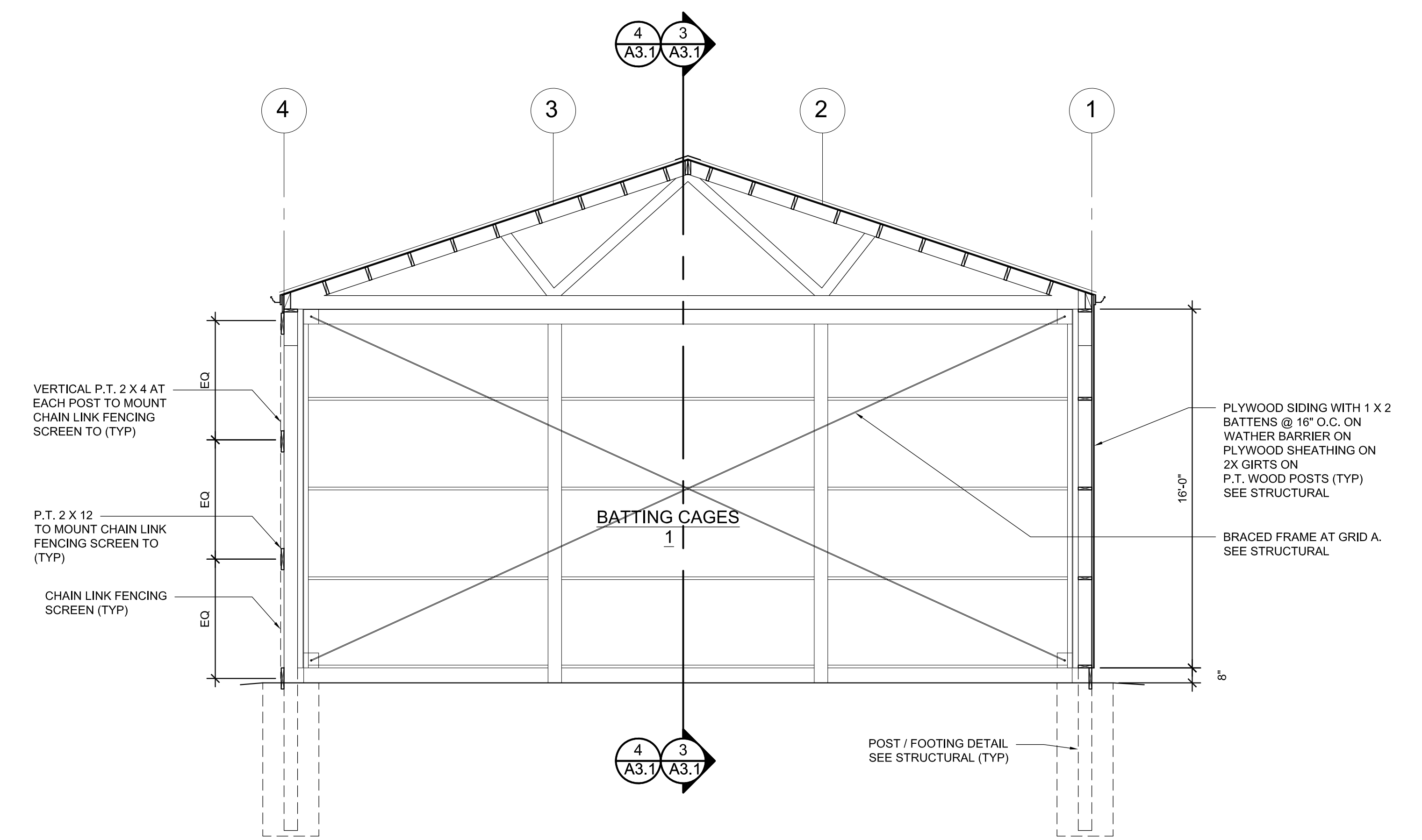
A3.1



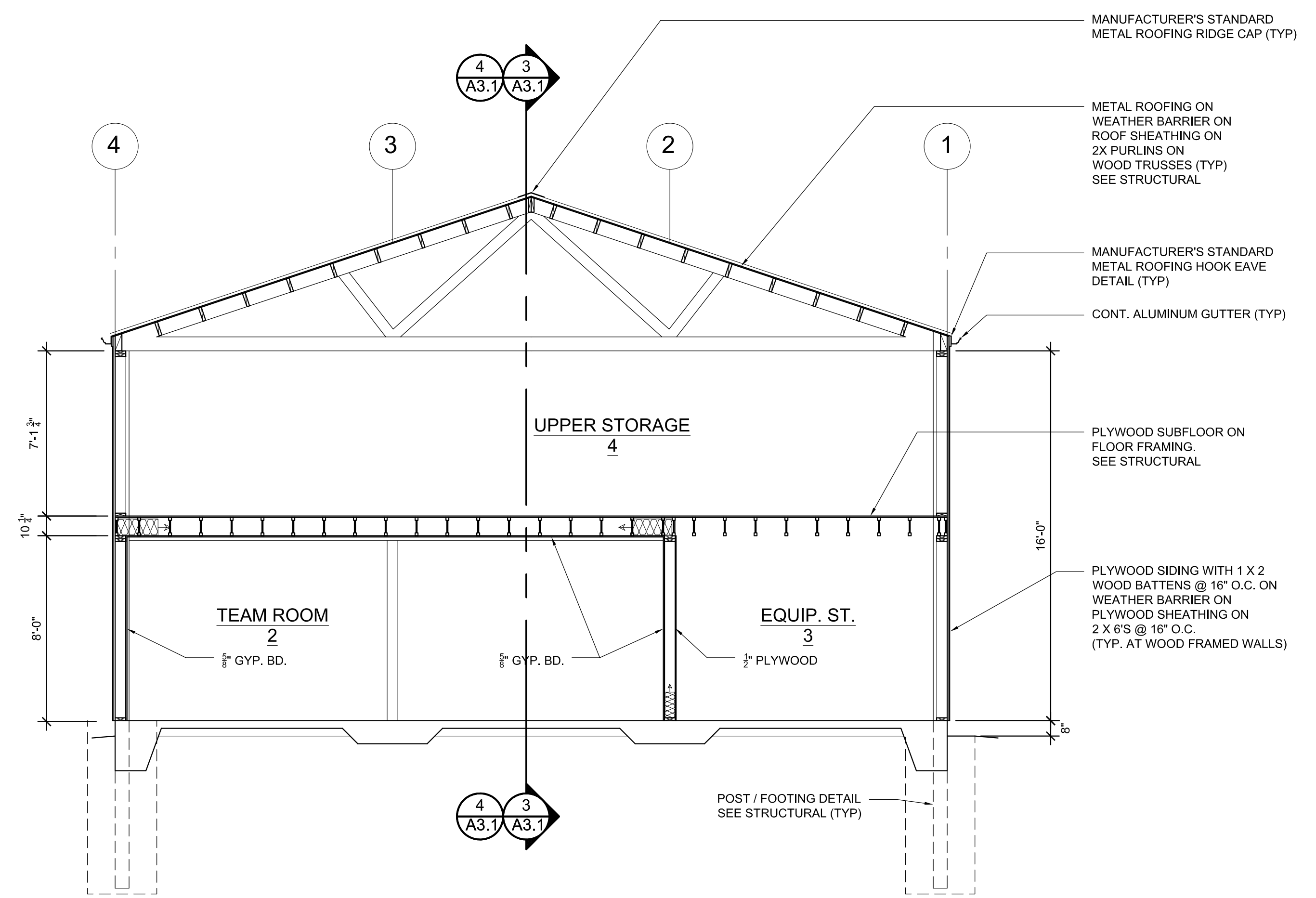
4 SECTION
A3.1 SCALE: 1/4" = 1'-0"



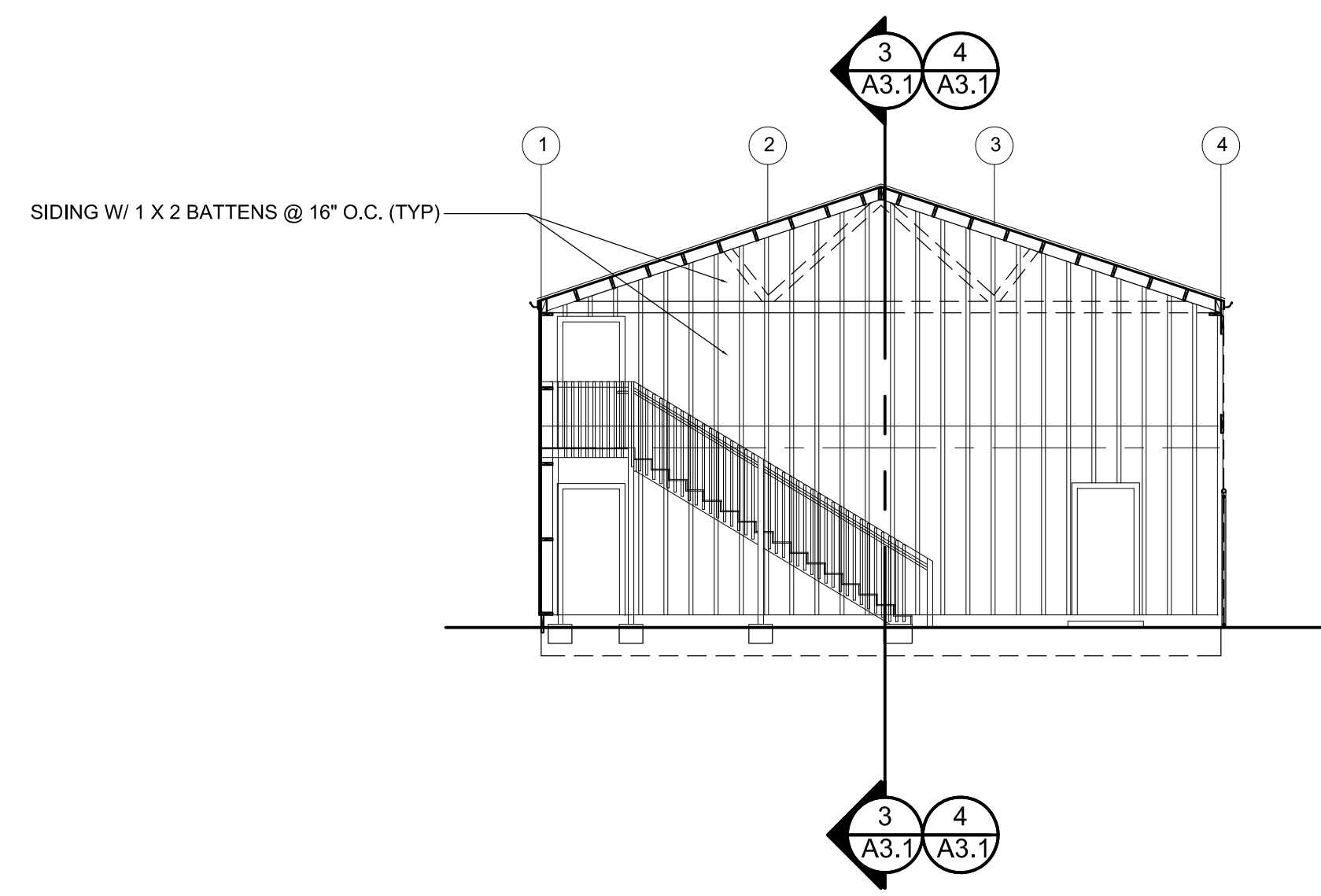
3 SECTION
A3.1 SCALE: 1/4" = 1'-0"



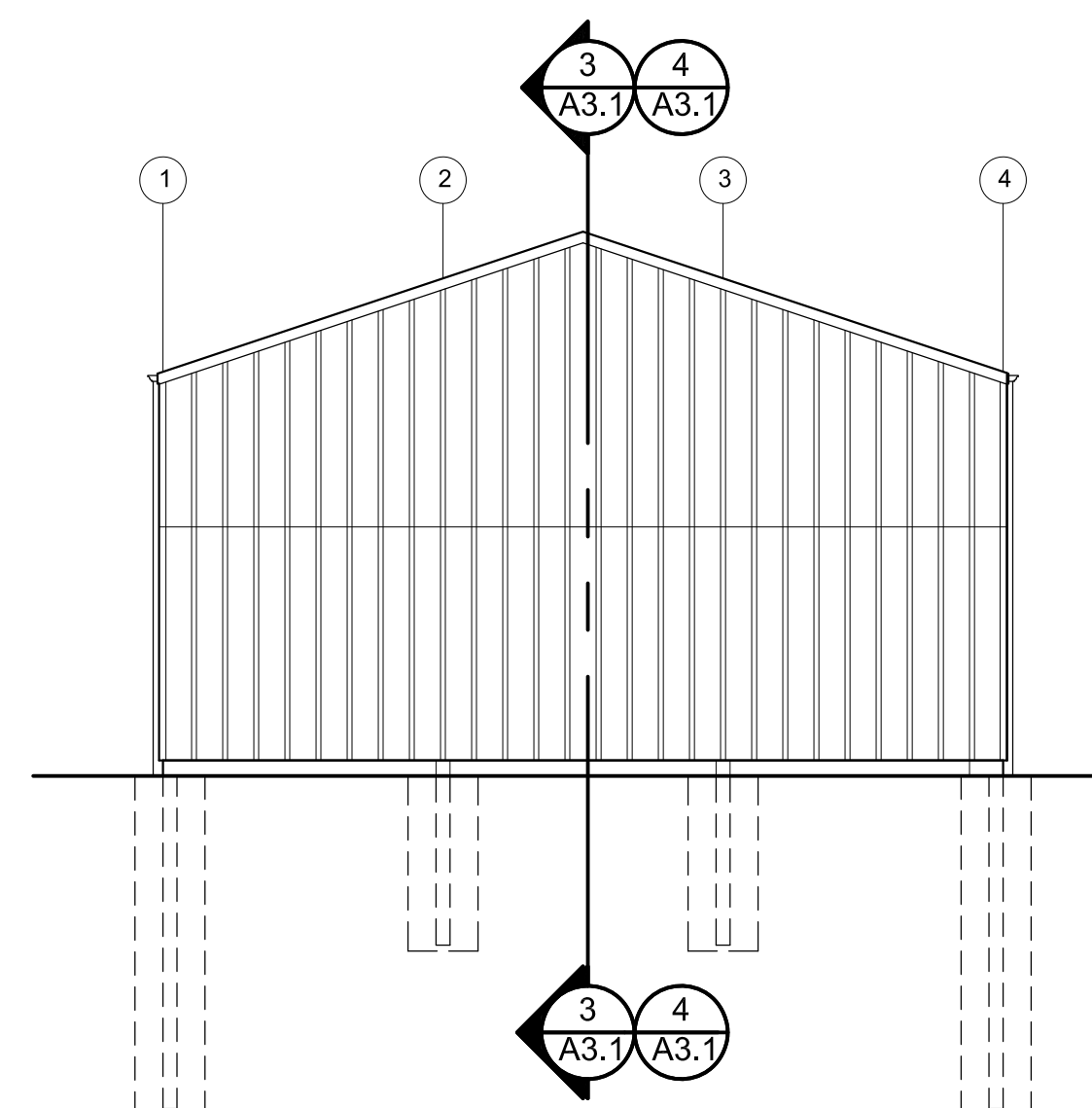
2 SECTION
A3.1 SCALE: 1/4" = 1'-0"



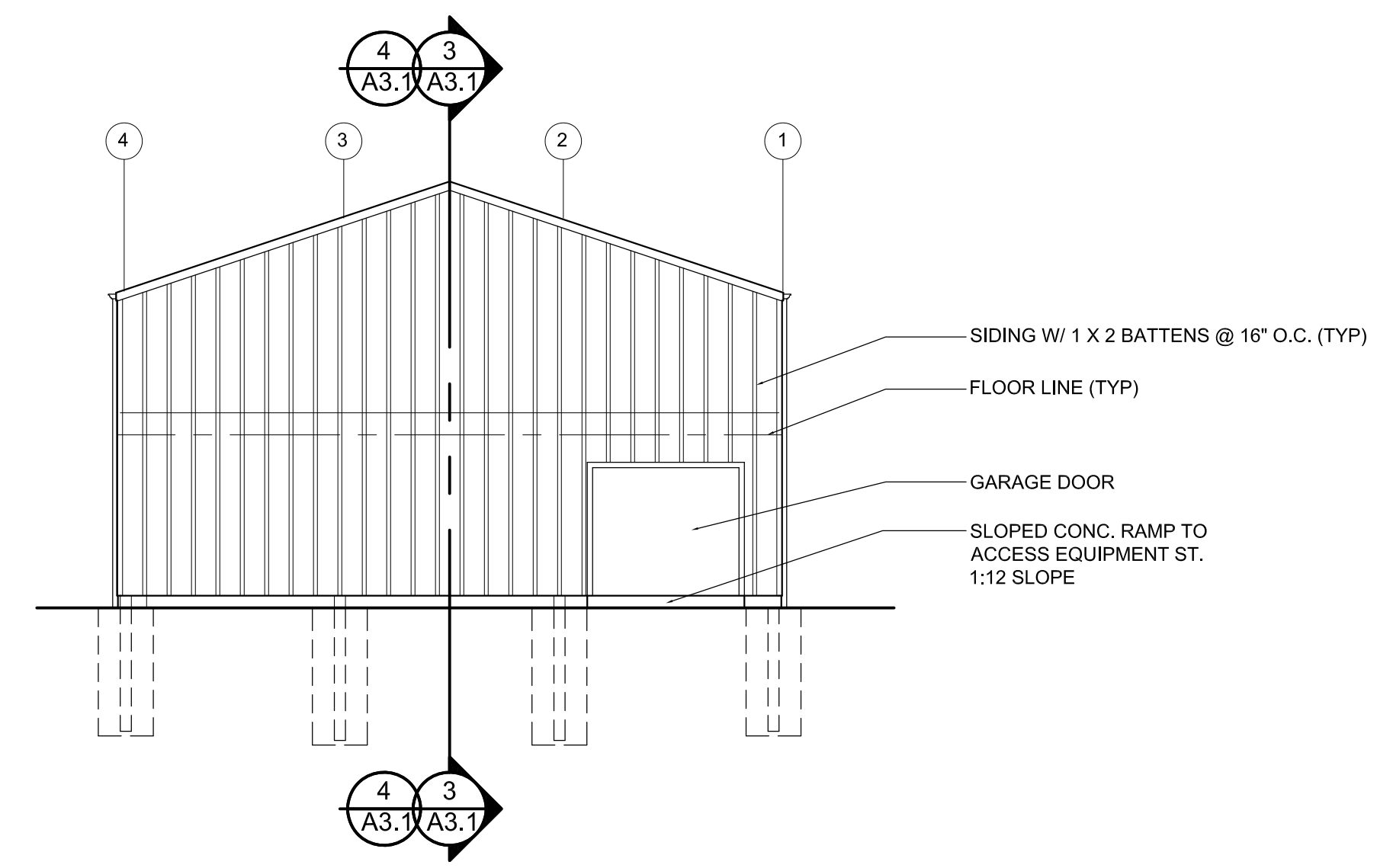
1 SECTION
A3.1 SCALE: 1/4" = 1'-0"



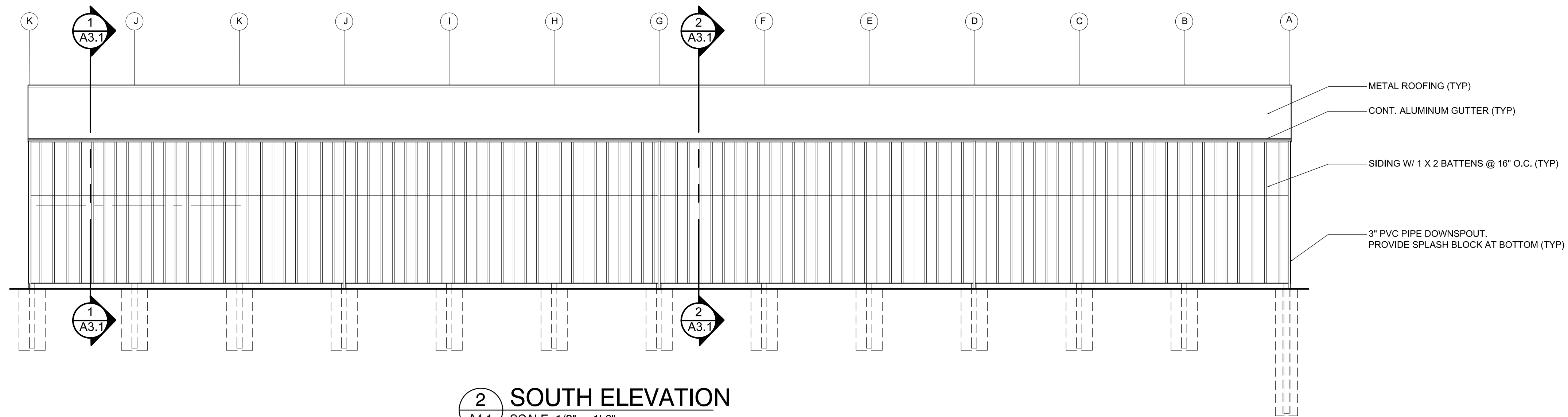
5 EAST TEAM ROOM ELEVATION
A3.1 SCALE: 1/8" = 1'-0"



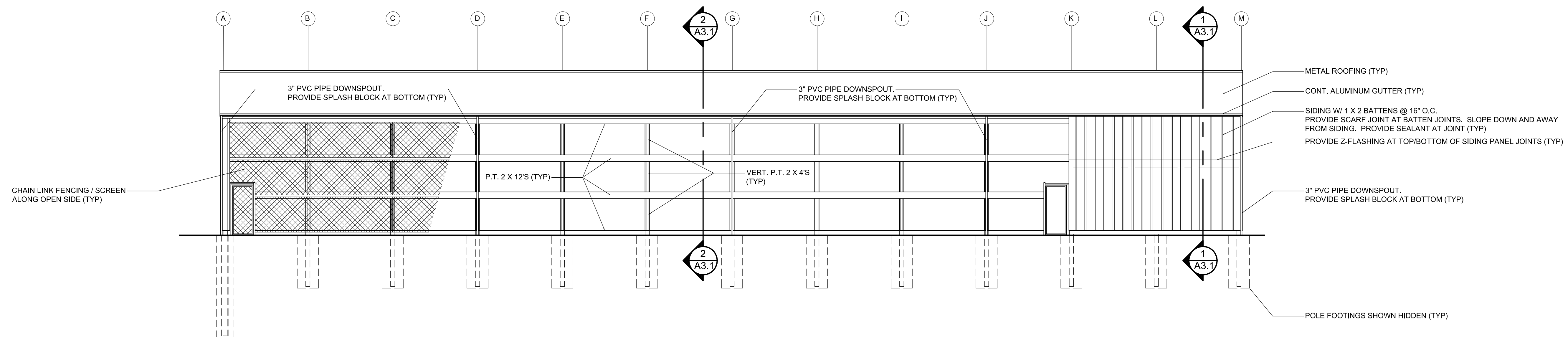
4 EAST ELEVATION
A3.1 SCALE: 1/8" = 1'-0"



3 WEST ELEVATION
A3.1 SCALE: 1/8" = 1'-0"



2 SOUTH ELEVATION
A4.1 SCALE: 1/8" = 1'-0"



1 NORTH ELEVATION (FRONT)
A4.1 SCALE: 1/8" = 1'-0"

PROJECT NO.: 22.48
MHS SOFTBALL BATTING CAGE STRUCTURE
SOUTH COAST EDUCATION SERVICE DISTRICT FIELD
1350 TEAKWOOD AVE.
COOS BAY, OR 97420

CONSTRUCTION

REVISIONS:
DATE DESCRIPTION

DATE: MAY 2023

SHEET TITLE:

ELEVATIONS

A4.1

TABLE of SHEATHING - Use, Minimum Thickness and Minimum APA Rating

Location	Thickness	Span Rating	Plywood Grade	Exposure
Roof	15/32"	32/16	C-D	1
Floor	23/32" T&G	24 OC	STURD-I-FLOOR	1
Shear Walls	15/32"	32/16	C-D	1
Girt Walls	3/4	48/24	C-D	1

Unless noted otherwise on drawings, install roof and floor panels with long dimension across supports and with panel continuous over two or more spans. End joints shall occur over supports.

- Timber Connectors:** Shall be "Strong Tie" by Simpson Company as specified in their latest catalog. Alternate connectors by other manufacturers may be substituted provided they have current ICC approval for equivalent or greater load capacities and are reviewed and approved by the SER prior to ordering. Connectors shall be installed per the manufacturer's instructions. Where connector straps connect two members, place one-half of the nails or bolts in each member. Where straps are used as hold-downs, nail straps to wood framing just prior to drywall application, as late as possible in the framing process to allow the wood to shrink and the building to settle. Premature nailing of the strap may lead to strap buckling and potential finish damage.

Where connectors are in exposed exterior applications in contact with preservative treated wood (PT) other than CCA, connectors shall be either batch hot-dipped galvanized (HDG), mechanically galvanized (ASTM B695, Class 55 minimum) stainless steel, or provided with 1.85 oz/sf of zinc galvanizing equal to or better than Simpson ZMAX finish.

Nail straps to wood framing as late as possible in the framing process to allow the wood to shrink and the building to settle. Premature nailing of the strap may lead to strap buckling and potential finish damage.

- Fasteners** (nails, bolts, screws, etc) attaching timber connectors (joist hangers, post caps and bases, etc) to PT wood shall have similar corrosion resistance properties (matching protective treatments) as the protected connector. Fasteners (nails, bolts, screws, etc) attaching sawn timber members or sheathing (shear walls) to PT wood shall be corrosion resistant; nails and lag bolts shall be either HDG (ASTM A153) or stainless steel. Verify the suitability of the fastener protection/coating with the wood treatment chemical manufacturer/supplier.

Provide washers under the heads and nuts of all bolts and lag screws bearing on wood.

- Lag Bolts/Bolts:** Conform to ASTM A307 and OSSC Section 2304.10.
- Nails and Staples:** Conform to ASTM F1667 and OSSC Sections 2303.6 and 2304.10.

NAILING REQUIREMENTS: Conform to OSSC Section 2304.10 "Connections and fasteners." Unless noted on plans, nail per Table 2304.10.1. Nailing for roof/floor diaphragms/shear walls shall be per drawings. Nails shall be driven flush and shall not fracture the surface of sheathing. Alternate nails may be used but are subject to review and approval by the Structural Engineer. Substitution of staples for the nailing of rated sheathing is subject to review by the structural engineer prior to construction.

STANDARD LIGHT-FRAME CONSTRUCTION: Unless noted on the plans, construction shall conform to OSSC Section 2308 "Conventional Light-Frame Construction."

NAILERS ON STEEL COLUMNS and BEAMS: Wood 3x nailers are generally required on all HSS columns and steel beams abutting or embedded within wood framing. Unless noted otherwise, attach with 5/8" diameter bolts or welded studs at 16" on centers. Unless noted otherwise, wood nailers on beams supporting joist hangers shall not overhang the beam flange by more than 1/4".

WOOD SHRINKAGE AND EXPANSION: Wood materials will expand or contract based on relative changes in moisture. The contractor is responsible for means and methods of construction related to mitigating and managing the effects of changes in moisture.

MOISTURE CONTENT: Solid Sawn wood material used for this project shall be handled and protected to maintain a maximum moisture content of less than 19%. Engineered wood products and sheathing shall be handled and protected to maintain the moisture content below the limits required by the manufacturer. Refer to TESTING & INSPECTIONS for the verification of these limits. The maximum moisture content required may be less than these limits when based on particular product requirements (i.e. finishes, cladding, insulation systems, etc.). Refer to the Architect's drawings, project specifications, or installer/product requirements for additional requirements.

SHRINKAGE COMPENSATION FOR MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS: MEP systems, including ductwork, pipes, and other elements that run continuously between levels shall be installed/designed in such a manner to accommodate shrinkage in the wood framing. Wood shrinkage amounts will vary depending on the construction process and materials used. The anticipated shrinkage under typical conditions is expected to range between 1/8" and 1/4" per floor.

CLADDING COMPATIBILITY: The Architect/Owner and contractor shall review the cladding, finishes, insulation systems, other non-structural components and construction procedures proposed for the project with respect to their performance over wood framing. EIFS systems should be avoided on wood-framed projects due to problems with moisture proofing. Note that DCI is not responsible for the attachment of the cladding to the wood studs which needs to be verified and provided by the cladding supplier.

PRESERVATIVE TREATMENT (PT): Wood materials that are required to be "treated wood" in accordance with OSSC Section 2304.12, "Protection Against Decay and Termite Protection" shall conform to the appropriate standards of the American Wood-Preservers Association (AWPA) for sawn lumber, glued laminated timber, round poles, wood piles and marine piles. Follow American Lumber Standards Committee (ALSC) quality assurance procedures. Products shall bear the appropriate mark. Fasteners or anchors in treated wood shall be of stainless steel or hot-dipped galvanized or as per OSSC 2304.10.5.

Mud sill plates in normally dry interior applications may be treated with Sodium Borate (DOT - Disodium Octaborate Tetrahydrate) as recent studies have noted less connector corrosion potential than other available wood treatments or the original CCA treated sill plates. Wood treated with Sodium Borate shall be protected during shipment, storage and installation to minimize leaching of the water-soluble preservative from the lumber. Sodium borate pressure treated plates do not require hot-dipped galvanized connectors.

If using preservative treatments other than CCA or sodium borate, fasteners must be hot dipped galvanized or stainless steel. Wood treated with Alkaline Copper Quaternary (ACQ) requires steel components in contact with the wood to be stainless (nails, bolts, screws, washers & lag screws). Fasteners (nails, bolts, screws, washers & lag screws) attaching timber connectors (joist hangers, post caps and bases, etc) to PT wood shall have similar corrosion resistance properties (matching protective treatments) as the protected connector; that is, use hot dipped galvanized or stainless-steel fasteners. Fasteners (nails, bolts, screws, washers & lag screws) attaching sawn timber members or sheathing (shear walls) to Pressure Treated wood shall be corrosion resistant (hot dipped galvanized or stainless steel).

Always verify the suitability of the fastener protection/coating with the wood treatment chemical manufacturer/supplier.

FOR PERMIT
The Contractor shall submit these drawings for construction until Contractor receives written approval for use in construction by the authority having jurisdiction and DCI Engineers.

PREPARED BY:



921 SW Washington Street, Suite 500
Portland, Oregon 97205 www.dci-engineers.com
P: (503) 242-2448
© 2011 DCI ENGINEERS, INC. All rights reserved. No part of this document may be reproduced without the written consent of DCI ENGINEERS, INC.



SIGNATURE:



REGISTERED PROFESSIONAL ENGINEER
74868PE
OREGON
MARCH 28, 2011
SHIRLEY CHALUP
EXPIRES: 12-31-23

REVISIONS: NO.	DATE	DESCRIPTION

APPROVALS:

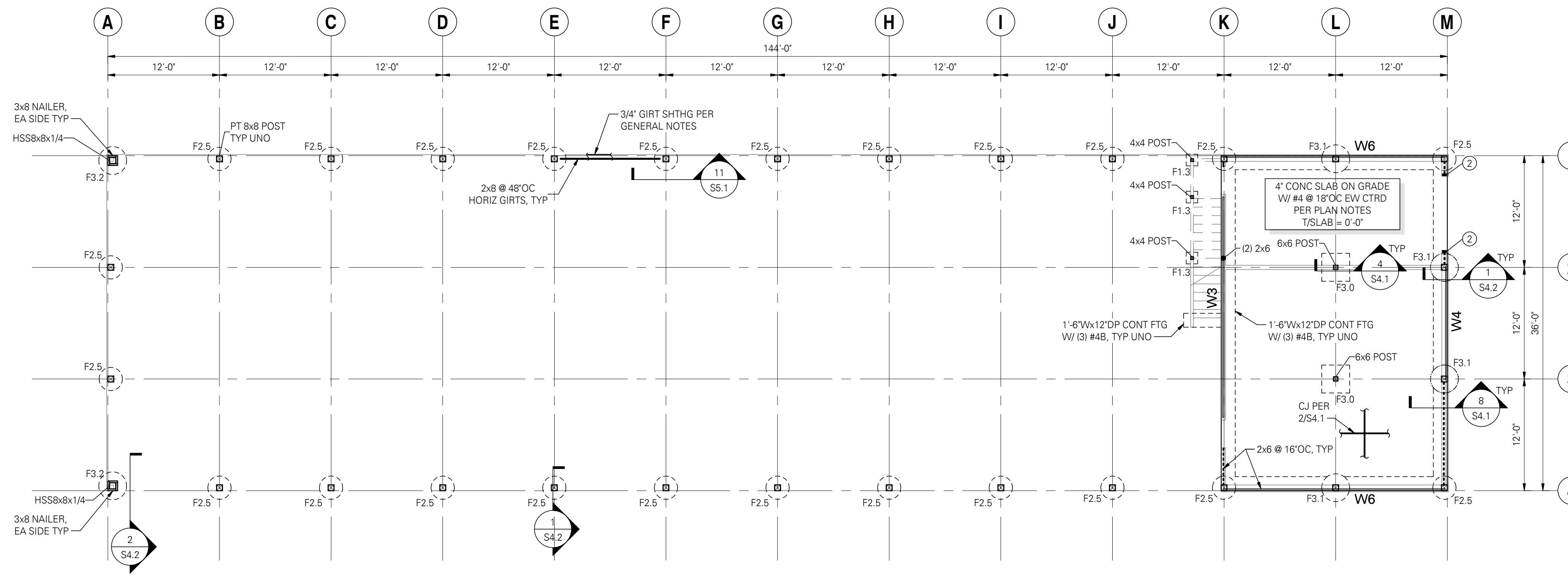
Job No.:	2303-004B
Proj. Manager:	TY
Drawn:	VP
Reviewed:	TY
Dwg. Chk.:	SC
Date:	04/26/23
Scale:	AS NOTED

PROJECT TITLE:
**MHS SOFTBALL BATTING
CAGE STRUCTURE**

COOS BAY SCHOOL DISTRICT
S. 10TH & INGERSOLL ST.
COOS BAY, OR 97420

SHEET TITLE:
STRUCTURAL -
GENERAL NOTES

SHEET NO.
SI.3

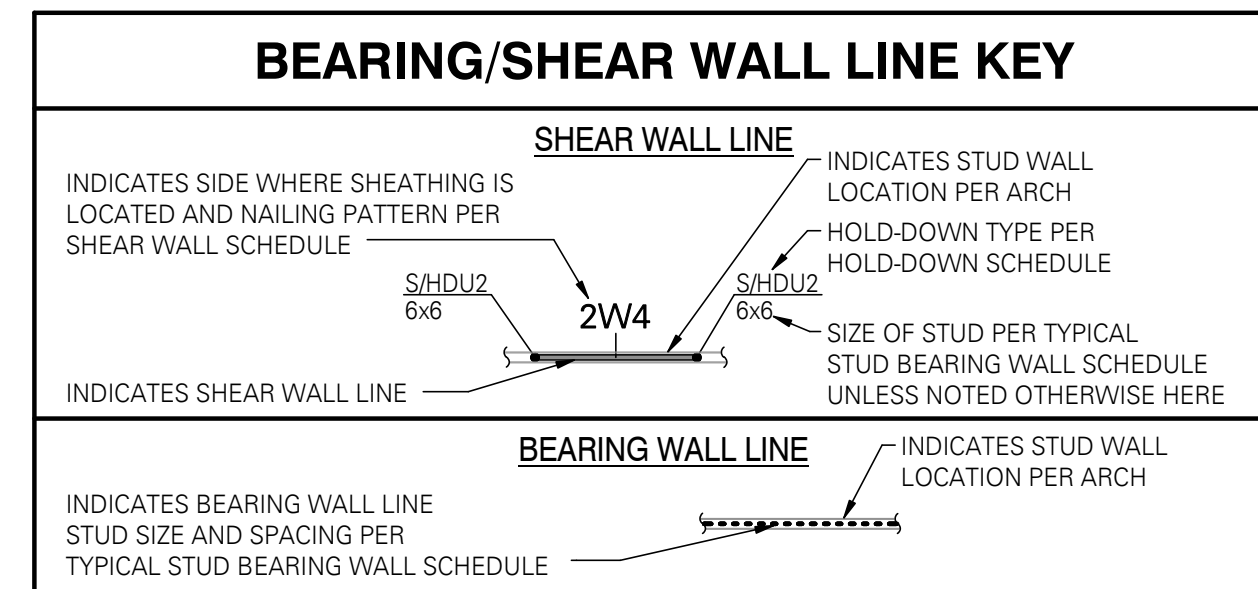


FOUNDATION PLAN NOTES:

- STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1, S1.2, S1.3 AND S1.4
- VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL LOCATE AND VERIFY THE FOLLOWING WITH OTHERS PRIOR TO POURING CONCRETE: ALL DOOR OPENINGS IN FOUNDATION WALLS, DRAINS AND SLOPES; BLOCKOUTS FOR PLUMBING, SPRINKLERS AND HVAC. ALL DUCTS, CHASES AND PIPES PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.
- TOP OF SLAB (T/SLAB) ELEVATION ASSUMED 0'-0". FOR ACTUAL T/SLAB ELEVATION REFER TO CIVIL AND ARCHITECTURAL DRAWINGS. PROVIDE 6 MIL VAPOR BARRIER BELOW SLAB AT INTERIOR SPACES. PROVIDE FREE-DRAINING GRANULAR FILL PER OSSC CHAPTER 18.
- ALL FOOTINGS AND SLABS TO BEAR ON COMPETENT NATIVE SOIL AND/OR STRUCTURAL FILL. SUBGRADE PREPARATION, STRUCTURAL FILL, DRAINAGE SYSTEM, AND OTHER REQUIREMENTS PER OSSC CHAPTER 18.
- CJ INDICATES CONTROL JOINT PER PLAN.
- MOISTURE PROOF ALL CONCRETE STEM AND BASEMENT WALLS PER ARCHITECT. CONTRACTOR TO VERIFY ADDITIONAL LOCATIONS WHICH REQUIRE WATERPROOFING PER ARCHITECTURAL DRAWINGS.
- TYPICAL DETAILS PER:
 - 1/S4.1 TYPICAL LAP SPlice SCHEDULE
 - 3/S4.1 TYPICAL SILL PLATE ANCHORAGE TO CONCRETE
 - 5/S4.1 STANDARD HOOKS AND BAR BENDS
 - 6/S4.1 TYPICAL PIPE AND TRENCH LOCATIONS AT CONCRETE STEMWALL/FOOTING
 - 8/S4.1 EXTERIOR THICKENED SLAB EDGE FOOTING AT STUD WALL
 - 9/S4.1 TYPICAL ANCHOR BOLT SCHEDULE
 - 10/S4.1 TYPICAL CORNER REINFORCING AT CONCRETE FOOTINGS
 - 11/S4.1 TYPICAL SILL PLATE ANCHORAGE TO CONCRETE
 - 12/S4.1 TYPICAL STEPPED FOOTING

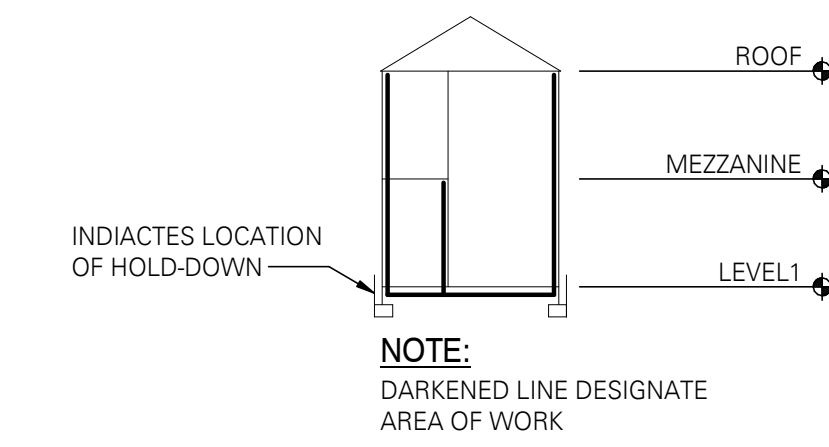
STUD AND SHEAR WALL PLAN NOTES:

- STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1, S1.2, S1.3 AND S1.4
- LUMBER GRADE PER STRUCTURAL GENERAL NOTES.
- HEADERS SHOWN ON FRAMING PLAN SHALL BE SUPPORTED BY (1) TRIMMER AND (1) KING STUD MINIMUM. UNO. WHERE MORE THAN (1) TRIMMER IS REQUIRED, THE NUMBER OF TRIMMER STUDS SHALL BE NOTED THUS: (2). TRIMMERS TO BE CONTINUOUS TO THE FOUNDATION. BLOCK SOLID AT FLOOR FRAMING.
- BEAMS SHOWN ON FRAMING PLAN SHALL BE SUPPORTED BY (2) BUNDLED STUDS MINIMUM, UNO. WHERE MORE THAN (2) BUNDLED STUDS ARE REQUIRED, THE NUMBER OF BUNDLED STUDS SHALL BE NOTED THUS: (3). BUNDLED STUDS TO BE CONTINUOUS TO THE FOUNDATION. BLOCK SOLID AT FLOOR FRAMING.
- SHEAR WALL AND NAILING REQUIREMENTS PER SHEAR WALL SCHEDULE 11/S5.2.
- ALL EXTERIOR WALLS REQUIRING WOOD SHEATHING PER THE ARCHITECT SHALL BE SHEAR WALL TYPE **W6** UNO.
- (2) 2x INDICATES HOLD-DOWN TYPE PER HOLD-DOWN SCHEDULE 9/S5.2. CIRCLED NUMBER INDICATES NUMBER OF TRIM STUDS REQUIRED AND BOTTOM NUMBER INDICATES NUMBER OF FULL HEIGHT (KING) STUDS REQUIRED IN ADDITION TO BUNDLED OR TRIM STUDS OR POSTS SHOWN ON PLAN.
- TYPICAL HOLD-DOWN ELEVATION PER 5/S5.1.
- ANCHOR BOLTS TO BE 5/8" DIA x 7" MINIMUM EMBEDMENT PER 3.S4.1.
- TYPICAL DETAILS PER:
 - 1/S5.1 TYPICAL SHEAR WALL ELEVATION
 - 5/S5.1 TYPICAL HOLD-DOWN AT FOUNDATION
 - 6/S5.1 TYPICAL STUD WALL OPENING (HEADER) DETAIL
 - 7/S5.1 TYPICAL INTERIOR STAIRWAY SECTION AT SLOPED STRINGERS
 - 8/S5.1 TYPICAL STAIRWAY STRINGER DETAILS AND SPANS
 - 9/S5.1 TYPICAL TOP PLATE SPlice DETAIL
 - 4/S5.2 TYPICAL HOLD-DOWN OR STRAP CONNECTION AT FLOOR FRAMING



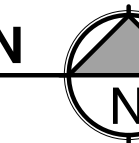
SPREAD FOOTING SCHEDULE

MARK	SIZE			REINFORCING	COMMENTS
	LENGTH	WIDTH	DEPTH		
F1.3	1'-3"	1'-3"	10"	(2) #4B EV	
F2.5	—	2'-6"Ø	7'-6"	REF DETAIL 1/S4.2	
F3.0	3'-0"	3'-0"	1'-0"	(4) #4B EV	
F3.1	—	3'-0"Ø	7'-6"	REF DETAIL 1/S4.2	
F3.2	—	3'-0"Ø	14'-6"	REF DETAIL 2/S4.2	



FOUNDATION & FIRST FLOOR STUD AND SHEAR WALL PLAN

SCALE: 1/8" = 1'-0"



FOR PERMIT
The Contractor shall not use these drawings for construction until Contractor receives written approval for use in construction by the authority having jurisdiction and DCI Engineers.

PREPARED BY:
DCI ENGINEERS
921 SW Washington Street, Suite 500
Portland, Oregon 97205 www.dci-engineers.com
P: (503) 242-2448
CIVIL / STRUCTURAL
Professional Engineer License No. 74868PE
© 2011 DCI Engineers, Inc. All rights reserved. No part of this drawing may be reproduced without the written consent of DCI Engineers, Inc.

SIGNATURE:
Julie Chaff
REGISTERED PROFESSIONAL ENGINEER
74868PE
OREGON
MARCH 28, 2011
SHIRLEY CHAFF
EXPIRES: 12-31-23

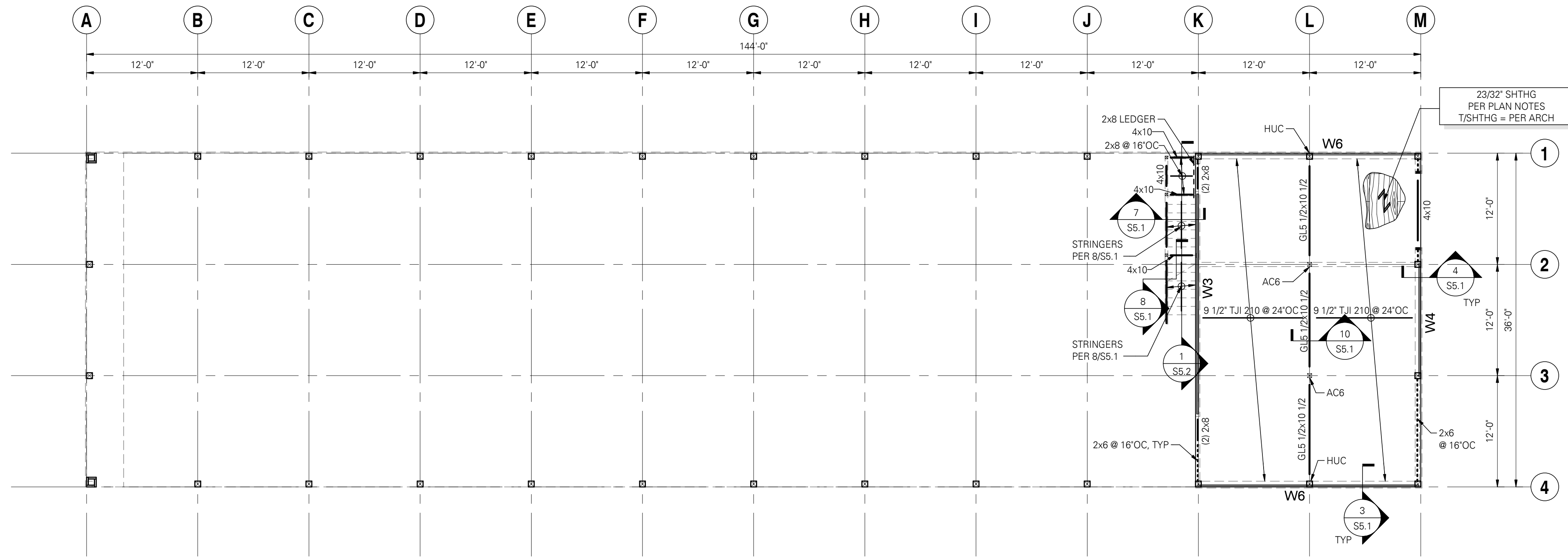
REVISIONS:
NO. DATE DESCRIPTION

APPROVALS:
Job No.: 2303-004B
Proj. Manager: TY
Drawn: VP
Reviewed: TY
Dwg. Chk.: SC
Date: 04/26/23
Scale: AS NOTED

PROJECT TITLE:
MHS SOFTBALL BATTING CAGE STRUCTURE
COOS BAY SCHOOL DISTRICT
S. 10TH & INGERSOLL ST.
COOS BAY, OR 97420

SHEET TITLE:
STRUCTURAL - FOUNDATION & FIRST FLOOR STUD AND SHEAR WALL PLAN

SHEET NO.
S2.1

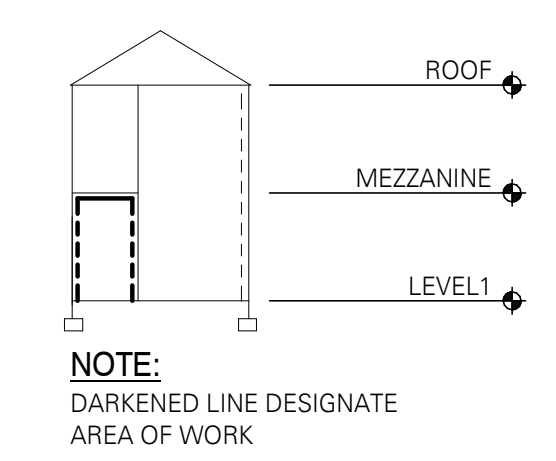
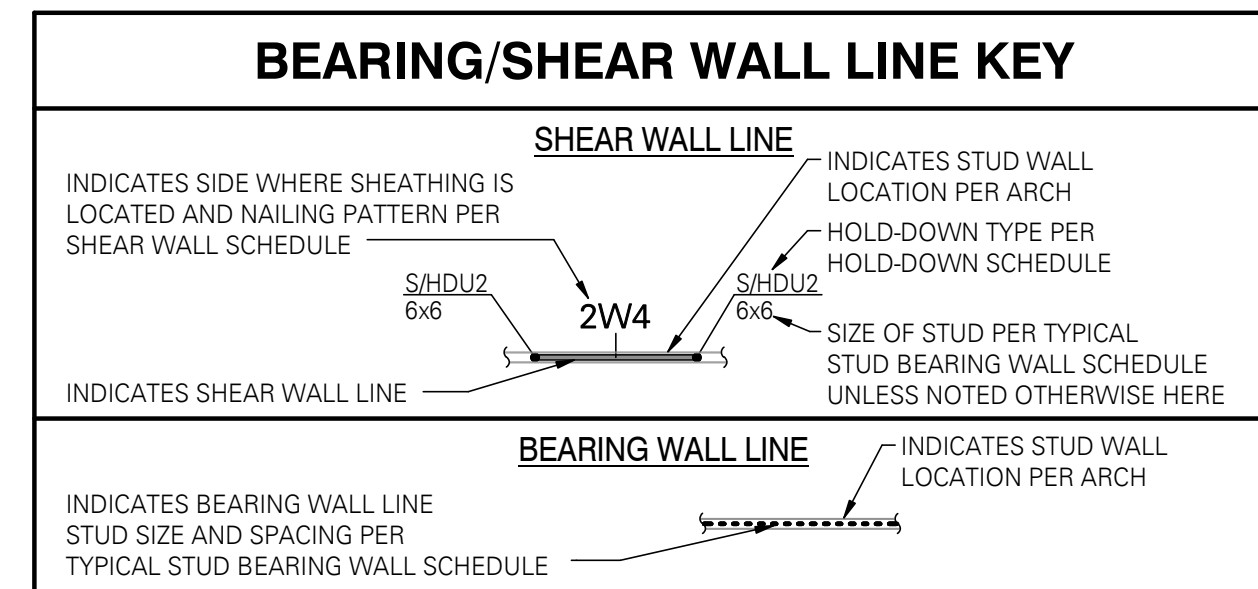


FLOOR FRAMING PLAN NOTES:

- STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1, S1.2, S1.3 AND S1.4.
- VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
- FLOOR SHEATHING PER PLAN AND STRUCTURAL GENERAL NOTES. SHEATHING TO BE GLUED AND NAILED TO FRAMING WITH 0.131" DIA x 2 1/2" NAILS @ 6" OC AT SUPPORTED PANEL EDGES AND @ 12" OC FIELD, UNO. LAY SHEATHING WITH FACE GRAIN (LONG DIRECTION) PERPENDICULAR TO SUPPORTS AND STAGGER PANEL END JOINTS. ALLOW 1/8" SPACE BETWEEN PANEL ENDS AND EDGES.
- ALL DUCTS, CHASES AND PIPES SHALL BE PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.
- ALL WOOD EXPOSED TO CONCRETE, WEATHER, OR WITHIN 8" OF FINISHED GRADE SHALL BE PRESSURE-TREATED.
- ALL 2x HANGERS TO BE FACE MOUNT TYPE LUS, UNO, GLULAM, PARALLAM AND MICROLLAM HANGERS ARE AS SPECIFIED ON PLAN. 1" JOIST HANGERS TO BE FACE MOUNT SIMPSON IUS TYPE, UNO.
- HEADERS SHOWN BUT NOT SPECIFIED ARE TO BE (2) 2x8 MINIMUM. HEADER SUPPORTS PER STUD AND SHEAR WALL PLAN ON FLOOR BELOW.
- BEAMS ARE FLUSH FRAMED WITH JOISTS UNLESS NOTED OTHERWISE ON DETAILS, OR ON PLANS AS "DB" INDICATING THAT DROPPED BEAM FRAMING IS REQUIRED. BEAM SUPPORTS PER STUD AND SHEAR WALL PLAN ON FLOOR BELOW.
- PROVIDE FULL HEIGHT SOLID BLOCKING OR DOUBLE JOISTS UNDER ALL SHEAR WALLS AND BEARING WALLS. AT SHEAR WALLS PARALLEL TO FRAMING, ALIGN (1) JOIST OVER SHEAR WALL. (ADDITIONAL JOISTS MAY BE REQUIRED).
- ALL RIM JOISTS AND BLOCKING TO BE 1 1/2" LSL MINIMUM UNO.
- PROVIDE DOUBLE JOISTS AROUND ALL FLOOR AND ROOF OPENINGS GREATER THAN 24" ON ONE SIDE.
- BEARING STUD, SHEAR WALL, HOLD-DOWN, POST SIZE, AND POST CAP AND BASE REQUIREMENTS BELOW PER STUD AND SHEAR WALL PLAN ON FLOOR BELOW.

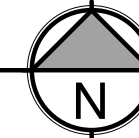
STUD AND SHEAR WALL PLAN NOTES:

- STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1, S1.2, S1.3 AND S1.4
- LUMBER GRADE PER STRUCTURAL GENERAL NOTES.
- HEADERS SHOWN ON FRAMING PLAN SHALL BE SUPPORTED BY (1) TRIMMER AND (1) KING STUD MINIMUM. UNO. WHERE MORE THAN (1) TRIMMER IS REQUIRED, THE NUMBER OF TRIMMER STUDS SHALL BE NOTED THUS: (2). TRIMMERS TO BE CONTINUOUS TO THE FOUNDATION. BLOCK SOLID AT FLOOR FRAMING.
- BEAMS SHOWN ON FRAMING PLAN SHALL BE SUPPORTED BY (2) BUNDLED STUDS MINIMUM, UNO. WHERE MORE THAN (2) BUNDLED STUDS ARE REQUIRED, THE NUMBER OF BUNDLED STUDS SHALL BE NOTED THUS: (3). BUNDLED STUDS TO BE CONTINUOUS TO THE FOUNDATION. BLOCK SOLID AT FLOOR FRAMING.
- SHEAR WALL AND NAILING REQUIREMENTS PER SHEAR WALL SCHEDULE 11/5.2.
- ALL EXTERIOR WALLS REQUIRING WOOD SHEATHING PER THE ARCHITECT SHALL BE SHEAR WALL TYPE **W6** UNO.
- (2) 2x HD INDICATES HOLD-DOWN TYPE PER HOLD-DOWN SCHEDULE 9/5.2. CIRCLED NUMBER INDICATES NUMBER OF TRIM STUDS REQUIRED AND BOTTOM NUMBER INDICATES NUMBER OF FULL HEIGHT (KING) STUDS REQUIRED IN ADDITION TO BUNDLED OR TRIM STUDS OR POSTS SHOWN ON PLAN.
- TYPICAL HOLD-DOWN ELEVATION PER 5/5.1.
- ANCHOR BOLTS TO BE 5/8" DIA x 7" MINIMUM EMBEDMENT PER 3.S4.1.
- TYPICAL DETAILS PER:
 - 1/5.1 TYPICAL SHEAR WALL ELEVATION
 - 5/5.1 TYPICAL HOLD-DOWN AT FOUNDATION
 - 6/5.1 TYPICAL STUD WALL OPENING (HEADER) DETAIL
 - 7/5.1 TYPICAL INTERIOR STAIRWAY SECTION AT SLOPED STRINGERS
 - 8/5.1 TYPICAL STAIRWAY STRINGER DETAILS AND SPANS
 - 9/5.1 TYPICAL TOP PLATE SPLICE DETAIL
 - 4/5.2 TYPICAL HOLD-DOWN OR STRAP CONNECTION AT FLOOR FRAMING



MEZZANINE FRAMING & STUD AND SHEAR WALL PLAN

SCALE: 1/8" = 1'-0"



FOR PERMIT
The Contractor shall not take drawings for construction until Contractor receives written approval for use in construction by the authority having jurisdiction and DCI Engineers.

PREPARED BY:

 921 SW Washington Street, Suite 500
 Portland, Oregon 97205 www.dci-engineers.com
 P. (503) 242-2448
 CIVIL / STRUCTURAL
DCI ENGINEERS, INC. is an Equal Opportunity Employer. Minorities and women are encouraged to apply. © 2011 DCI ENGINEERS, INC.

SIGNATURE:

 MARCH 28, 2011
 SHIRLEY CHALFANT
 OREGON REGISTERED PROFESSIONAL ENGINEER
 74868PE
 EXPIRES: 12-31-23

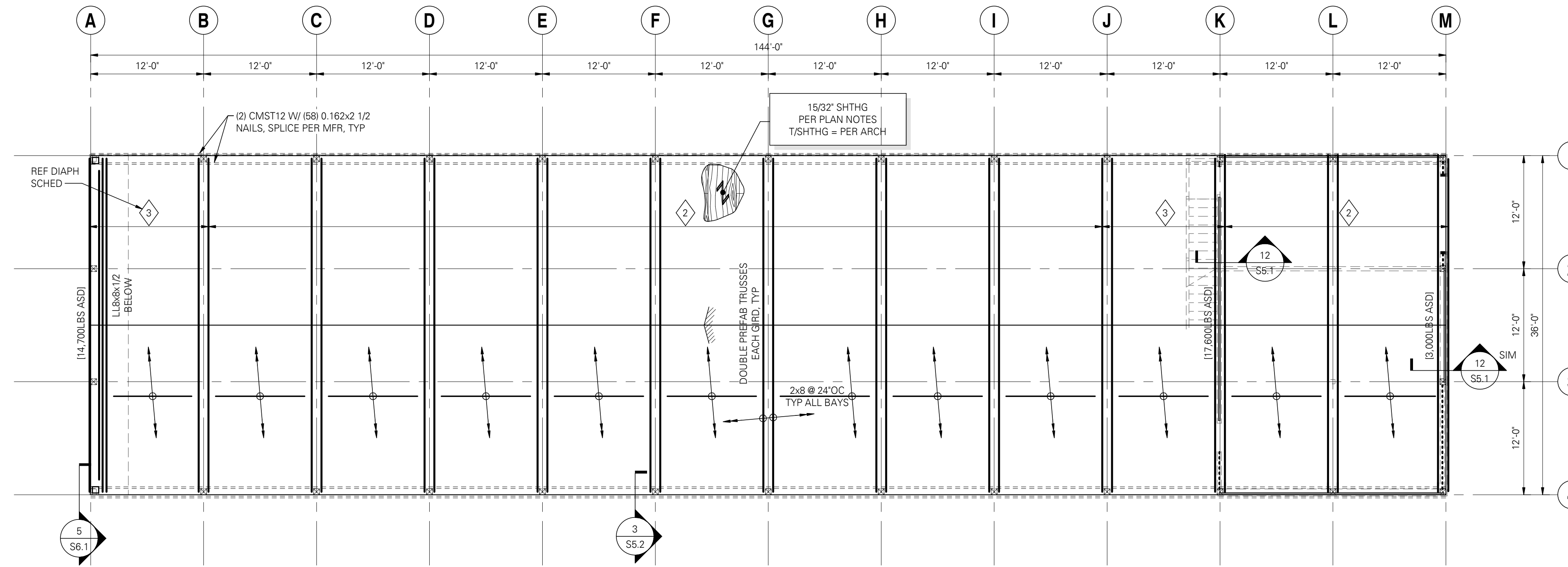
REVISIONS:
 NO. DATE DESCRIPTION

APPROVALS:
 Job No.: 2303-004B
 Proj. Manager: TY
 Drawn: VP
 Reviewed: TY
 Dwg. Chk.: SC
 Date: 04/26/23
 Scale: AS NOTED

PROJECT TITLE:
MHS SOFTBALL BATTING CAGE STRUCTURE
 COOS BAY SCHOOL DISTRICT
 S. 10TH & INGERSOLL ST.
 COOS BAY, OR 97420

SHEET TITLE:
STRUCTURAL - MEZZANINE FRAMING & STUD AND SHEAR WALL PLAN

SHEET NO.
S2.2

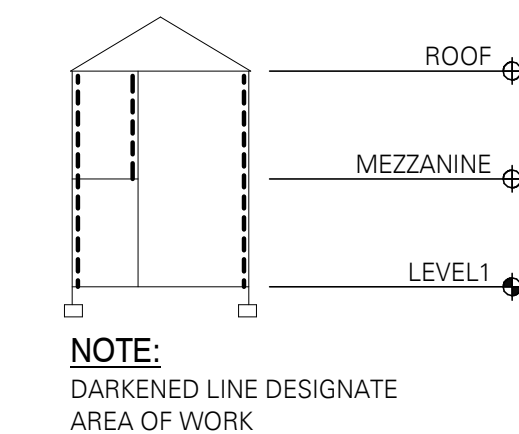


ROOF FRAMING PLAN NOTES:

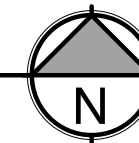
1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1, S1.2, S1.3 AND S1.4
 2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
 3. ALL DUCTS, CHASES AND PIPES SHALL BE PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.
 4. ROOF SHEATHING PER PLAN AND STRUCTURAL GENERAL NOTES. SHEATHING TO BE NAILED TO ROOF FRAMING WITH 0.131\"/>
- ALL GIRDER TRUSSES SHALL BE SUPPORTED BY A MINIMUM OF TWO STUDS. TRUSS MANUFACTURER TO SUBMIT TO ENGINEER GIRDER TRUSSES REACTIONS.
 - ALL MULTIPLE STUDS SUPPORTING HIP MASTER AND GIRDER TRUSSES TO CONTINUE TO FOUNDATION.
 - ROOF TRUSSES SHALL BE DESIGNED FOR ADDITIONAL LOADS FROM MECHANICAL UNITS AND PIPING. CONTRACTOR TO PROVIDE THE TRUSS SUPPLIER WITH LOCATIONS AND SUPPORT CONDITIONS OF ALL MECHANICAL, ELECTRICAL, PLUMBING, AND SPRINKLER LOADS. SPECIAL TRUSS SHAPES AND OPENING REQUIREMENTS ARE AS DESIGNATED ON PLANS.
 - TRUSS HANGERS SHALL BE SUPPLIED AND DESIGNED BY THE TRUSS SUPPLIER.
 - TRUSS MANUFACTURER TO DESIGN BEARING AT TOP PLATES FOR COMPRESSION PERPENDICULAR TO GRAIN $f_c = 405$ PSI.
14. BEARING STUD, SHEAR WALL, HOLD-DOWN, POST SIZE, AND POST CAP AND BASE REQUIREMENTS BELOW PER STUD AND SHEAR WALL PLAN.



SHADED REGION INDICATES APPROXIMATE AREA OF OVER-FRAMING. TRUSS MANUFACTURER IS RESPONSIBLE FOR DESIGNING THE OVER-FRAMING REQUIRED. TRUSSES SHALL BE DESIGNED TO SUPPORT OVER-FRAMING IN ADDITION TO THE SPECIFIED DESIGN LOADS.



ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



FOR PERMIT
The Contractor shall not use these drawings for construction until Contractor receives written approval for use in construction by the authority having jurisdiction and DCI Engineers.

PREPARED BY:

921 SW Washington Street, Suite 500
Portland, Oregon 97205 www.dci-engineers.com
P: (503) 242-2448 www.dci-structural.com
DCI ENGINEERS
CIVIL / STRUCTURAL

SIGNATURE:

MARCH 28, 2011
SHIRLEY CHALUP
EXPRES: 12-31-23

REVISIONS:	NO.	DATE	DESCRIPTION

APPROVALS:

Job No.:	2303-004B
Proj. Manager:	TY
Drawn:	VP
Reviewed:	TY
Dwg. Chk.:	SC
Date:	04/26/23
Scale:	AS NOTED

PROJECT TITLE:
MHS SOFTBALL BATTING CAGE STRUCTURE

COOS BAY SCHOOL DISTRICT
S. 10TH & INGERSOLL ST.
COOS BAY, OR 97420

SHEET TITLE:
STRUCTURAL - ROOF FRAMING PLAN

SHEET NO.
S2.3

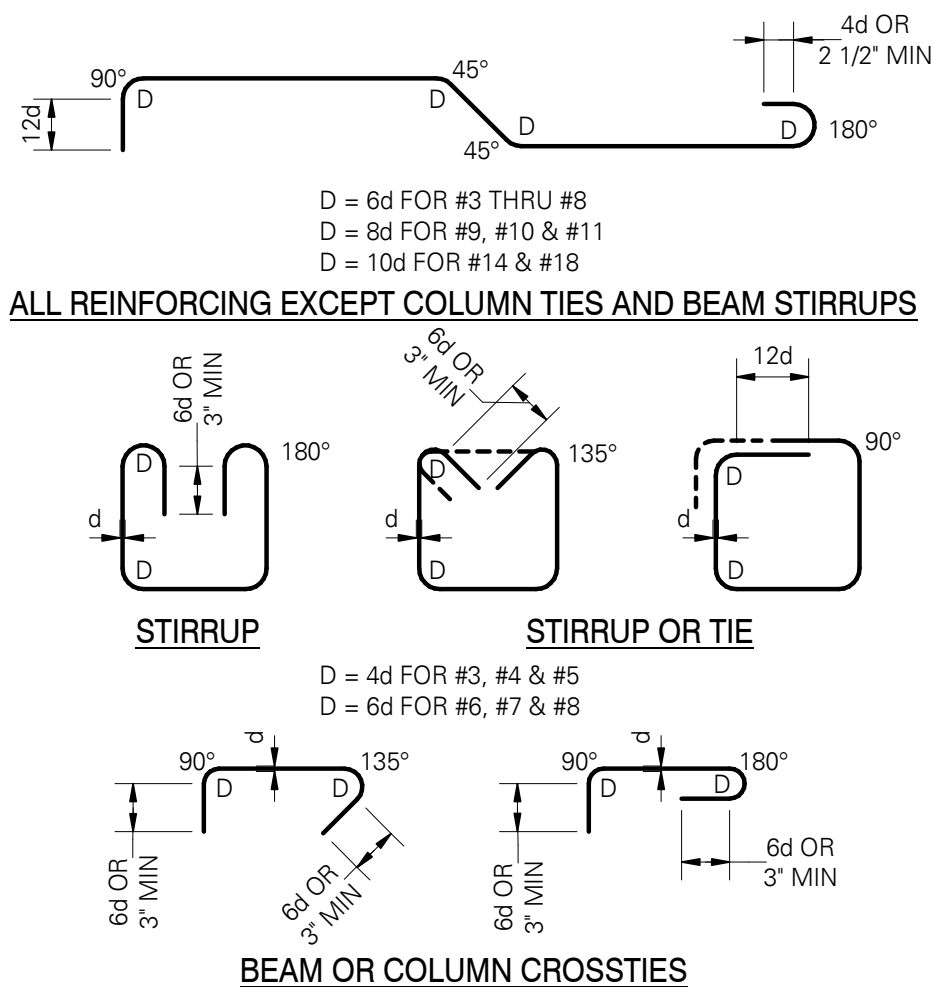
01400 GRADE 60 REINFORCING						
BAR SIZE	MISCELLANEOUS BARS		TOP BARS (see note #5)		HOOKED BARS	
	Ld	Splice	Ld	Splice	Ldh	
$f_c = 3000\text{psi}$						
#3	17	22	22	28	9	
#4	22	29	29	38	11	
#5	28	36	36	47	14	
#6	33	43	43	56	17	
#7	48	63	63	81	20	
#8	55	72	72	93	22	
#9	62	81	81	105	25	
#10	70	91	91	118	28	
#11	78	101	101	131	31	
#14	93	N/A	121	N/A	38	
#18	124	N/A	161	N/A	50	

NOTES:

- ALL TABULATED VALUES ARE IN INCHES.
- VALUES FOR UNCOATED REINFORCING AND NORMAL WEIGHT CONCRETE WITH CLEAR SPACING > db, CLEAR COVER > db AND MINIMUM STIRRUPS OR TIES THROUGHOUT Ld OR CLEAR SPACING > 2db AND CLEAR COVER > db.
- DEVELOP ALL REINFORCING IN STRUCTURAL SLABS WITH MINIMUM DEVELOPMENT LENGTH Ld.
- Ldh = DEVELOPMENT LENGTH OF BAR WITH STANDARD HOOK.
- TOP BAR = HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE BELOW OR AS NOTED ON DOCUMENTS AS "TOP BAR".
- LAP SPLICE OF DIFFERENT SIZED BARS TO BE THE LARGER OF Ld OF THE LARGER BAR OR SPLICE LENGTH OF THE SMALLER BAR.

1 TYPICAL LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE

SCALE: 3/4" = 1'-0" (01400)



NOTE:
TIES AND CROSSTIES FOR SHEAR WALL BOUNDARY ELEMENTS SHALL BE DETAILED AS COLUMN TIES/CROSSTIES.

5 STANDARD HOOKS AND BENDS

SCALE: 3/4" = 1'-0" (03400)

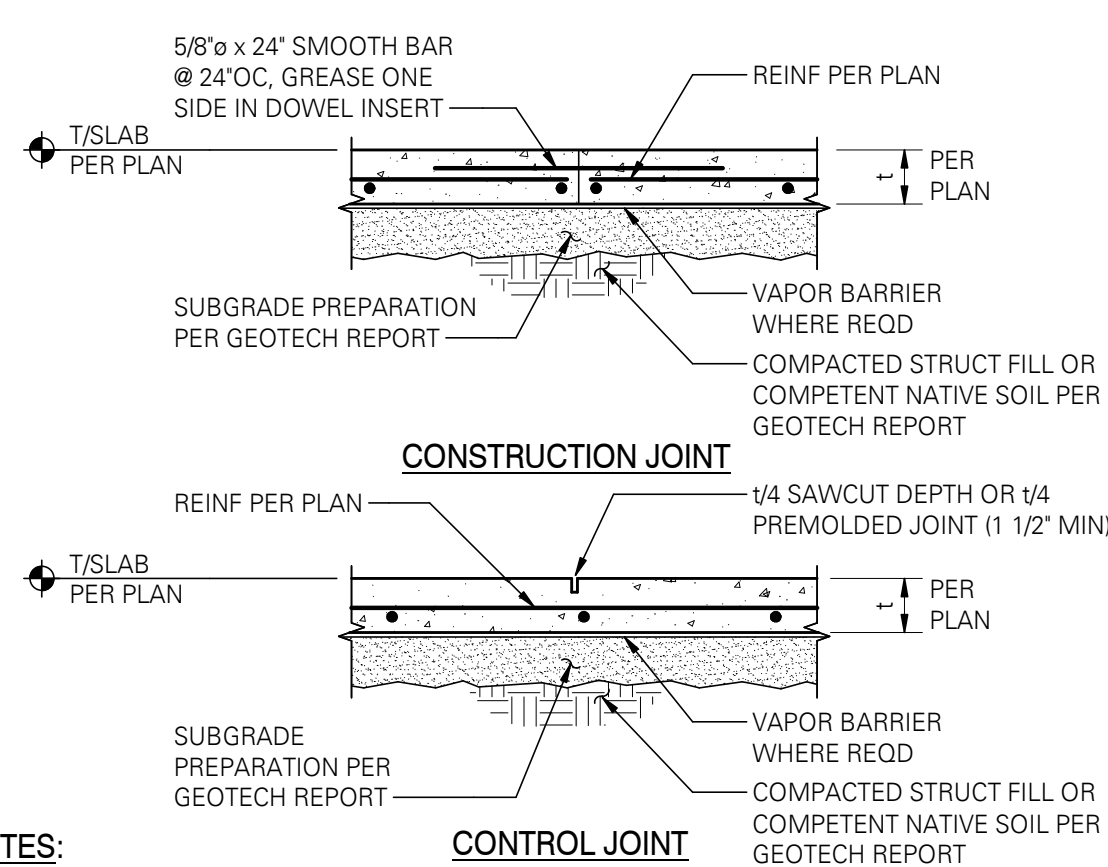
01901 TYPICAL ANCHOR BOLT SCHEDULE							
INSTALLATION TYPE	CAST-IN-PLACE (PRE-AUTHORIZED) [2]			DRILL-IN OPTIONS (SUBMITTAL REQUIRED) [3]			
	BOLT TYPE	STANDARD J-BOLT	HEADED ANCHOR	THREADED ROD ANCHOR	SIMPSON 'SSTB' ANCHOR BOLT	ADHESIVE ANCHOR	EXPANSION ANCHOR
EMBEDMENT REQUIREMENTS	7.1/2"	12x DIA.	1/4" MIN	TACK	PER MFR	NOTE [4]	NOTE [4]
	LIMITS	5/8"Ø MAX	5/8"Ø THRU 2 1/2"Ø	FOR WOOD FRAME ONLY	5/8"Ø THRU 1'Ø		

DIA = ANCHOR BOLT DIAMETER (NOMINAL)

- NOTES:**
- CONTRACTOR SHALL DETERMINE THE REQUIRED THREAD PROJECTION SUITABLE FOR THE THICKNESS OF MATERIAL BEING FASTENED PLUS GROUT ALLOWANCE, IF ANY, AND CONSTRUCTION TOLERANCES, UNO.
 - CONTRACTOR MAY SELECT APPROPRIATE CAST-IN-PLACE ANCHOR BOLT OPTION WITHOUT SUBMITTAL.
 - DRILL-IN OPTIONS ARE NOT APPROPRIATE AT ALL CONDITIONS. IF DRILL-IN METHOD IS PREFERRED, SUBMIT MANUFACTURER'S INFORMATION, ALLOWABLE LOAD VS EMBEDMENT DATA AND LOCATIONS OF WHERE SUBSTITUTIONS ARE REQUESTED. ENGINEER WILL DETERMINE IF SUBSTITUTION IS APPROPRIATE FOR LOCATION AND LOADING.
 - EMBEDMENT OF DRILL-IN ANCHORS SHALL BE PER ENGINEER'S SUBMITTAL REVIEW COMMENTS. EMBEDMENT SHALL BE (9) NINE TIMES THE NOMINAL ANCHOR DIAMETER, UNO.
 - AT PRESSURE TREATED SILLS, PROVIDE HOT-DIPPED GALVANIZED OR STAINLESS STEEL ANCHORS.

9 TYPICAL ANCHOR BOLT SCHEDULE

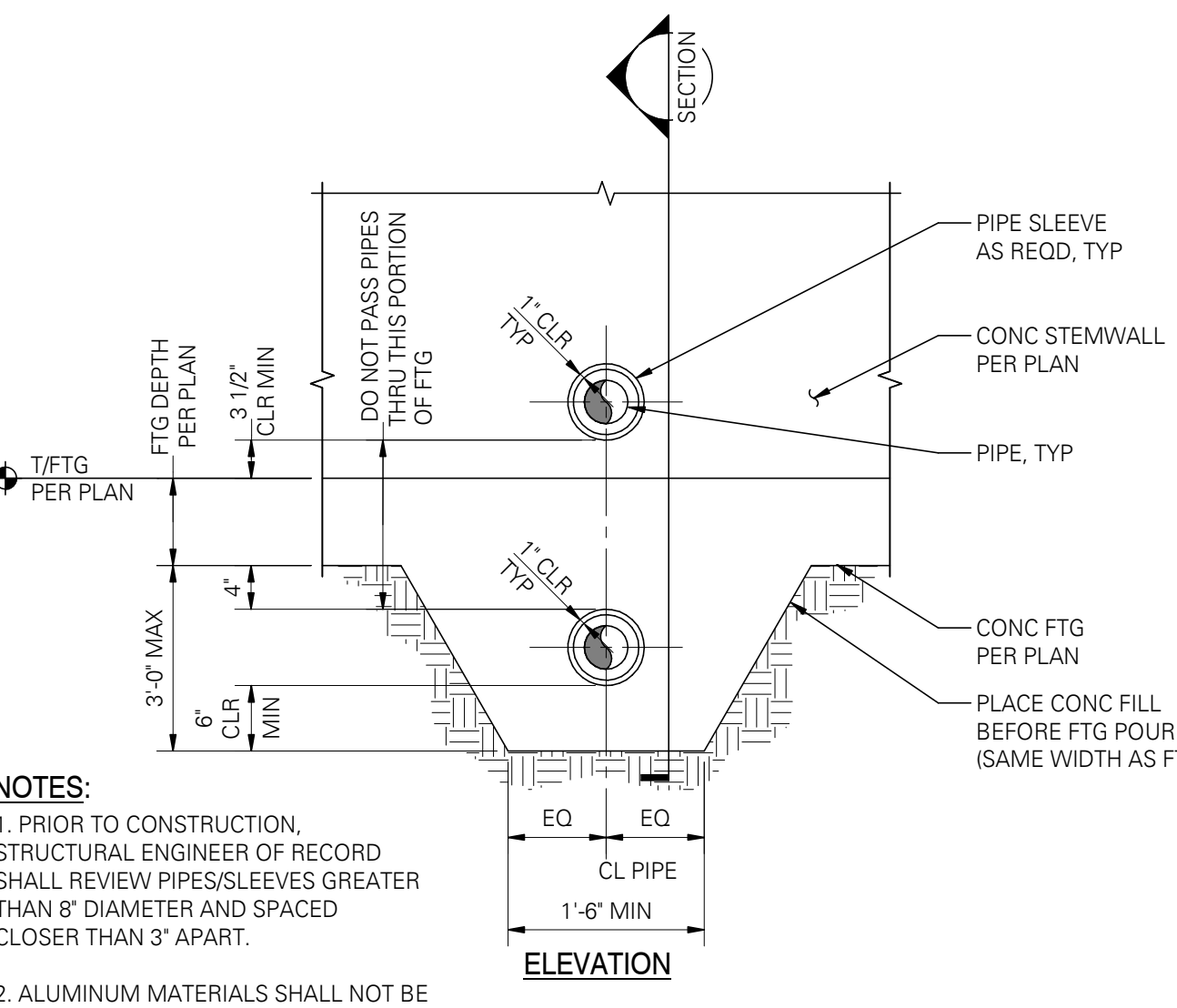
SCALE: 1" = 1'-0" (01901)



- NOTES:**
- CONSTRUCTION JOINT IS A JOINT BETWEEN DIFFERENT POURS. CONTROL JOINT IS A CRACK CONTROL JOINT WITHIN THE SAME POUR.
 - USE "EARLY ENTRY DRY-CUT SAW" AS SOON AS POSSIBLE WITHOUT CAUSING RAVELING OF CONCRETE EDGES. SAWCUT ALONG SHORT DIRECTION OF POUR FIRST.
 - ALIGN A CONSTRUCTION OR CONTROL JOINT WITH RE-ENTRANT SLAB CORNERS, EACH WAY, TYPICAL.
 - CONSTRUCTION/CONTROL JOINT TO ENCLOSE APPROXIMATE SQUARE AREAS 225 SQUARE FEET MAXIMUM, WITH MAXIMUM PANEL ASPECT RATIO OF 1.3 TO 1.0.
 - CONTRACTOR TO SUBMIT CONSTRUCTION/CONTROL JOINT PLAN TO STRUCTURAL ENGINEER OF RECORD FOR REVIEW/APPROVAL.

2 TYPICAL SLAB ON GRADE JOINT DETAILS WITH REINFORCING

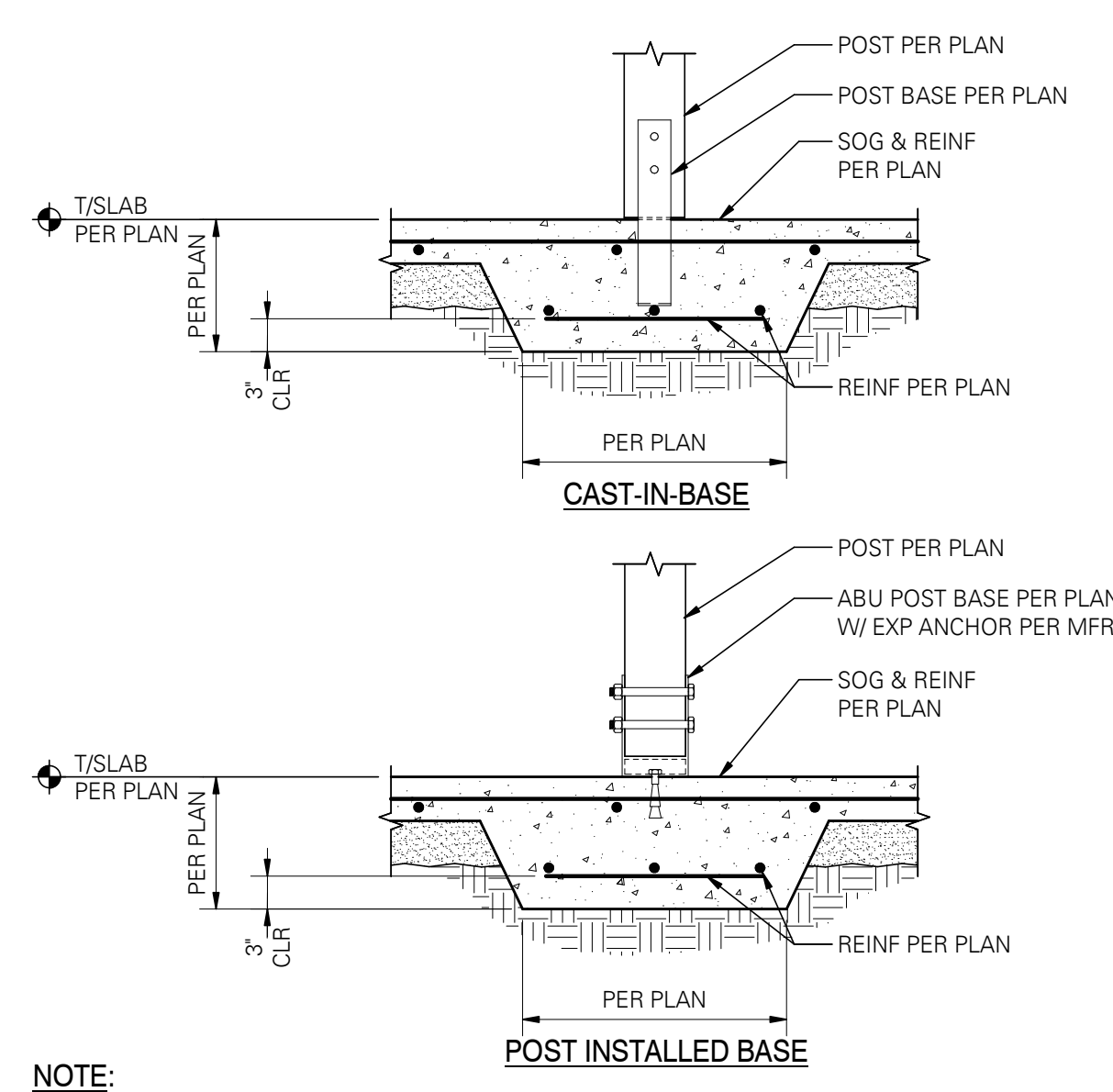
SCALE: 3/4" = 1'-0" (03201)



- NOTES:**
- USE 5/8"Ø ANCHOR BOLTS WITH 7" MINIMUM EMBEDMENT INTO CONCRETE SLAB.
 - EACH SILL PLATE PIECE SHALL HAVE (2) BOLTS MINIMUM. HOLD-DOWN ANCHORS ARE NOT TO BE CONSIDERED AN ANCHOR BOLT.
 - LOCATE BOLTS WITHIN 1'-0" OF SILL PLATE PIECE ENDS AND AT 6'-0"OC MAXIMUM.
 - USE PLATE WASHER PER SHEAR WALL SCHEDULE AT EACH BOLT. STANDARD CUT WASHERS ARE ACCEPTABLE AT NON-SHEAR WALLS.
 - DO NOT DRILL OVERSIZE HOLES THRU SILL PLATE. USE 11/16"Ø DRILL BIT.
 - SILL PLATE THICKNESS AND FASTENING AT SHEAR WALLS PER SHEAR WALL SCHEDULE.

3 TYPICAL SILL PLATE ANCHORAGE TO CONCRETE

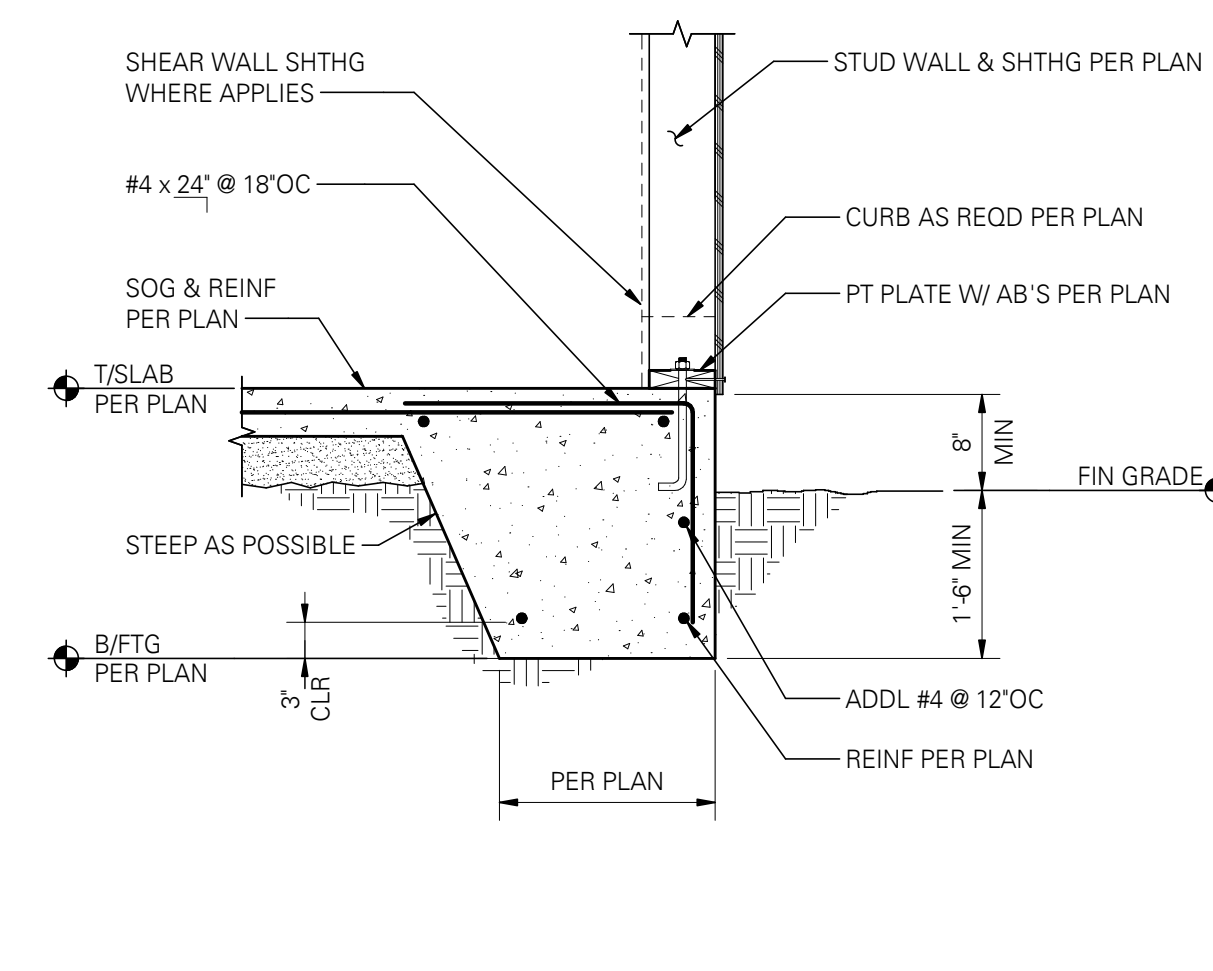
SCALE: 1" = 1'-0" (06910)



- NOTE:**
COLD JOINT BETWEEN FOOTING AND SLAB NOT PERMITTED.

4 INTERIOR THICKENED SLAB FOOTING AT WOOD POST

SCALE: 3/4" = 1'-0" (03010)

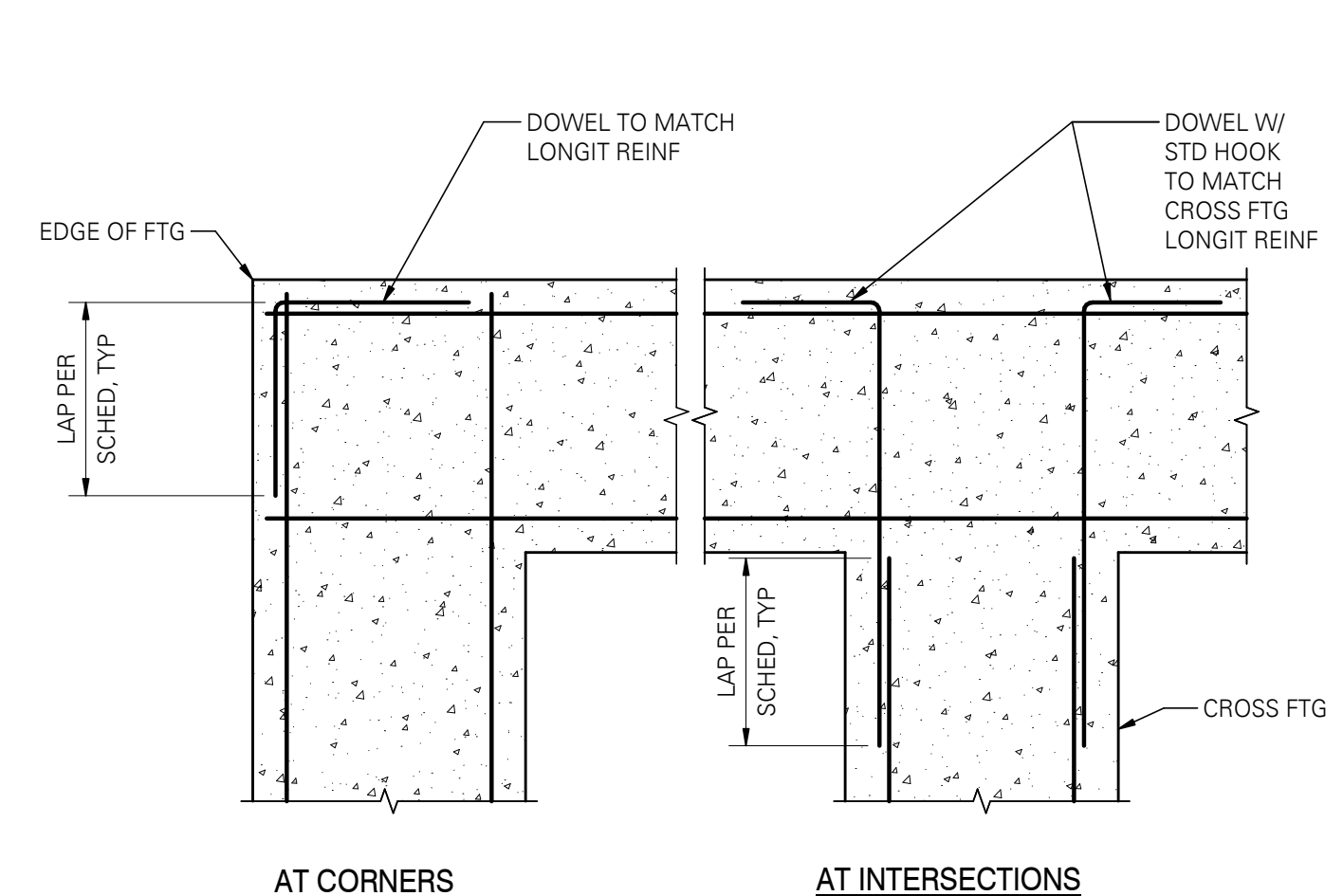


8 EXTERIOR THICKENED SLAB EDGE FOOTING AT STUD WALL

SCALE: 3/4" = 1'-0" (03030)

6 TYPICAL PIPE AND TRENCH LOCATIONS AT CONCRETE STEMWALL/FOOTING

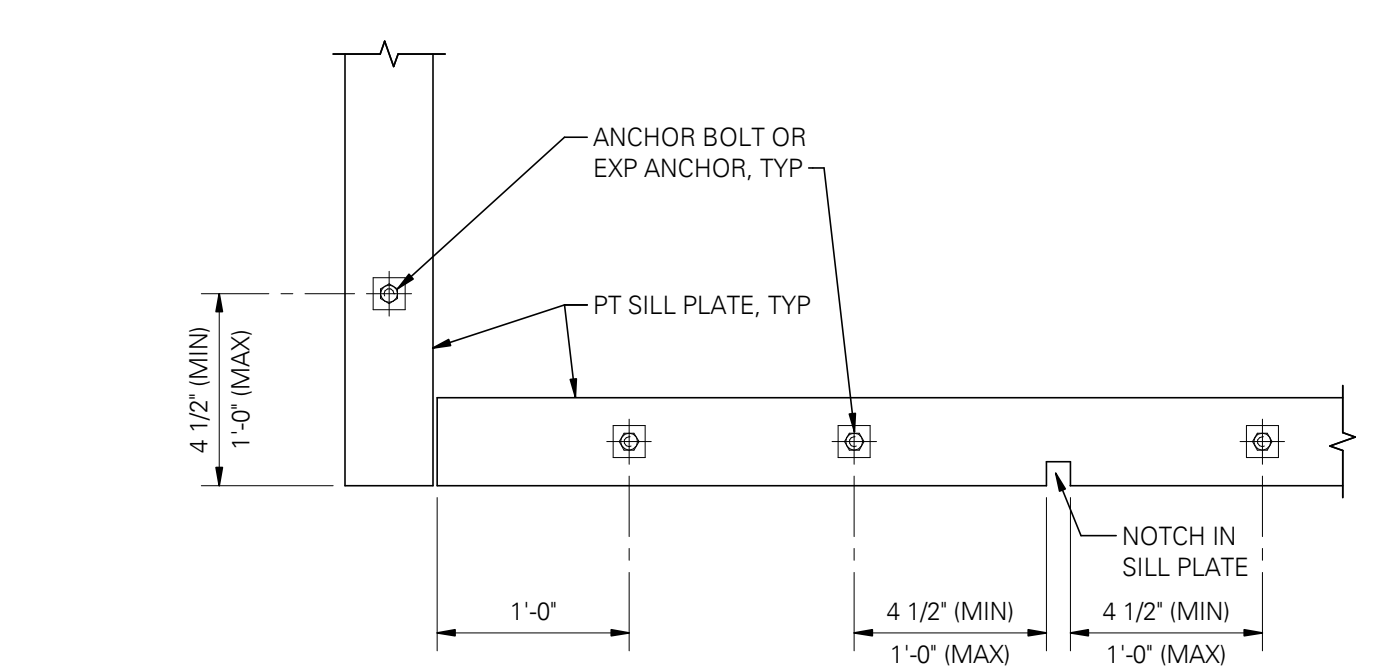
SCALE: 3/4" = 1'-0" (03190)



- NOTE:**
- SPLICE LENGTHS PER LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE.
 - FOOTING REINFORCING PER PLAN OR ELEVATIONS, SECTIONS AND DETAILS.

10 PLAN - TYPICAL CORNER REINFORCING AT CONCRETE FOOTINGS

SCALE: 3/4" = 1'-0" (03132)



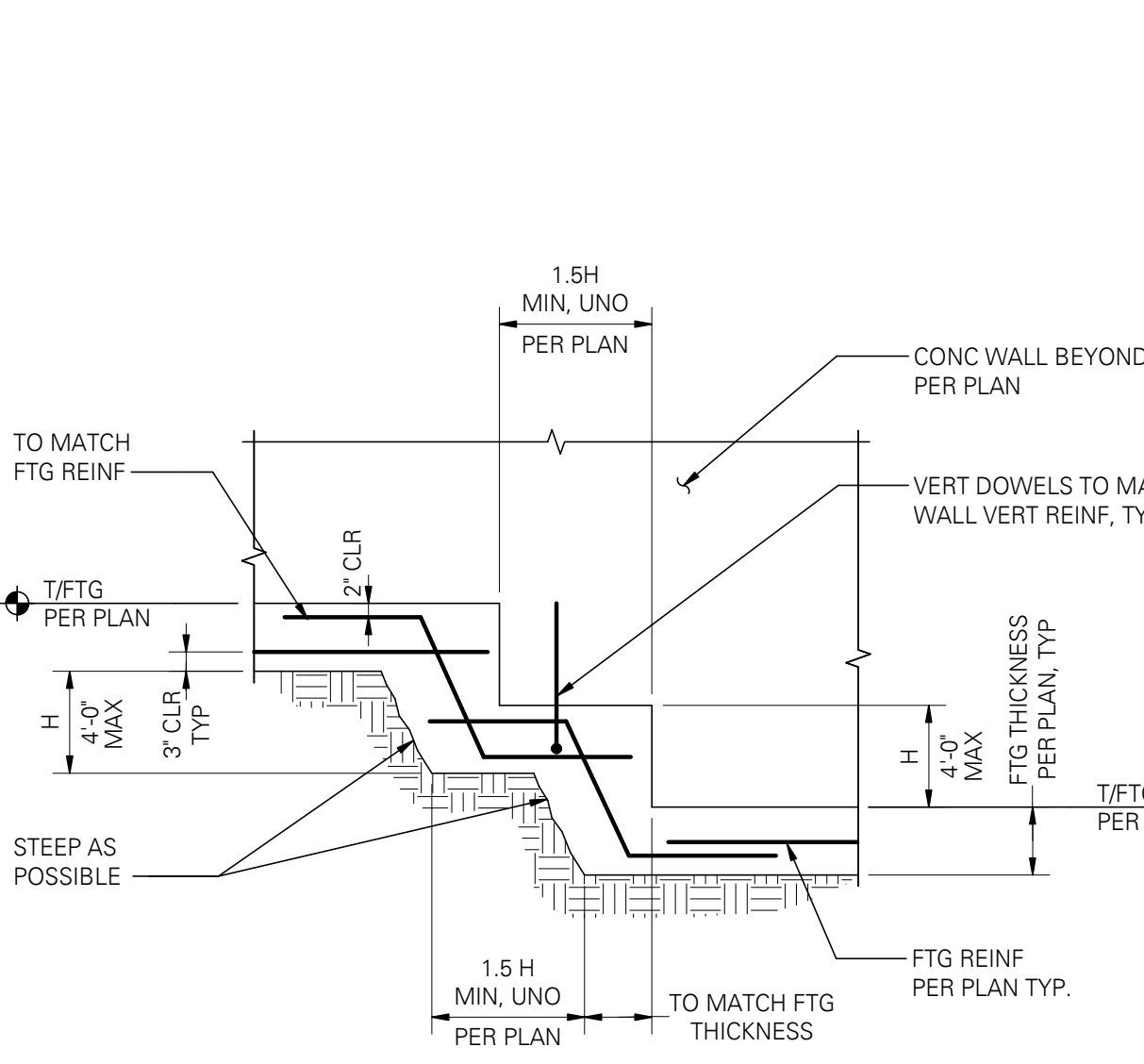
- NOTES:**
- USE 5/8"Ø ANCHOR BOLT PER 3/54.1.
 - EACH SILL PLATE PIECE SHALL HAVE (2) BOLTS MINIMUM. HOLD-DOWN ANCHORS ARE NOT TO BE CONSIDERED AN ANCHOR BOLT.
 - LOCATE BOLTS WITHIN 1'-0" OF SILL PLATE PIECE ENDS AND AT 6'-0"OC MAXIMUM.
 - USE PLATE WASHER PER SHEAR WALL SCHEDULE AT EACH BOLT. STANDARD CUT WASHERS ARE ACCEPTABLE AT NON-SHEAR WALLS.
 - DO NOT DRILL OVERSIZE HOLES THRU SILL PLATE. USE 11/16"Ø DRILL BIT.
 - SILL PLATE THICKNESS AND FASTENING AT SHEAR WALLS PER SHEAR WALL SCHEDULE.

11 PLAN - TYPICAL SILL PLATE ANCHORAGE TO CONCRETE

SCALE: 1" = 1'-0" (06911)

12 TYPICAL STEPPED FOOTING

SCALE: 3/4" = 1'-0" (03140)



PREPARED BY: **DDC ENGINEERS**
 921 SW Washington Street, Suite 500
 Portland, Oregon 97205 www.ddc-engineers.com
 P: (503) 242-2448
 CIVIL / STRUCTURAL
 © 2009 DDC ENGINEERS. All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of DDC ENGINEERS.

FOR PERMIT
 The Contractor shall not use these drawings for construction until Contractor receives written approval for use in construction by the authority having jurisdiction and DDC Engineers.

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER
 74868PE
 Signature: *Tracy Clift*
 MARCH 28, 2011
SHIRLEY CHALUPA
 OREGON
 EXPIRES: 12-31-23

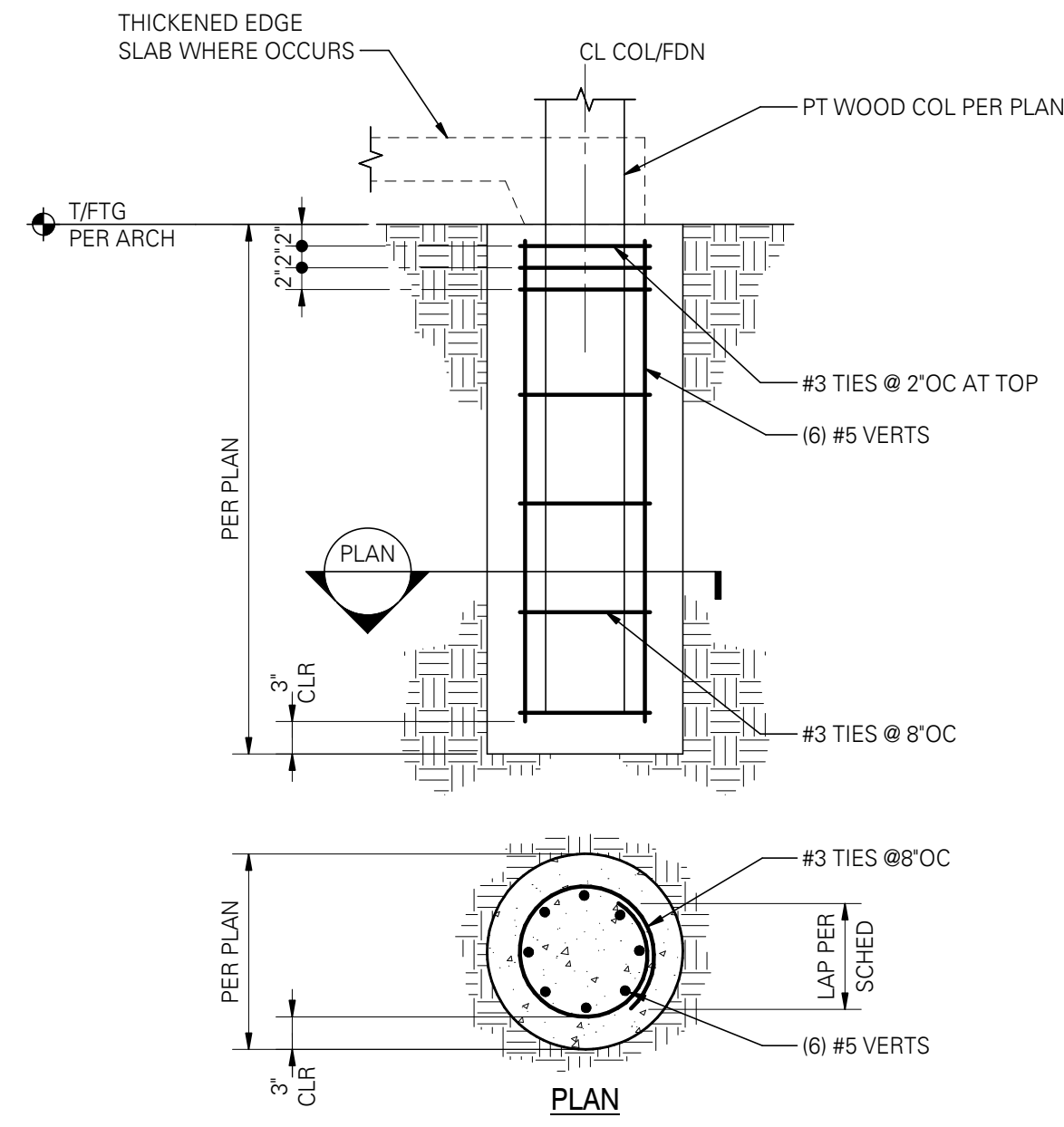
REVISIONS:	NO.	DATE	DESCRIPTION

APPROVALS:	Job No.:	Proj. Manager:	Drawn:	Reviewed:	Dwg. Chk.:	Date:	Scale:
	2303-0048	TY	VP	TY	SC	04/26/23	AS NOTED

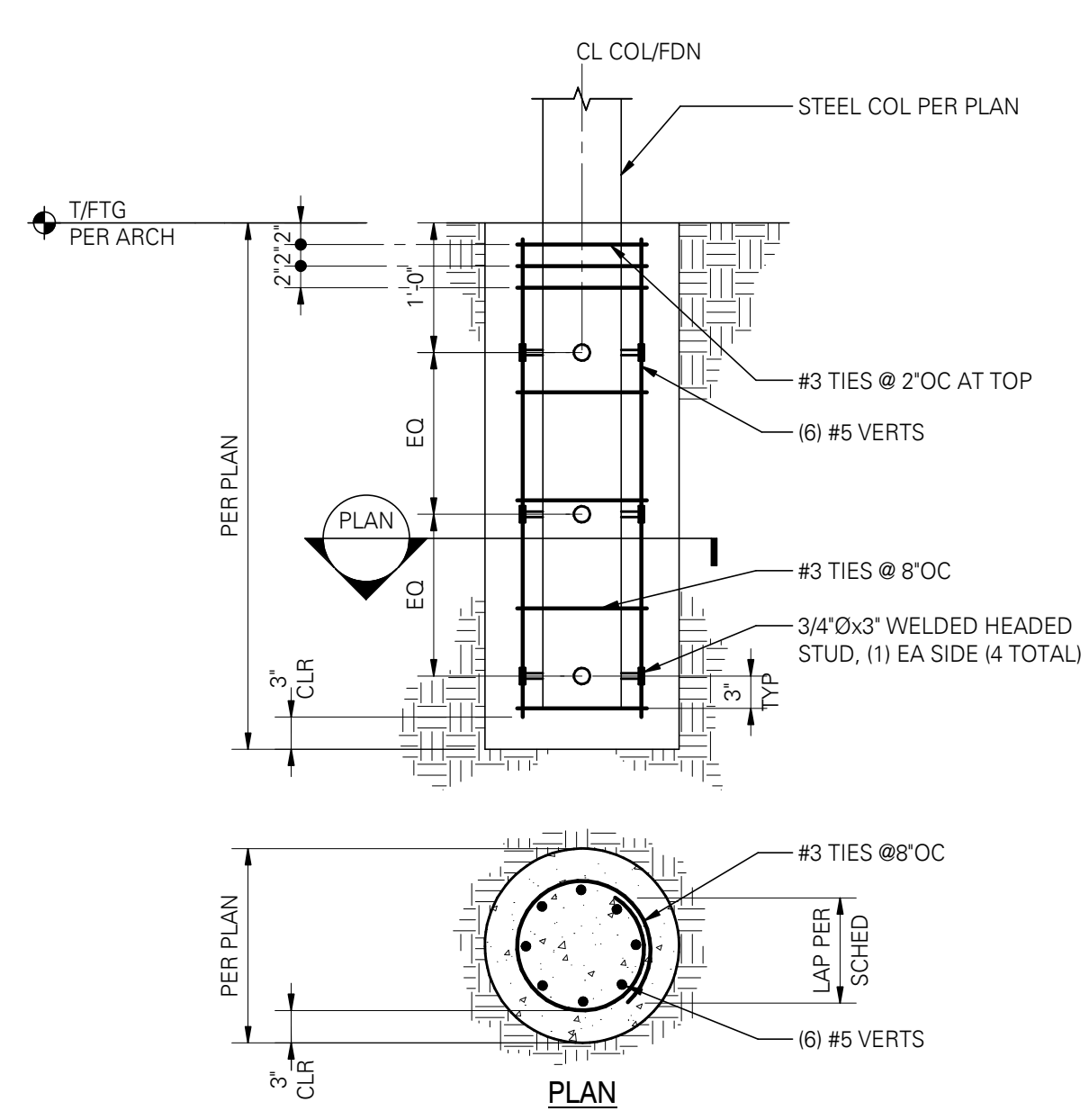
PROJECT TITLE:
MHS SOFTBALL BATTING CAGE STRUCTURE
COOS BAY SCHOOL DISTRICT
S. 10TH & INGERSOLL ST.
COOS BAY, OR 97420

SHEET TITLE:
 STRUCTURAL - CONCRETE DETAILS

SHEET NO.
S4.1



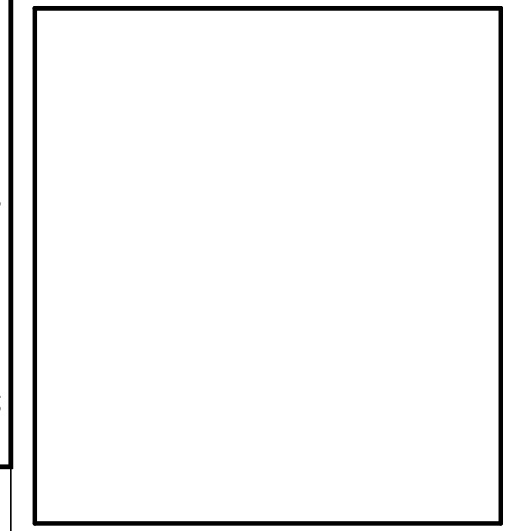
1 TYPICAL WOOD POST FOUNDATION
SCALE: 3/4" = 1'-0" (03192M)



2 TYPICAL STEEL POST FOUNDATION
SCALE: 3/4" = 1'-0" (03192M)

FOR PERMIT
The Contractor shall not use these drawings for construction until Contractor receives written approval for use in construction by the authority having jurisdiction and DCI Engineers.

PREPARED BY:
DCI ENGINEERS
921 SW Washington Street, Suite 500
Portland, Oregon 97205 www.dci-engineers.com
P: (503) 242-2448
© The Engineer and Contractor shall retain the right to alter or modify these drawings without any responsibility to the other party.



SIGNATURE:
July Chalf
REGISTERED PROFESSIONAL ENGINEER
74868PE
OREGON
MARCH 28, 2011
SHIRLEY CHALF
EXPIRES: 12-31-23

REVISIONS:	NO.	DATE	DESCRIPTION

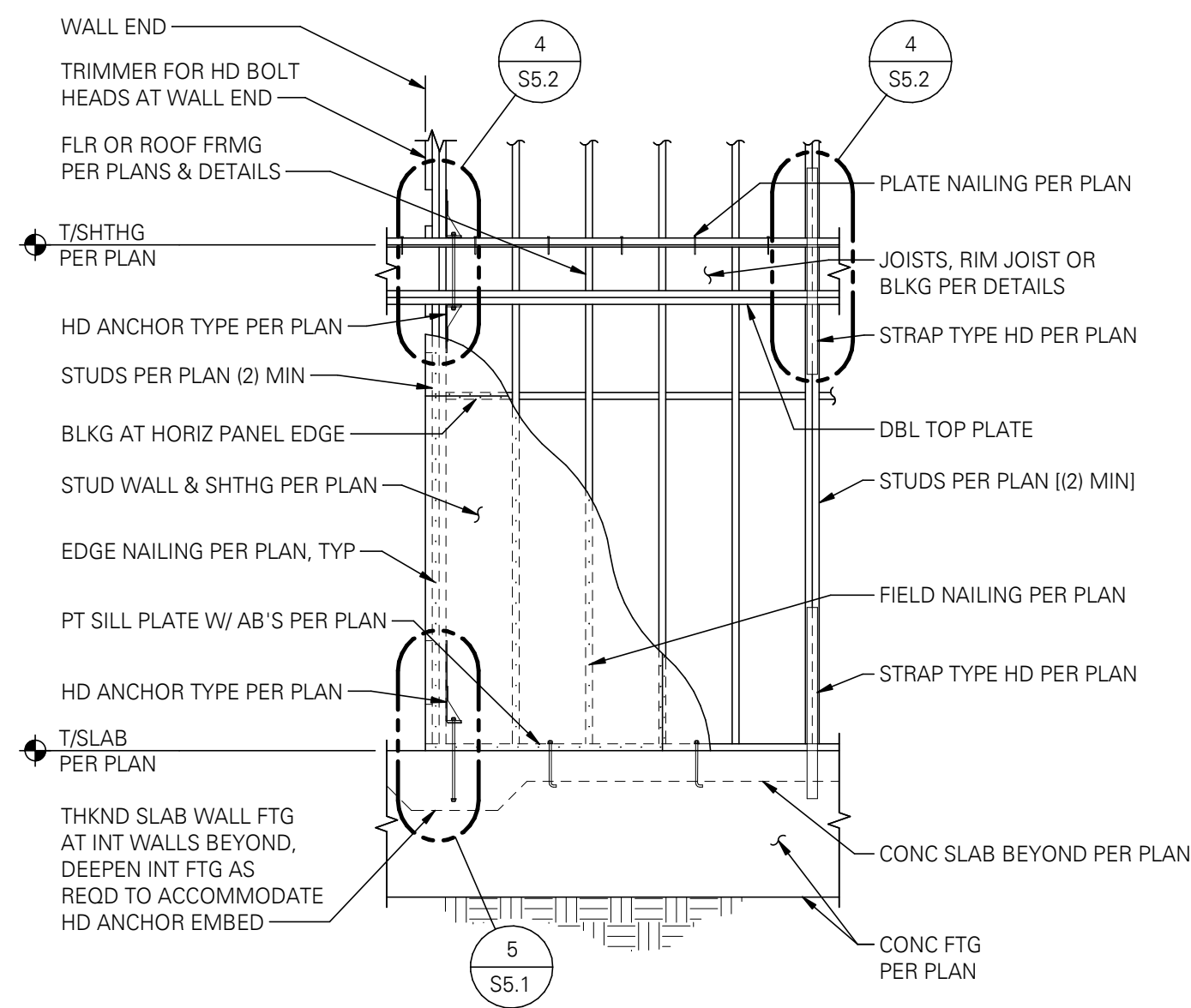
APPROVALS:

Job No.:	23031-004B
Proj. Manager:	TY
Drawn:	VP
Reviewed:	TY
Dwg. Chk.:	SC
Date:	04/26/23
Scale:	AS NOTED

PROJECT TITLE:
MHS SOFTBALL BATTING CAGE STRUCTURE
COOS BAY SCHOOL DISTRICT
S. 10TH & INGERSOLL ST.
COOS BAY, OR 97420

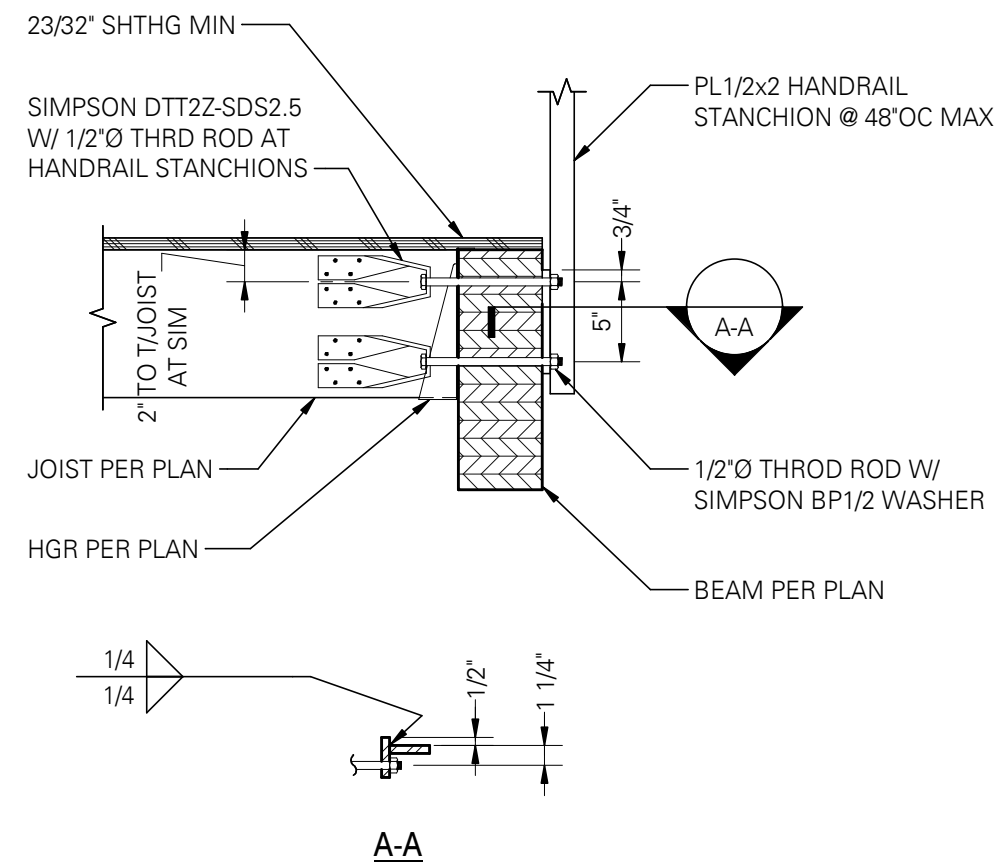
SHEET TITLE:
STRUCTURAL -
CONCRETE DETAILS

SHEET NO.
S4.2



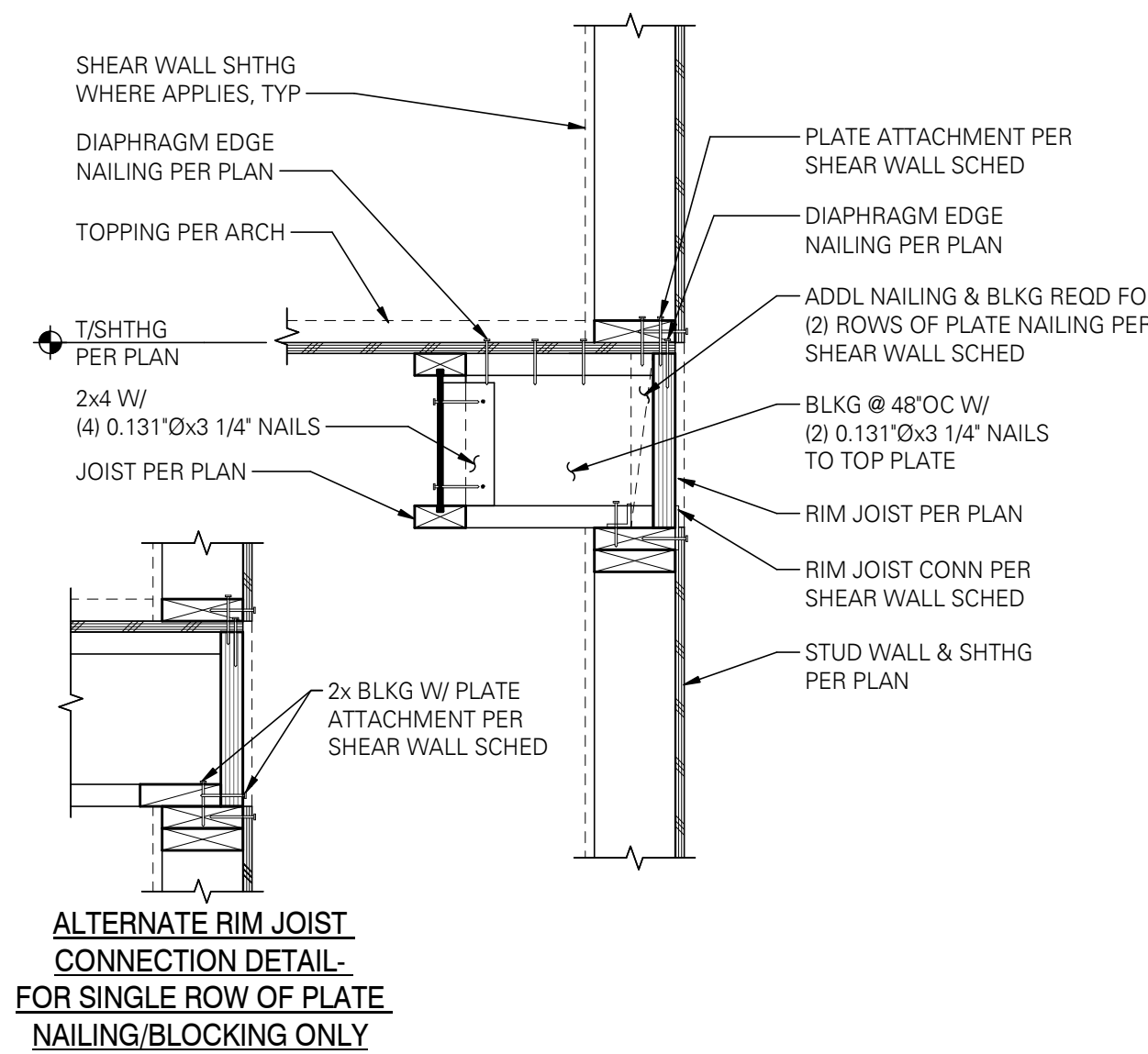
1 TYPICAL SHEAR WALL ELEVATION

SCALE: 1" = 1'-0" (06090)



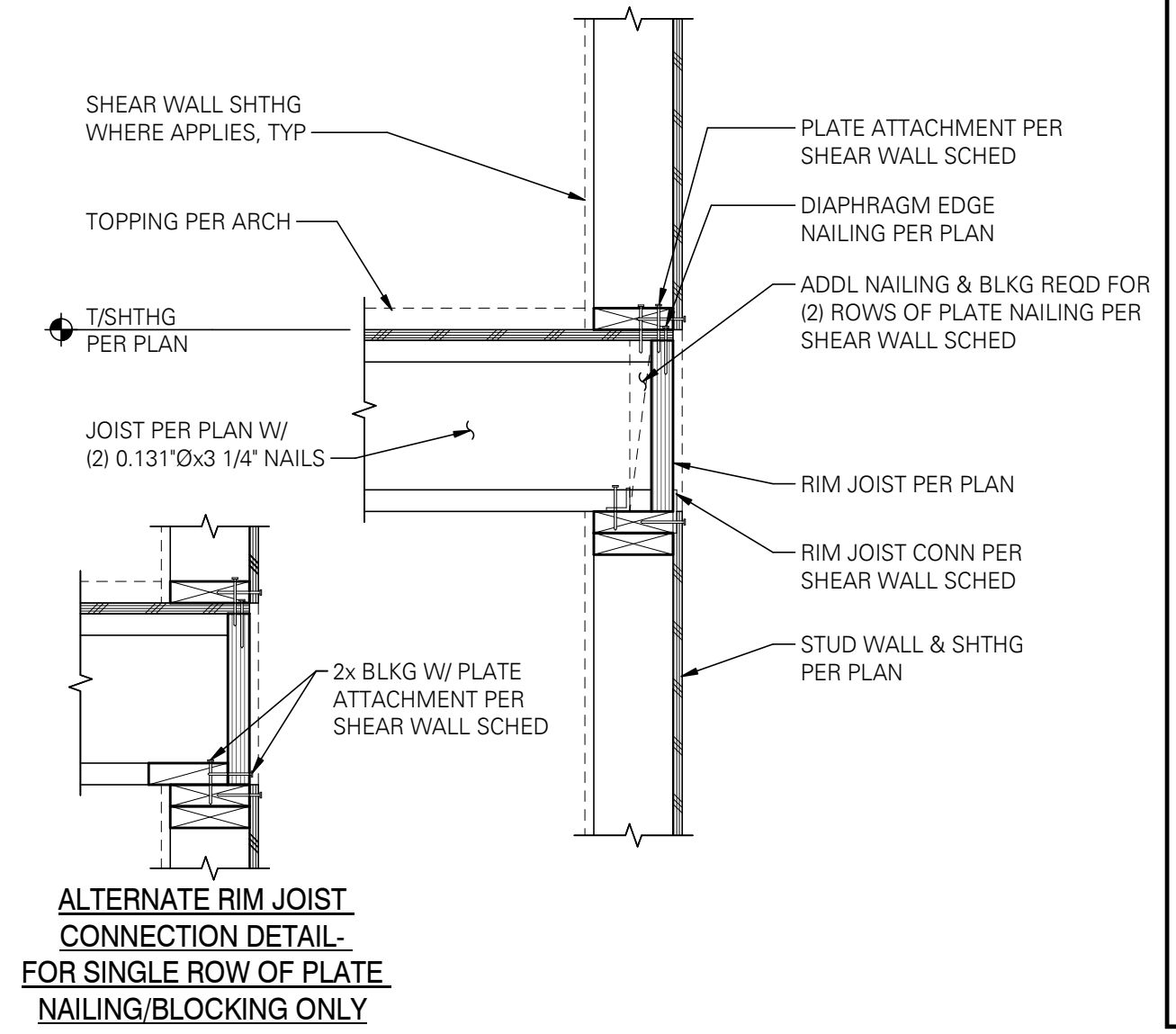
2 GUARDRAIL

SCALE: 1" = 1'-0" (06001)



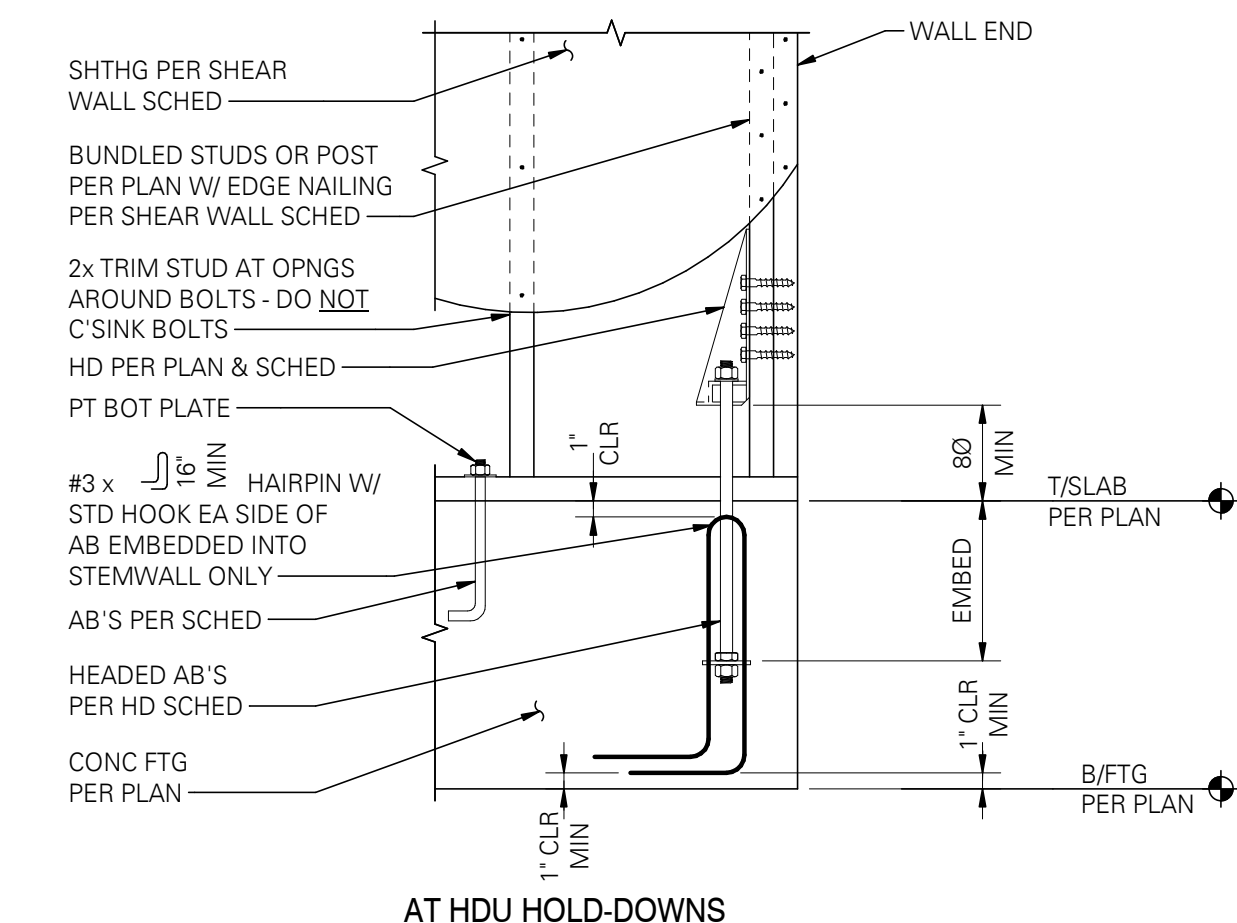
3 EXTERIOR WALL PARALLEL TO FLOOR JOISTS

SCALE: 1" = 1'-0" (06001)



4 EXTERIOR WALL PERPENDICULAR TO FLOOR JOISTS

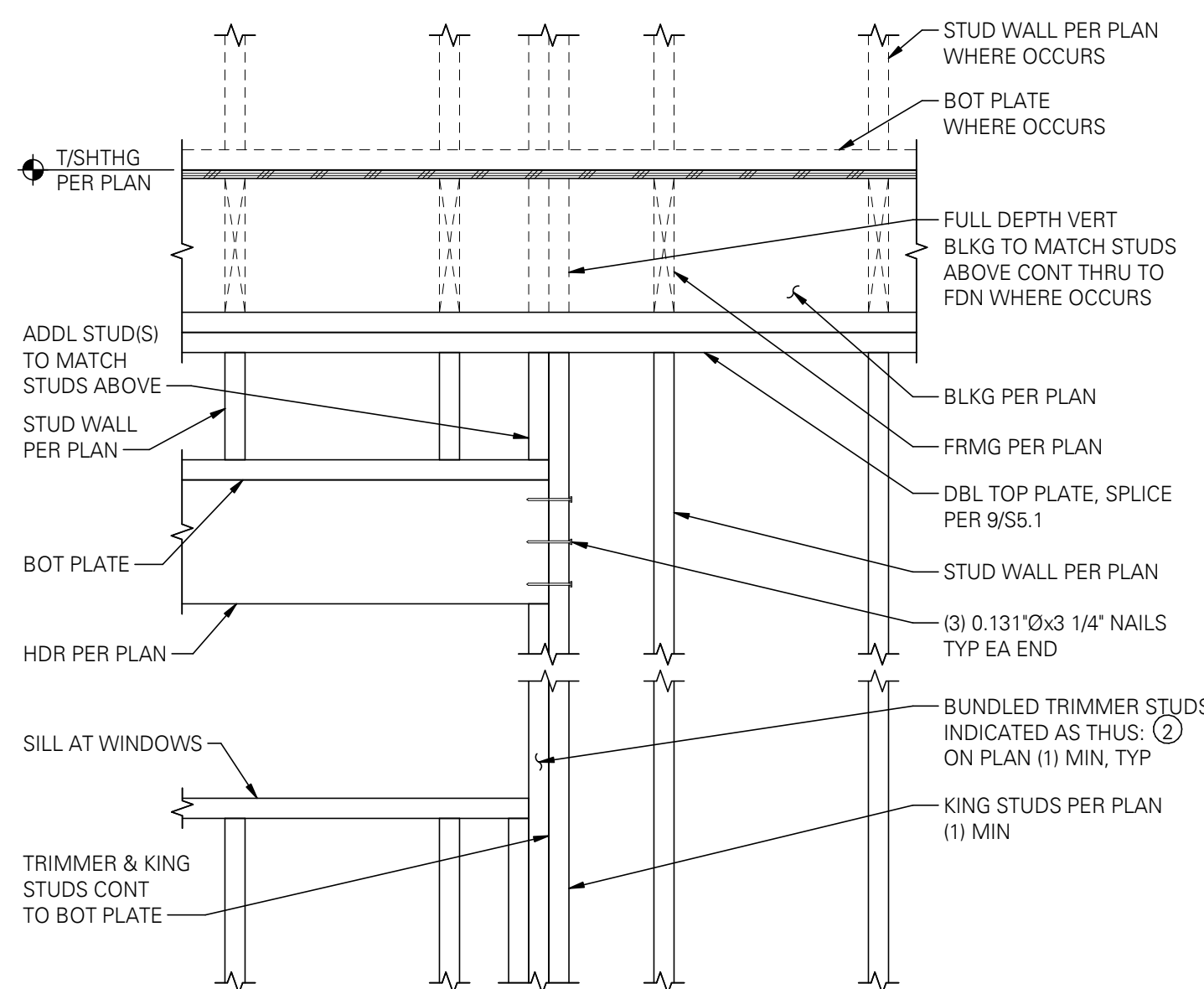
SCALE: 1" = 1'-0" (06002)



NOTES:
1. MINIMUM FOOTING SIZE FOR ANCHORS EMBEDDED INTO FOOTING IS 2x EMBED SQUARE WITH DEPTH AS INDICATED.

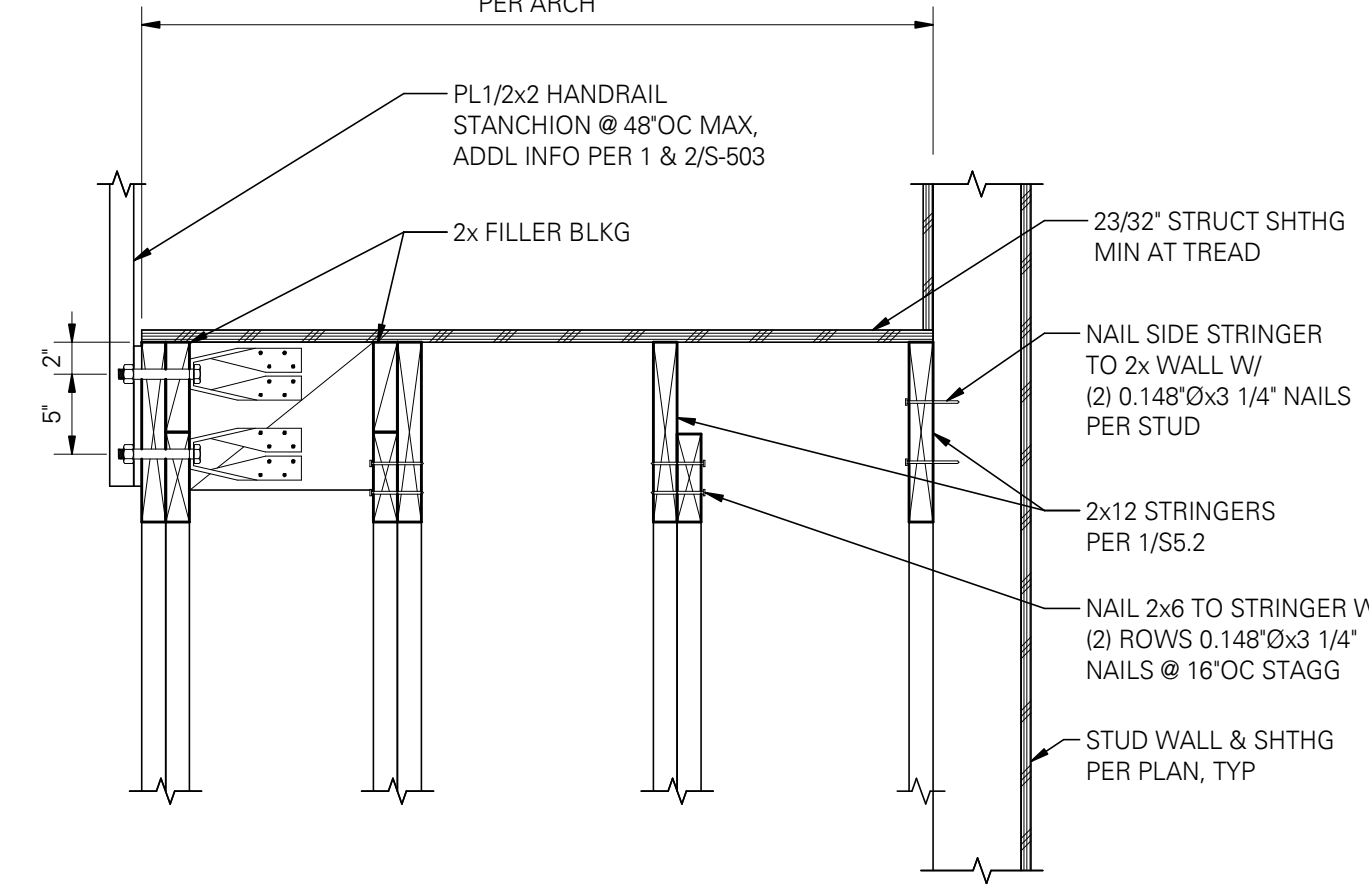
5 TYPICAL HOLD-DOWN AT FOUNDATION

SCALE: 1" = 1'-0" (06091M)



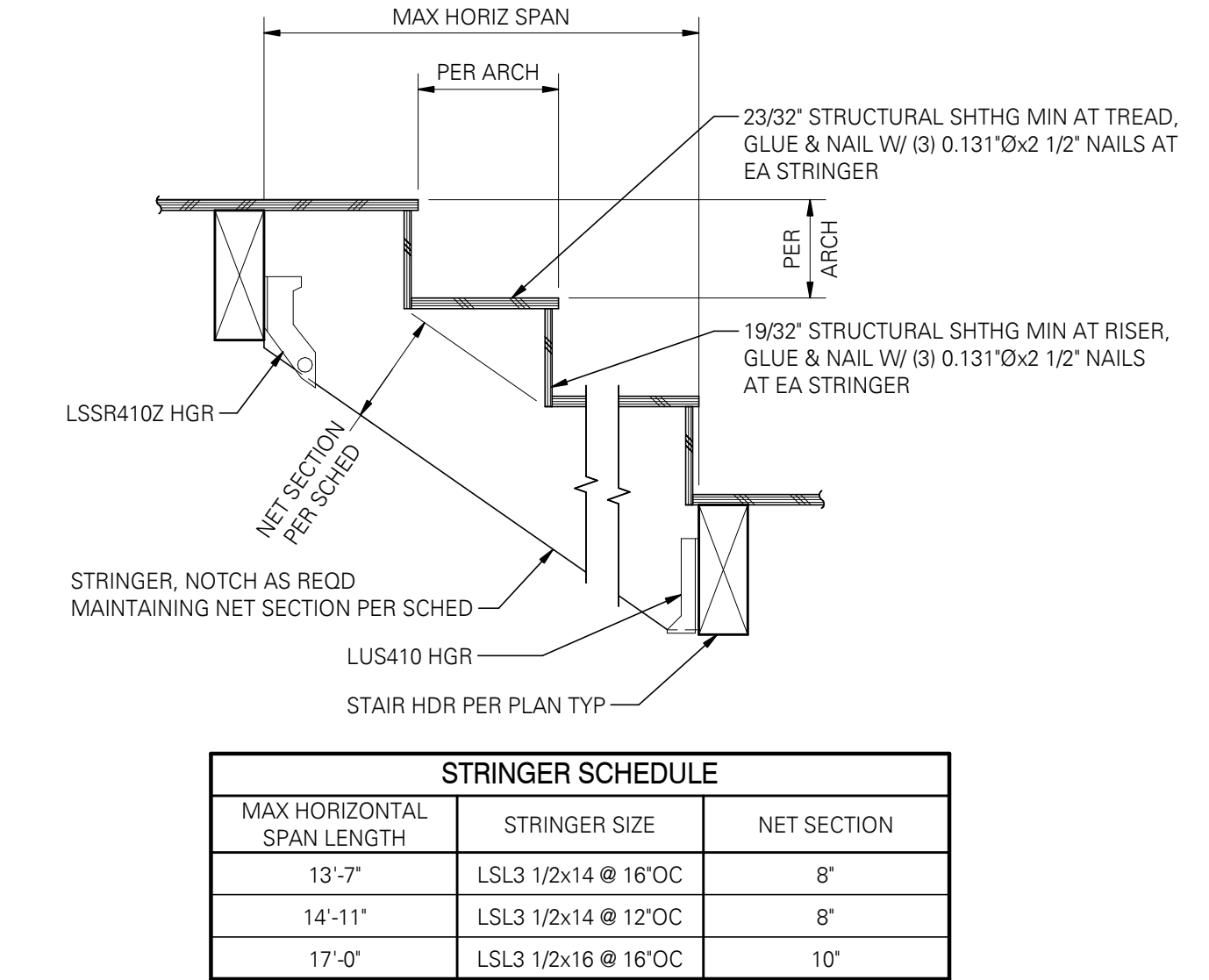
6 TYPICAL HEADER

SCALE: 1" = 1'-0" (06210)



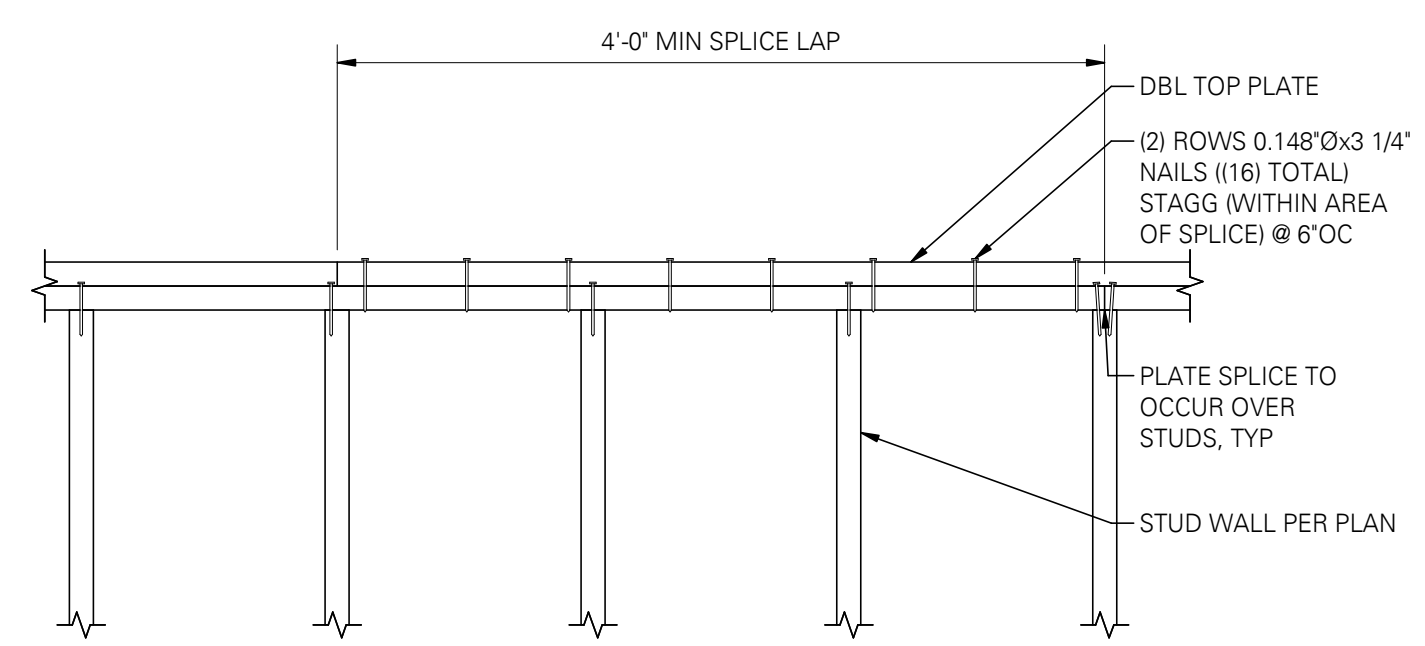
7 TYPICAL INTERIOR STAIRWAY SECTION AT SLOPED STRINGERS

SCALE: 1" = 1'-0" (06301M)



8 TYPICAL INTERIOR STAIRWAY STRINGER DETAILS AND SPANS

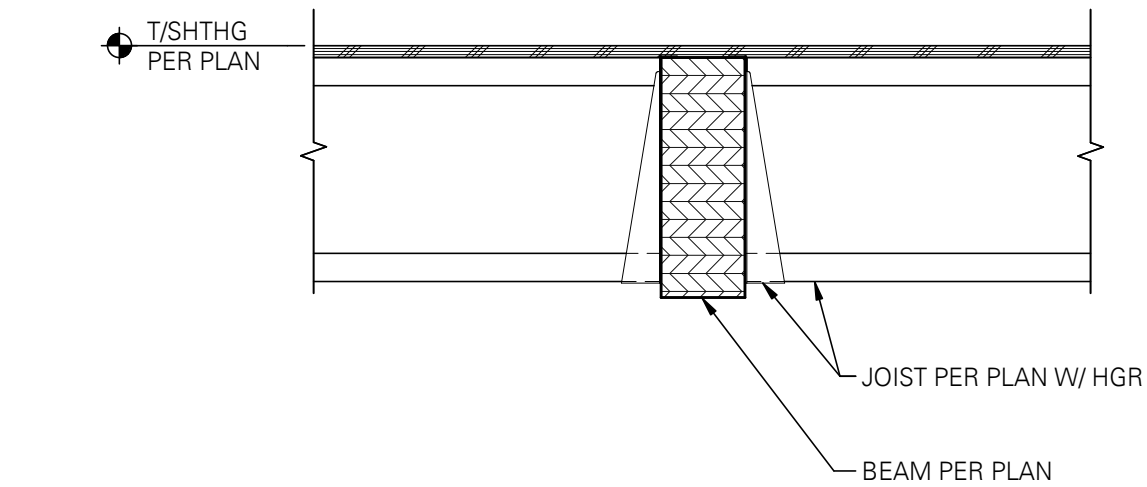
SCALE: 1" = 1'-0" (06302)



NOTE:
FLOOR/ROOF JOISTS NOT SHOWN FOR CLARITY.

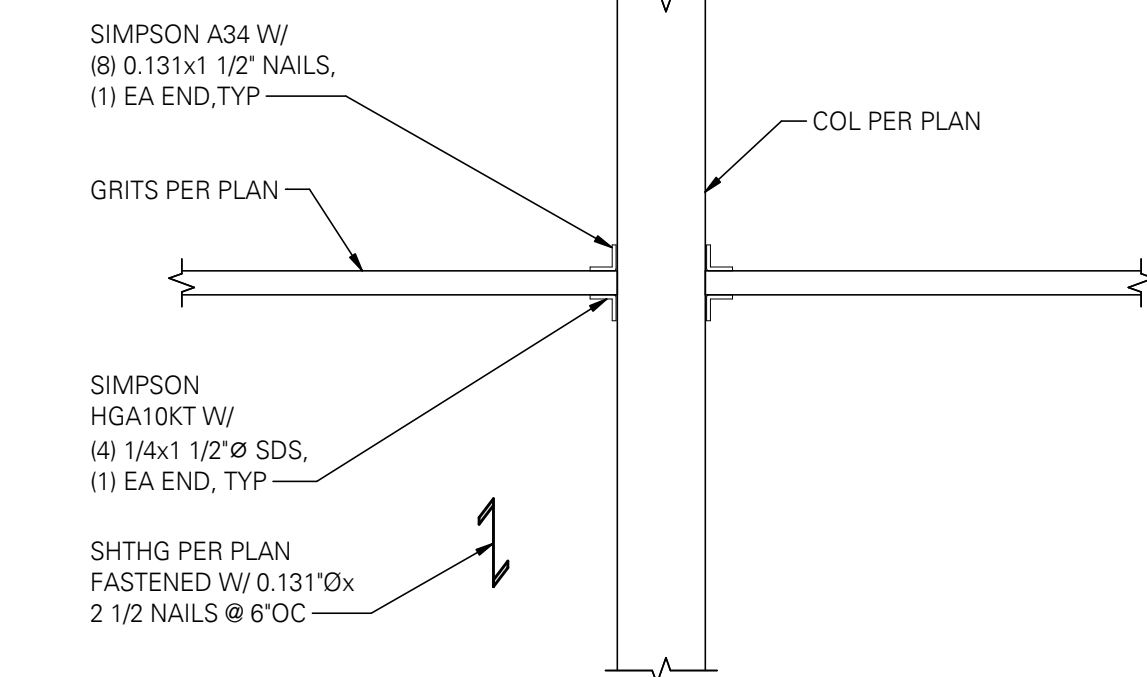
9 TYPICAL PLATE SPLICE DETAIL

SCALE: 1" = 1'-0" (06094)



10 TYPICAL JOIST TO BEAM CONNECTION

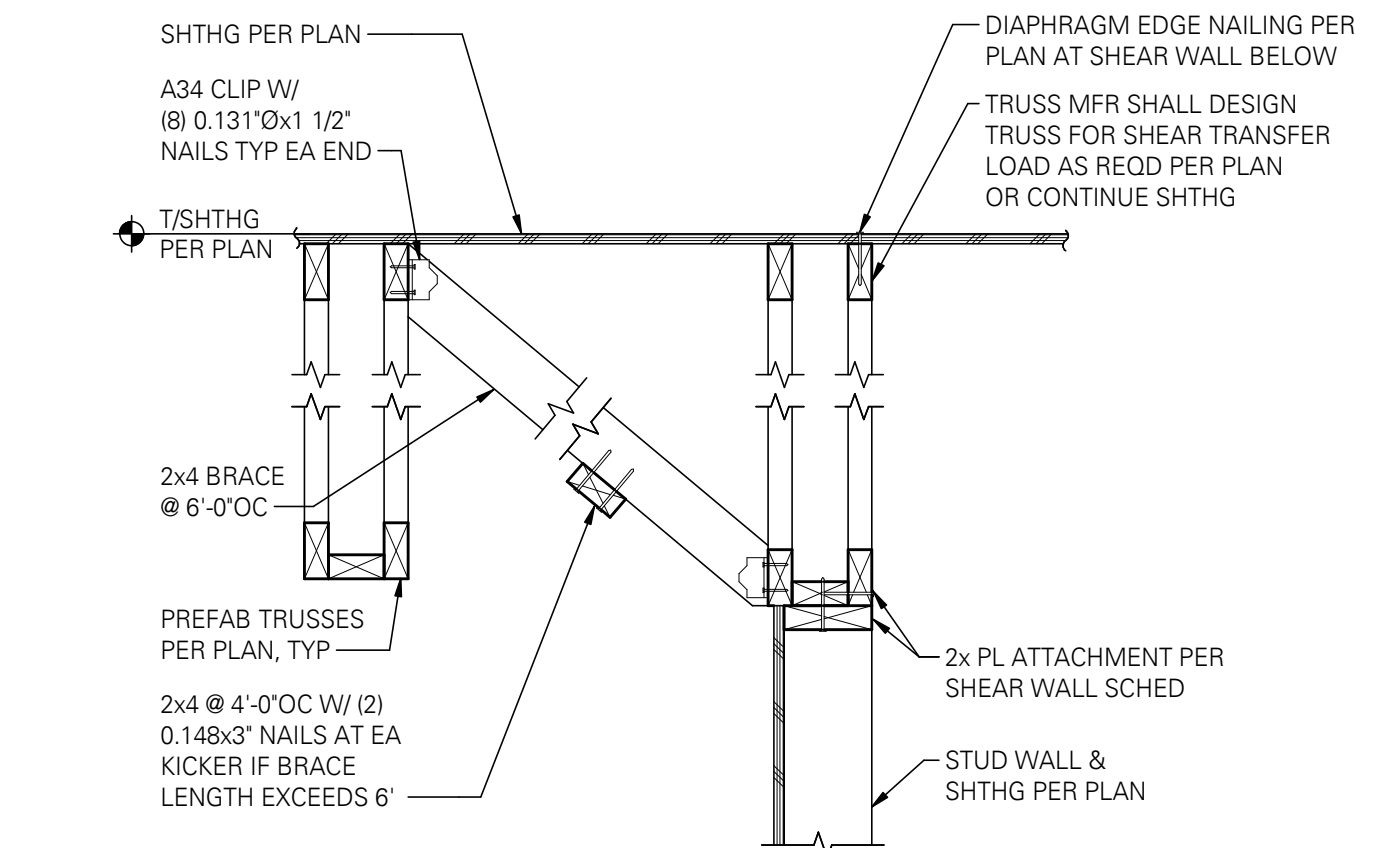
SCALE: 1" = 1'-0" (06204)



NOTE:
GIRTS ARE NOT REQUIRED WHERE WOOD WALL FRAMING IS PROVIDED BETWEEN POSTS.

11 TYPICAL COLUMN TO GIRT CONNECTION

SCALE: 1" = 1'-0" (06204)



NOTE:
IF NO SHEAR TRANSFER LOAD IS INDICATED ON PLAN, TRUSS MANUFACTURER SHALL PROVIDE TRUSSES WITH VERTICALS @ 24'OC MAXIMUM WITH SHEATHING AND NAILING TO MATCH SHEAR WALL WHERE INDICATED BELOW. COORDINATE VENTING REQUIREMENTS WITH ARCHITECT AND STRUCTURAL ENGINEER. BLOCK PANEL EDGES PER SHEAR WALL SCHEDULE AS REQUIRED.

12 INTERIOR WALL PARALLEL TO ROOF TRUSSES

SCALE: 1" = 1'-0" (06074M)

FOR PERMIT
The Contractor shall not use these drawings for construction until Contractor receives written approval for use in construction by the authority having jurisdiction and DCI Engineers.

PREPARED BY:
DCI ENGINEERS
921 SW Washington Street, Suite 500
Portland, Oregon 97205
P: (503) 242-2448 www.dci-engineers.com
CIVIL / STRUCTURAL

SIGNATURE:
July Clif
REGISTERED PROFESSIONAL ENGINEER
74888PE
OREGON
MARCH 28, 2011
SHIRLEY CHALUPA
EXPIRES: 12-31-23

REVISIONS:

NO.	DATE	DESCRIPTION

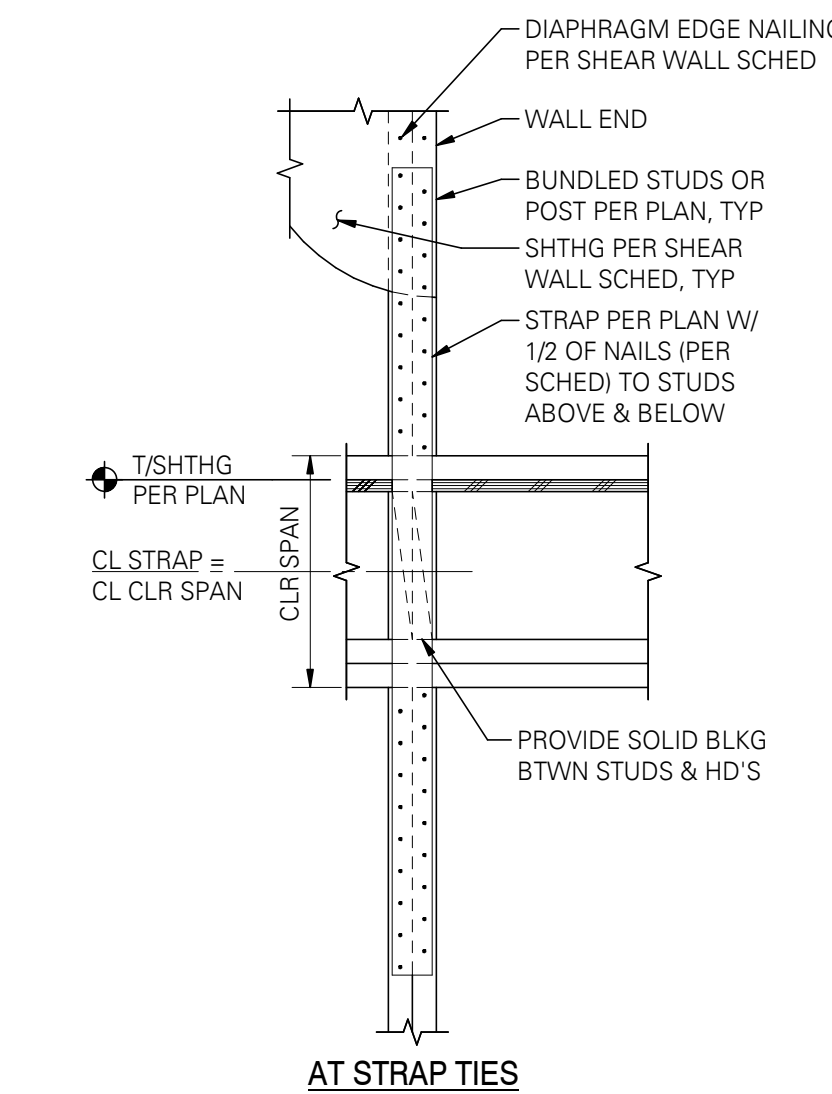
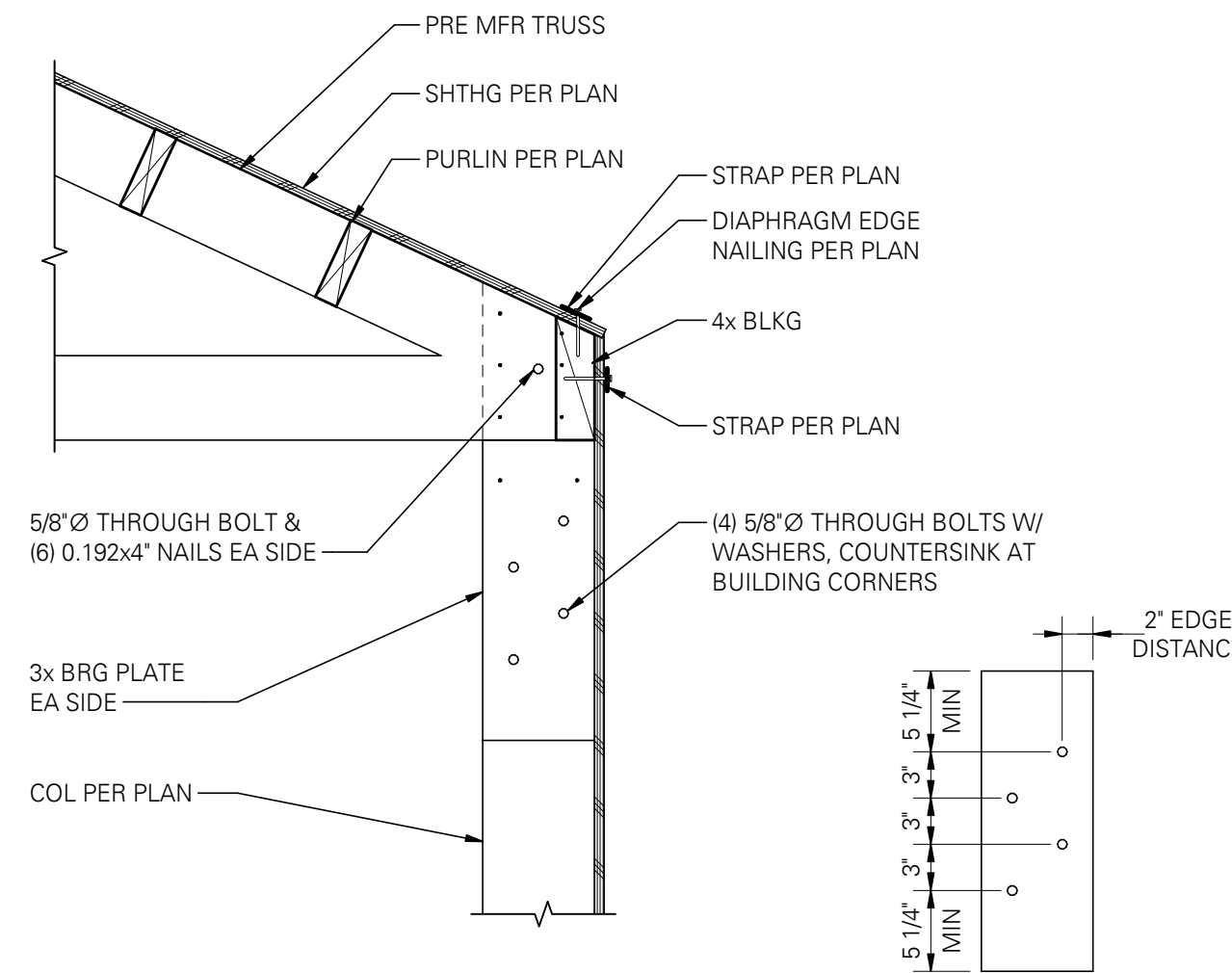
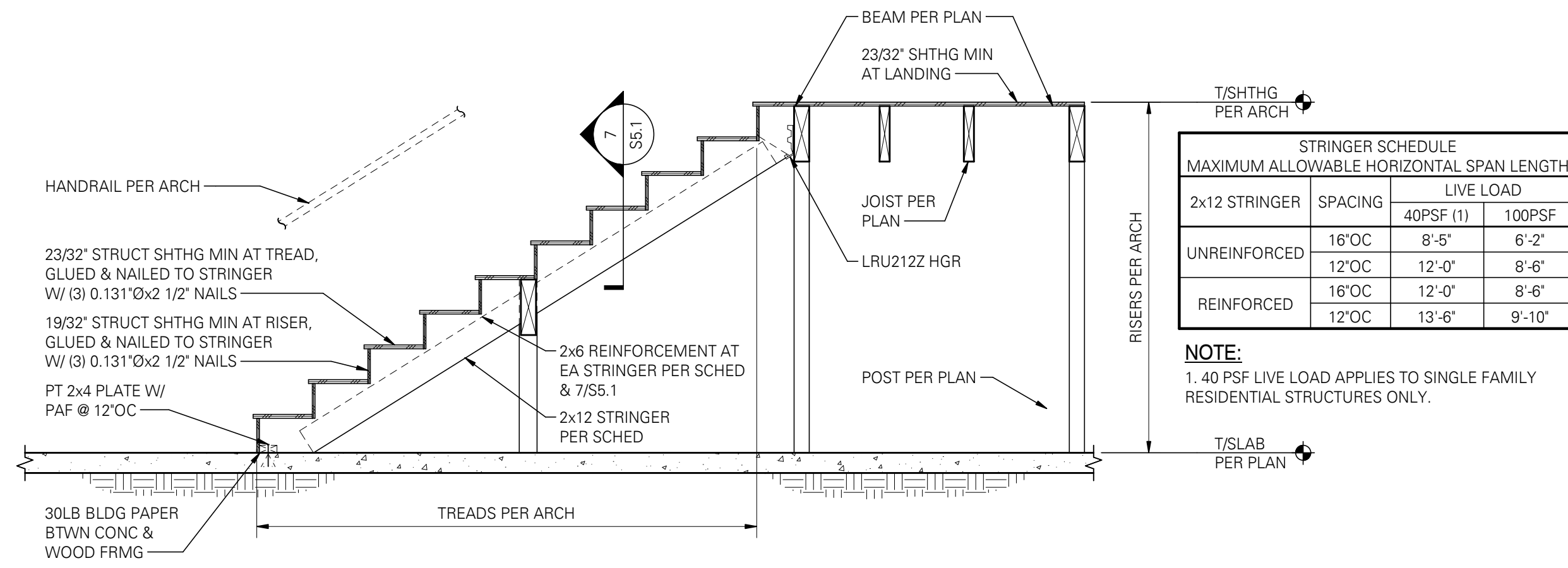
APPROVALS:

Job No.:	23031-0048
Proj. Manager:	TY
Drawn:	VP
Reviewed:	TY
Dwg. Chk.:	SC
Date:	04/26/23
Scale:	AS NOTED

PROJECT TITLE:
MHS SOFTBALL BATTING CAGE STRUCTURE
COOS BAY SCHOOL DISTRICT
S. 10TH & INGERSOLL ST.
COOS BAY, OR 97420

SHEET TITLE:
STRUCTURAL - WOOD FRAMING DETAILS

SHEET NO.
S5.1



1 TYPICAL INTERIOR STAIRWAY ELEVATION
SCALE: NOT TO SCALE (06300)

3 TYPICAL TRUSS CONNECTION
SCALE: 1" = 1'-0"

4 TYPICAL HOLD-DOWN OR STRAP CONNECTION AT FLOOR FRAMING
SCALE: 1" = 1'-0" (06094)

DIAPHRAGM SCHEDULE 1							
FOR 0.131"Øx2 1/2" NAILS IN 2x DOUG-FIR LARCH [1]							
TYPE	NAILING AT BOUNDARY AND CONTINUOUS PANEL EDGES	NAILING AT OTHER PANEL EDGES	NAILING AT INTERIOR PANEL EDGES	CAPACITY (LBS/FT)	PLYWOOD THICKNESS	BLOCKING	NOTES
1	0.131"Øx2 1/2" NAILS @ 6"OC	0.131"Øx2 1/2" NAILS @ 6"OC	0.131"Øx2 1/2" NAILS @ 12"OC	180/240	15/32"	NO	[2]
2	0.131"Øx2 1/2" NAILS @ 6"OC	0.131"Øx2 1/2" NAILS @ 6"OC	0.131"Øx2 1/2" NAILS @ 12"OC	270	15/32"	YES	---
3	0.131"Øx2 1/2" NAILS @ 4"OC	0.131"Øx2 1/2" NAILS @ 6"OC	0.131"Øx2 1/2" NAILS @ 12"OC	360	15/32"	YES	---
4	0.131"Øx2 1/2" NAILS @ 2 1/2"OC	0.131"Øx2 1/2" NAILS @ 4"OC	0.131"Øx2 1/2" NAILS @ 12"OC	530	15/32"	YES	[3]
5	0.131"Øx2 1/2" NAILS @ 2"OC	0.131"Øx2 1/2" NAILS @ 3"OC	0.131"Øx2 1/2" NAILS @ 12"OC	600	15/32"	YES	[3]

NOTES:
 [1] SOME DIAPHRAGM TYPES NOTED MAY NOT BE USED ON THIS PROJECT.
 [2] CAPACITY PARALLEL (180) AND PERPENDICULAR (240) TO CONTINUOUS PANEL JOINTS.
 [3] FRAMING AT BOUNDARY AND CONTINUOUS PANEL EDGES SHALL BE 3" NOMINAL OR WIDER.

5 DIAPHRAGM SCHEDULE
SCALE: 12" = 1'-0" (01440)

HOLD-DOWN/STRAP SCHEDULE - DOUG-FIR STUDS							
[1, 2, 7, 11] INDICATES FOOTNOTES							
	TYPE	NUMBER OF STUDS/POST [3, 12]	NAILS, SCREWS OR BOLTS	DIAMETER [10]	ANCHOR [4]		NOTES
					CONCRETE EMBEDMENT/CAPACITY FOOTING		
					EMBED CIP [6]	CAPACITY	
WOOD TO CONCRETE	HDU14	(1) 6x	(36) SDS1/4x2 1/2	1"Ø	15"	13.6k	----
WOOD TO WOOD	CMST12	(2) 2x	(86) 0.148"Øx3" NAILS	----	----	9.22k	[9]

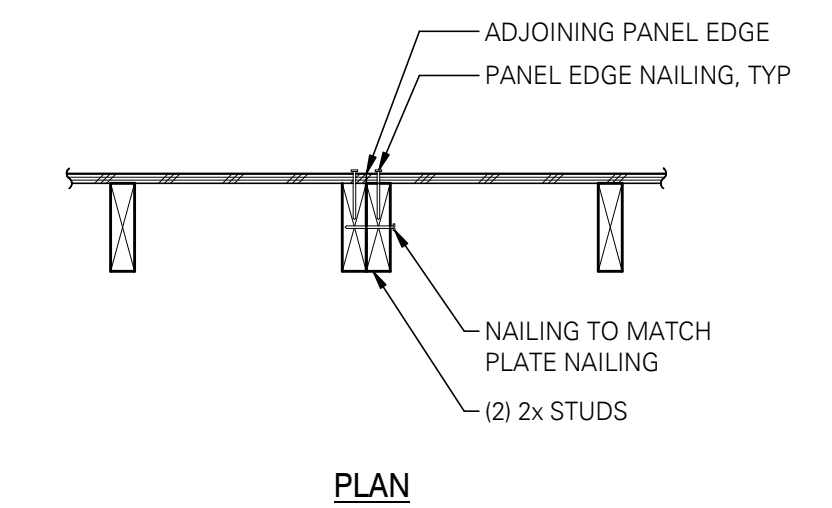
NOTES:
 [1] SOME HOLD-DOWN TYPES MAY NOT BE USED ON THIS PROJECT.
 [2] TYPICAL HOLD-DOWN DETAILS PER 5/5S.1. ANCHOR REINFORCEMENT REQUIRED AT STEMWALLS.
 [3] PROVIDE PANEL EDGE NAILING PER SHEAR WALL SCHEDULE AT HOLD-DOWN STUDS/POSTS.
 [4] BASED ON MINIMUM f'c = 3000 PSI CONCRETE.
 [5] STEMWALLS SHALL BE 8" WIDE x 18" TALL MINIMUM.
 [6] CAST-IN-PLACE (CIP) TYPE THREADED RODS AT HOLD-DOWNS SHALL HAVE TWO HEX HEAD NUTS WITH OVERSIZED WASHERS.
 [7] INCLUDES 1.6 LOAD DURATION INCREASE FOR WOOD.
 [8] BASED ON 11 7/8" DEEP FLOOR JOIST.
 [9] TOTAL NAILS SPECIFIED, USE HALF THE NAILS AT THE STUDS ABOVE AND BELOW LEVEL BEING CONNECTED.
 [10] AT PRESSURE TREATED SILLS, USE HOT DIPPED GALVANIZED BOLTS.
 [11] NAIL LAMINATE MULTIPLE 2x STUDS WITH PLATE NAILING PER SHEAR WALL SCHEDULE.
 [12] MIDWALL CORNER WALL END
 [13] STUD WALLS SHALL BE 2x6, CENTER HOLD-DOWN IN STUD WALL.

9 HOLD-DOWN/STRAP SCHEDULE - DOUG-FIR STUDS
SCALE: 1" = 1'-0" (01440)

SHEAR WALL SCHEDULE W6 FOR 0.148"Øx 2 1/2" NAILS IN DOUG-FIR LARCH (2018 IBC) [16]								
SOME SHEAR WALL TYPES NOTED MAY NOT BE USED ON THIS PROJECT.								
WALL TYPE	WALL SHEATHING APA-RATED [1, 2, 12]	NAIL SIZE & SPACING AT ALL PANEL EDGES [4, 5]	BLOCKING & STUD SIZE AT ADJOINING PANEL EDGES [3, 6, 13]	RIM JOIST OR BLOCKING CONN TO TOP PLATE BELOW [7, 8]	2x PLATE ATTACHMENT NAILING TO WOOD RIM JOIST OR BLOCKING BELOW	SILL PLATE ATTACHMENT ANCHOR BOLT TO CONCRETE BELOW [10]		SHEAR CAPACITY LBS/FT
W6	15/32"	0.148"Øx2 1/2" @ 6"OC	2x	CLIP @ 16"OC	0.148"Øx3 1/4" @ 6"OC	5/8"Ø @ 48"OC		310
W4	15/32"	0.148"Øx2 1/2" @ 4"OC STAGGERED	3x	CLIP @ 12"OC	0.148"Øx3 1/4" @ 4"OC	5/8"Ø @ 32"OC 5/8"Ø @ 48"OC		460
W3	15/32"	0.148"Øx2 1/2" @ 3"OC STAGGERED	3x	CLIP @ 16"OC EACH SIDE	0.148"Øx3 1/4" @ 6"OC (2) ROWS [9]	5/8"Ø @ 24"OC 5/8"Ø @ 32"OC		600

NOTES:
 [1] INSTALL PANELS EITHER HORIZONTALLY OR VERTICALLY.
 [2] WHERE SHEATHING IS APPLIED ON BOTH SIDES OF WALL, PANEL EDGE JOINTS ON 2x FRAMING SHALL BE STAGGERED SO THAT JOINTS ON THE OPPOSITE SIDES ARE NOT LOCATED ON THE SAME STUD.
 [3] BLOCKING IS REQUIRED AT ALL PANEL EDGES.
 [4] PROVIDE SHEAR WALL SHEATHING AND NAILING FOR THE ENTIRE LENGTH OF THE WALLS INDICATED ON THE PLANS. ENDS OF FULL HEIGHT WALLS ARE DESIGNATED BY WINDOWS OR DOORWAYS OR AS DESIGNATED ON PLANS. HOLD-DOWN REQUIREMENTS PER PLANS. (ALTERNATE NOTE: WALLS SHOWN WITH HORIZONTAL STRAPS BELOW AND/OR ABOVE OPENINGS REQUIRE SHEATHING, SHEAR WALL NAILING, ETC ABOVE AND BELOW ALL OPENINGS).
 [5] SHEATHING EDGE NAILING IS REQUIRED AT ALL HOLD-DOWN POSTS. EDGE NAILING MAY ALSO BE REQUIRED TO EACH STUD USED IN BUILT-UP HOLD-DOWN POSTS. ADDITIONAL INFORMATION PER HOLD-DOWN DETAILS.
 [6] INTERMEDIATE FRAMING TO BE 2x MINIMUM MEMBERS. ATTACH SHEATHING TO INTERMEDIATE FRAMING WITH 0.148"Øx2 1/2" NAILS AT 12"OC WHERE STUDS ARE SPACED AT 16"OC AND 0.148"Øx2 1/2" NAILS AT 6"OC WHERE STUDS ARE SPACED AT 24"OC.
 [7] BASED ON 0.131"Øx1 1/2" NAILS USED TO ATTACH FRAMING CLIPS DIRECTLY TO FRAMING. USE 0.131"Øx2 1/2" NAILS WHERE INSTALLED OVER SHEATHING.
 [8] FRAMING CLIPS: A35 OR LTP5 OR APPROVED EQUIVALENT.
 [9] WHERE BOTTOM PLATE ATTACHMENT SPECIFIES (2) ROWS OF NAILS OR SCREWS, PROVIDE DOUBLE JOIST, RIM JOIST OR EQUAL BELOW. STAGGER NAILS/SCREWS IN ROWS 1 1/2" APART MINIMUM.

[10] ANCHOR BOLTS SHALL BE PROVIDED WITH HOT-DIPPED GALVANIZED STEEL PLATE WASHERS 0.229"x3"x3" MINIMUM. THE HOLE IN THE PLATE WASHER MAY BE DIAGONALLY SLOTTED 13/16"x1 3/4" PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND NUT. PLATE WASHER TO EXTEND TO WITHIN 1/2" OF THE EDGE OF THE SILL PLATE ON THE SIDE(S) WITH SHEATHING. AT 2x6 WALLS WITH SHEATHING ON BOTH SIDES USE PLATE WASHER 0.229"x4 1/2"x4 1/2" MINIMUM. EMBED ANCHOR BOLTS 7" MINIMUM INTO THE CONCRETE.
 [11] PRESSURE TREATED MATERIAL CAN CAUSE EXCESSIVE CORROSION IN THE FASTENERS. PROVIDE HOT-DIPPED GALVANIZED (ELECTRO-PLATING IS NOT ACCEPTABLE) NAILS AND CONNECTOR PLATES (FRAMING ANGLES, ETC) FOR ALL CONNECTORS IN CONTACT WITH PRESSURE TREATED FRAMING MEMBERS. ADDITIONAL INFORMATION PER STRUCTURAL GENERAL NOTES.
 [12] WHERE WOOD SHEATHING (W) IS APPLIED OVER GYPSUM SHEATHING (G), CONTACT THE ENGINEER OF RECORD FOR ALTERNATE NAILING REQUIREMENTS.
 [13] AT ADJOINING PANEL EDGES, (2) 2x STUDS NAILED TOGETHER MAY BE USED IN PLACE OF SINGLE 3x STUD. DOUBLE 2x STUDS SHALL BE CONNECTED TOGETHER BY NAILING THE STUDS TOGETHER WITH 3" LONG NAILS OF THE SAME SPACING AND DIAMETER AS THE PLATE NAILING, PER SECTION.
 [14] NAIL STUDS TO 3x SILL PLATES WITH EITHER (2) 0.148"Øx4" END NAILS OR (4) 0.131"Øx2 1/2" TOENAILS.
 [15] **WX** WHERE "W" INDICATES WOOD SHEATHING AND "X" INDICATES EDGE NAIL SPACING.
 [16] EDGE NAILS SHALL BE LOCATED 3/8" FROM PANEL EDGES.



11 SHEAR WALL SCHEDULE - DOUG-FIR LARCH
SCALE: 1" = 1'-0" (01430A)

PREPARED BY:
DDC ENGINEERS
 921 SW Washington Street, Suite 560
 Portland, Oregon 97205 www.ddc-engineers.com
 P: (503) 242-2448
 © 2018 DDC ENGINEERS, INC. All rights reserved. No part of this document may be reproduced without the written consent of DDC ENGINEERS, INC.

FOR PERMIT
 The Contractor shall not use these drawings for construction until Contractor receives written approval for use in construction by the authority having jurisdiction and DDC Engineers.

SIGNATURE:

 MARCH 28, 2018
 OREGON
 SHIRLEY CHALUP
 EXPIRES: 12-31-23

REVISIONS:	NO.	DATE	DESCRIPTION

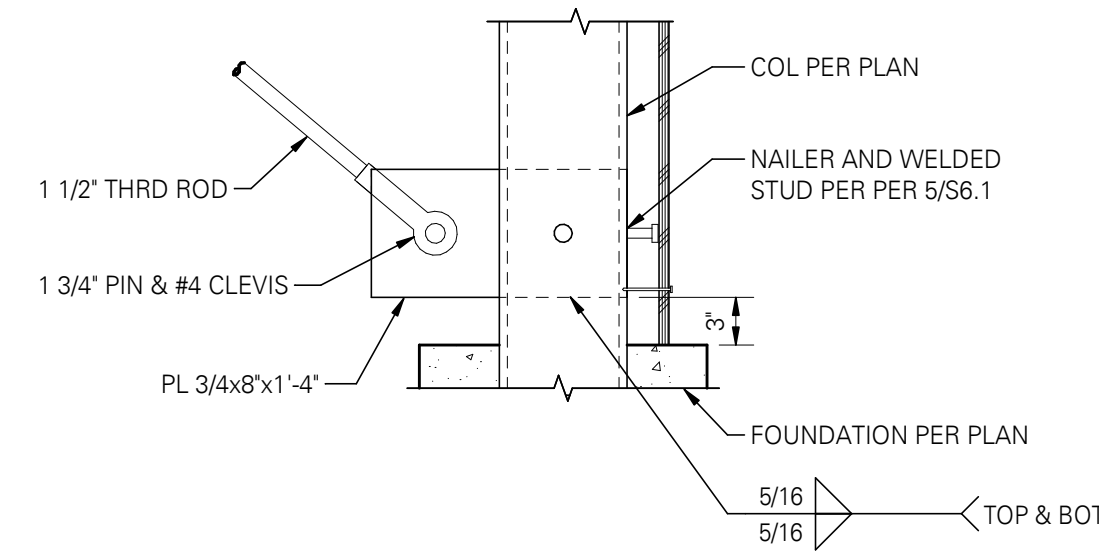
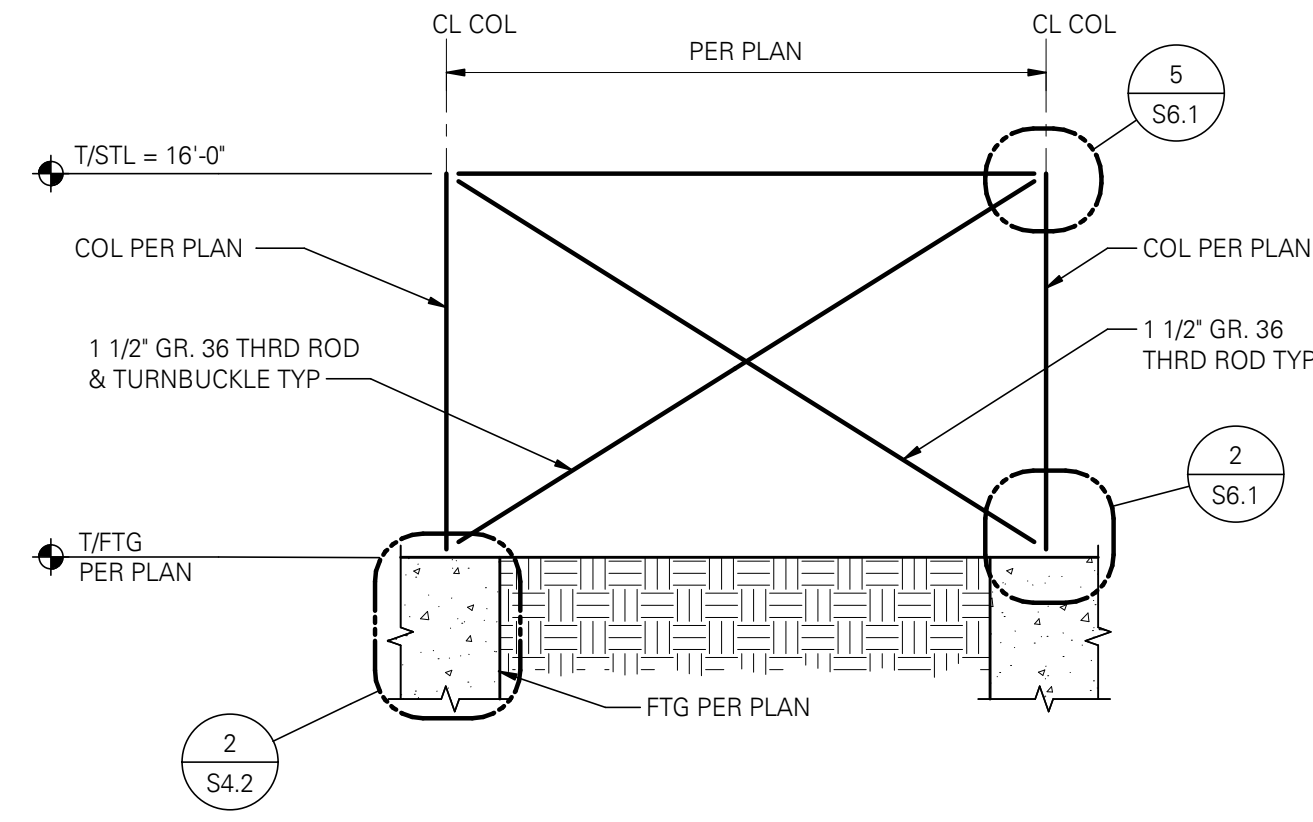
APPROVALS:

Job No.:	23031-004B
Proj. Manager:	TY
Drawn:	VP
Reviewed:	TY
Dwg. Chk.:	SC
Date:	04/26/23
Scale:	AS NOTED

PROJECT TITLE:
MHS SOFTBALL BATTING CAGE STRUCTURE
 COOS BAY SCHOOL DISTRICT
 S. 10TH & INGERSOLL ST.
 COOS BAY, OR 97420

SHEET TITLE:
STRUCTURAL - WOOD FRAMING DETAILS

SHEET NO.
S5.2

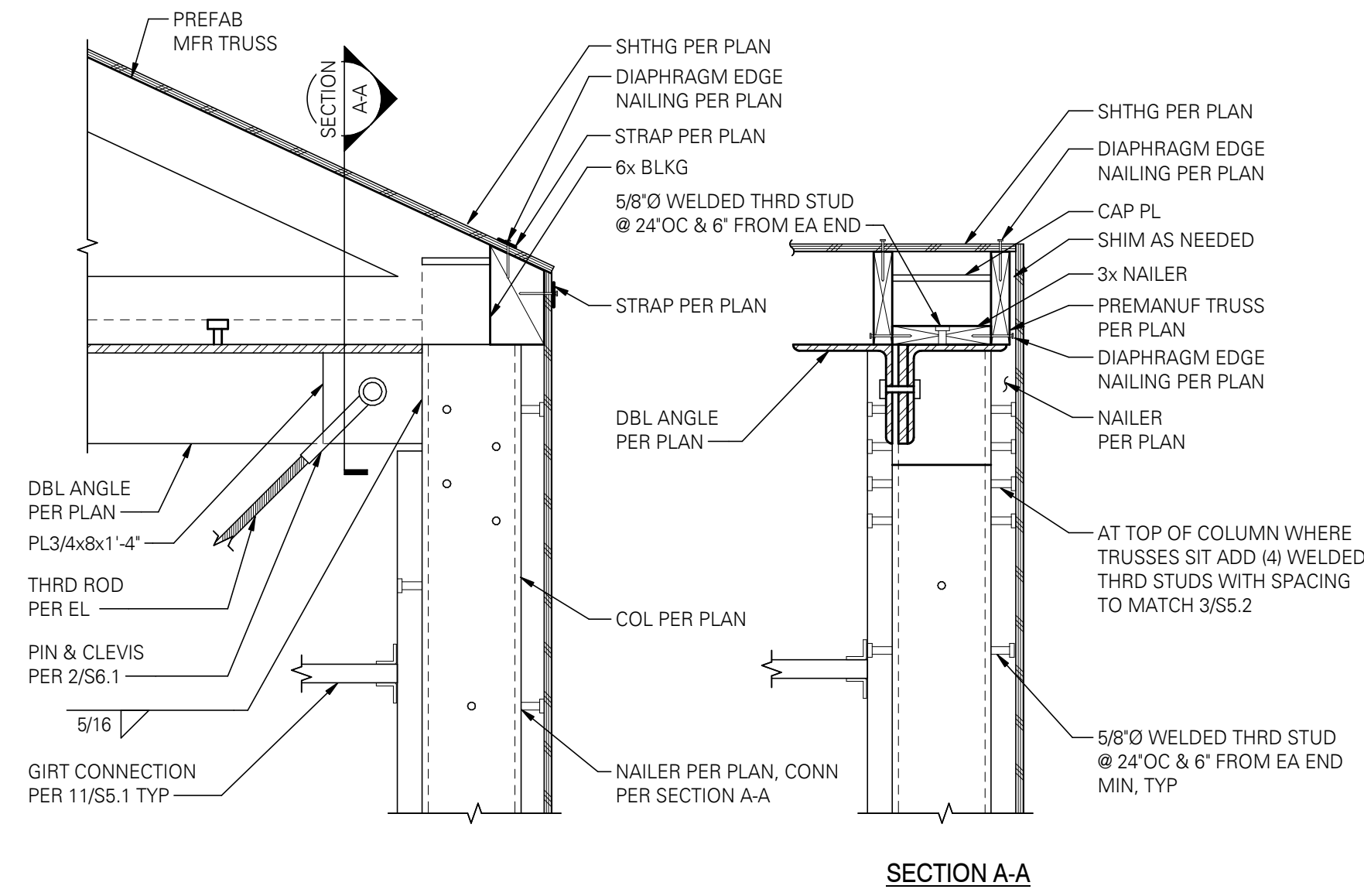


1 BRACED FRAME ELEVATION ALONG GRID A

SCALE: 1/8" = 1'-0" (05320M)

2 CLEVIS CONNECTION

SCALE: 1" = 1'-0"



5 TYPICAL HSS COLUMN TO PREFAB TRUSSES

SCALE: 1" = 1'-0"

FOR PERMIT
The Contractor shall not use these drawings for construction until Contractor receives written approval for use in construction by the authority having jurisdiction and DCI Engineers.

DCI ENGINEERS®
921 SW Washington Street, Suite 500
Portland, Oregon 97205
P: (503) 242-2448 www.dci-engineers.com
CIVIL / STRUCTURAL
© The Engineer and Contractor shall retain the right to alter or modify these drawings without any responsibility for the consequences.

REGISTERED PROFESSIONAL ENGINEER
74868PE
July Clift
MARCH 28, 2011
SHIRLEY CHALUPA
EXPIRES: 12-31-23

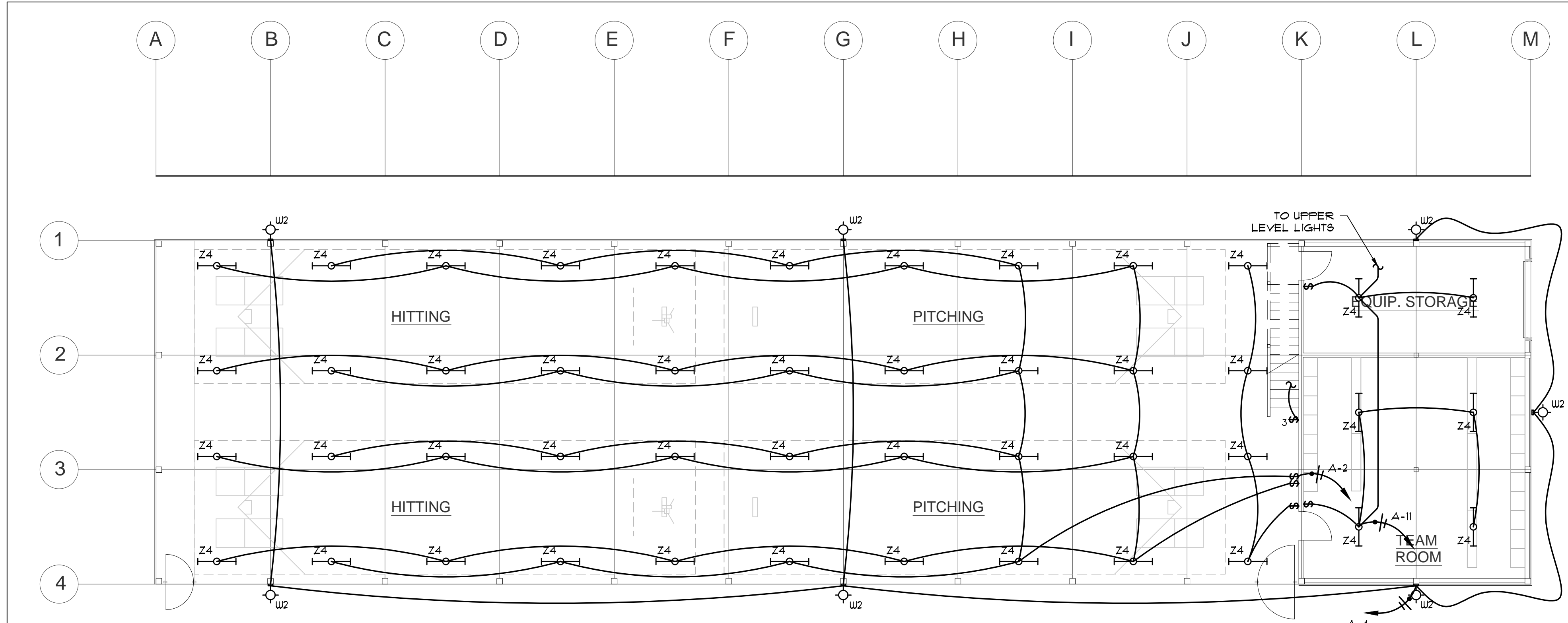
REVISIONS:	NO.	DATE	DESCRIPTION

APPROVALS:
Job No.: 2303-004B
Proj. Manager: TY
Drawn: VP
Reviewed: TY
Dwg. Chk.: SC
Date: 04/26/23
Scale: AS NOTED

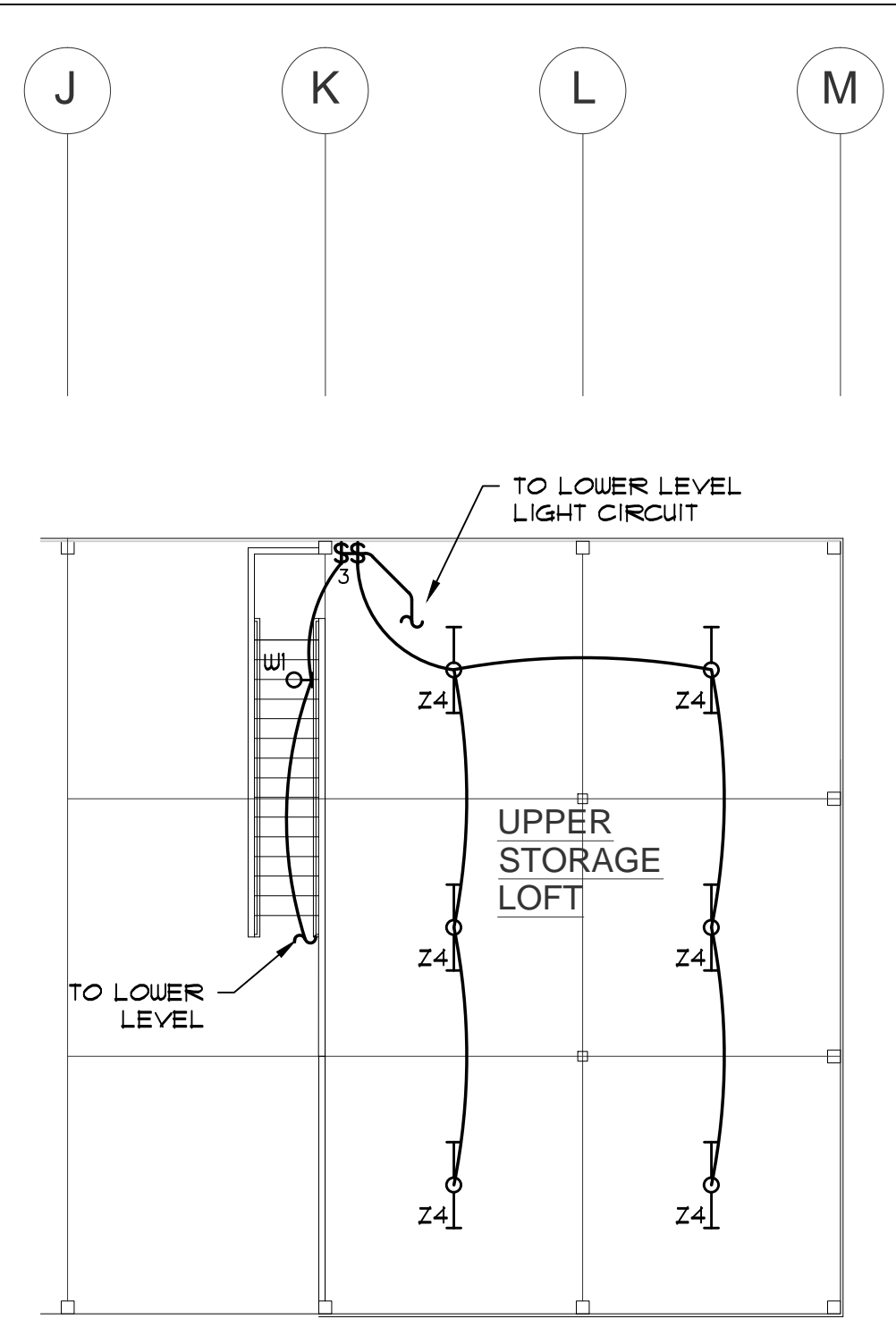
PROJECT TITLE:
MHS SOFTBALL BATTING CAGE STRUCTURE
COOS BAY SCHOOL DISTRICT
S. 10TH & INGERSOLL ST.
COOS BAY, OR 97420

SHEET TITLE:
STRUCTURAL - STEEL DETAILS

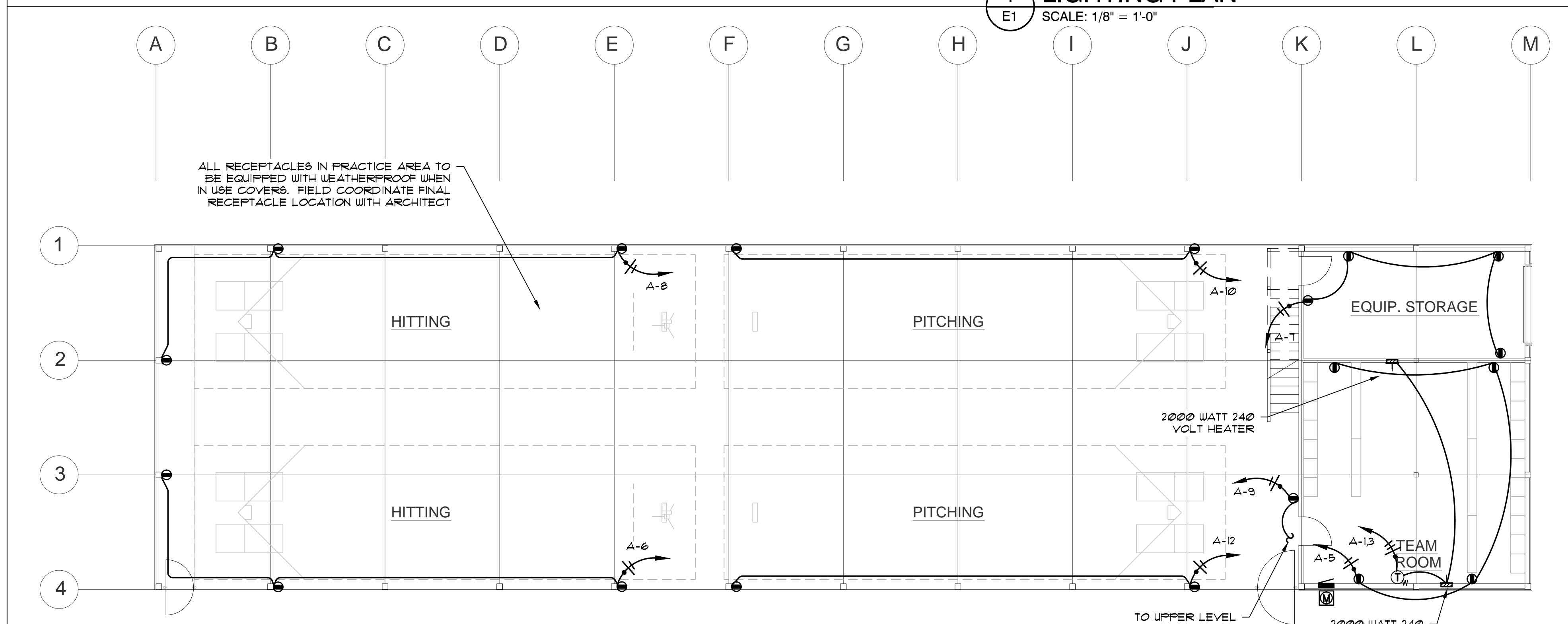
SHEET NO.
S6.1



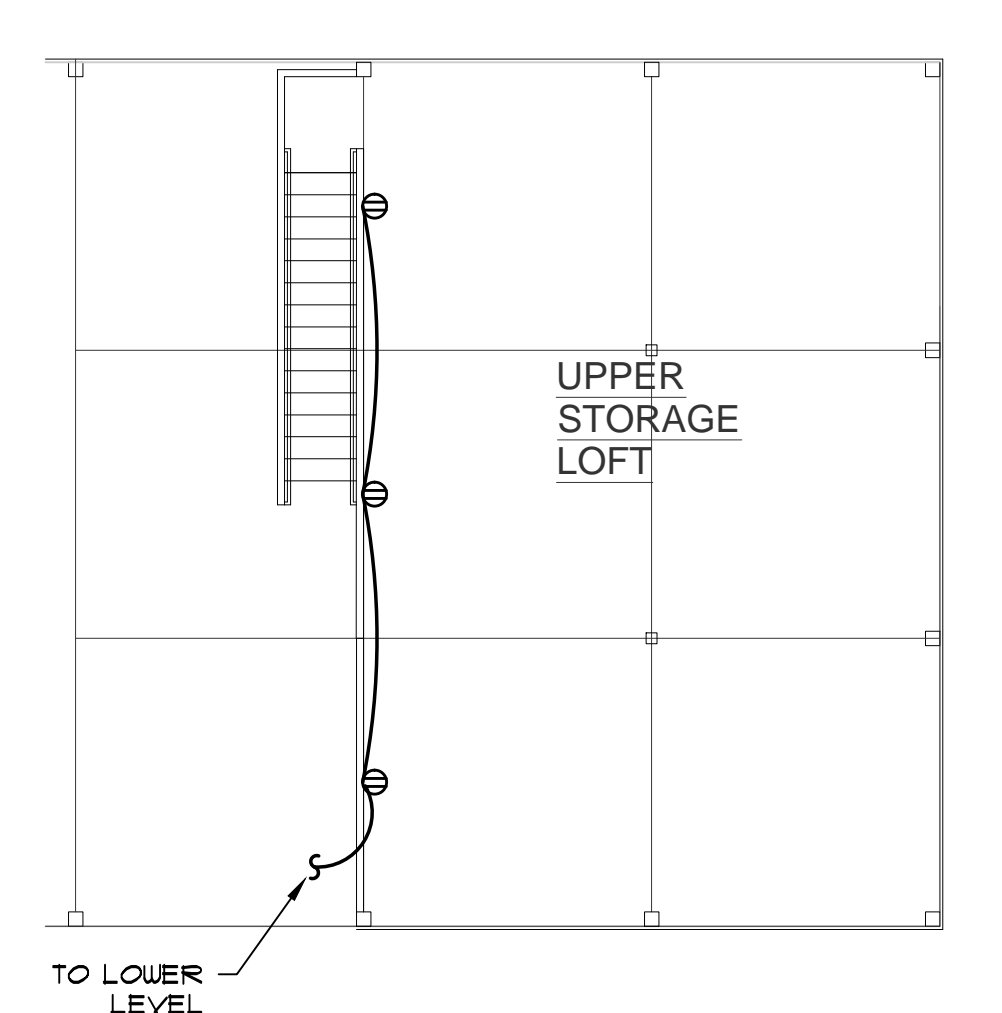
1 LIGHTING PLAN
E1 SCALE: 1/8" = 1'-0"



- LIGHT FIXTURE SCHEDULE**
- W1 LED WALL PACK LITHONIA WFX0 LED ALO4 5WU2 (4000) MVOLT DDBXD DISABLE PHOTOCELL. 13 WATTS
 - W2 SAME AS W1 EXCEPT USE PHOTOCELL CONTROL
 - Z4 4-FOOT LED LENSED STRIP, LITHONIA Z-SERIES ZLID L40 8MR 5000LM F0T 35K 80CRI OR APPROVED. 41 WATTS



2 POWER PLAN
E1 SCALE: 1/8" = 1'-0"

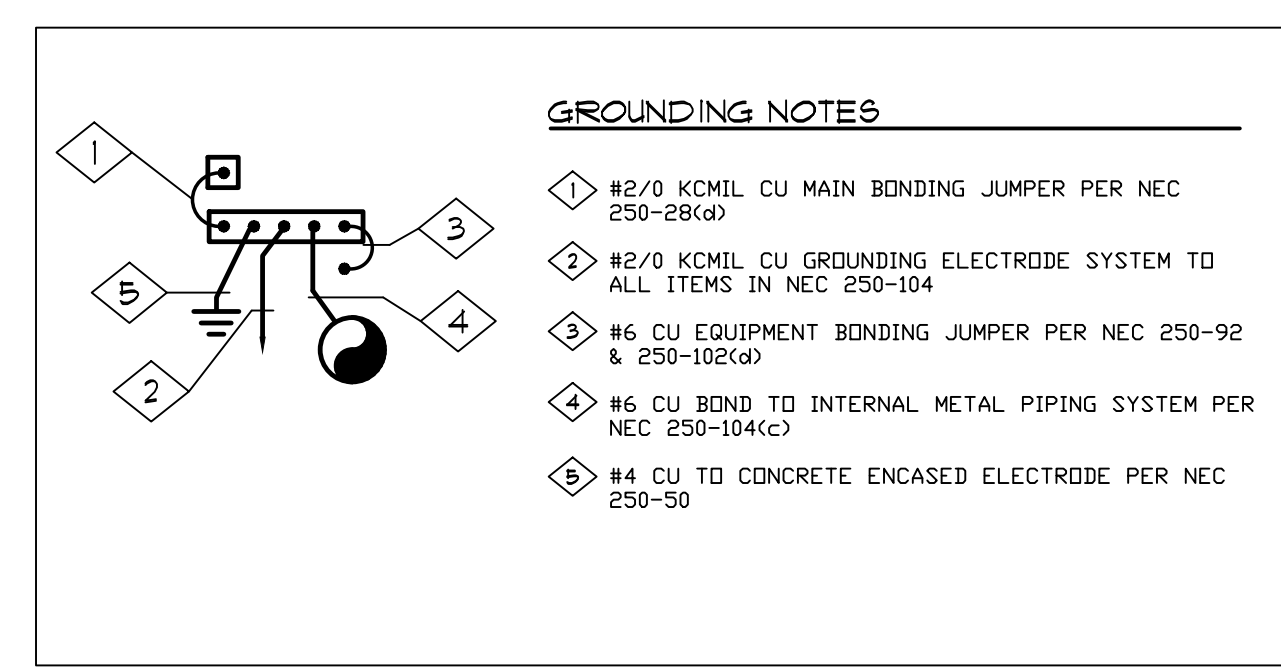


PANEL 'A'												FAULT CURRENT = 6,531							
100 AMP MAIN BREAKER 120 / 240 VOLTS												1-PHASE, 3-WIRE							
FEEDER SIZE ALUMINUM: 1 1/2" C, 3 #10 PH, #6 GRD												FLUSH MOUNTED							
LOAD DISTRIBUTION		LTG	REC	MOTR	DATA	EXTG	HEAT	MISC	PH-A	PH-B	TOTAL	AMPS	WITH SPARE	25%					
CONNECTED VA		2236	3960	0	0	0	4000	0	5980	4216	10196	50	12745	62					
DIVERSITY FACTOR		125%	100%	100%	100%	65%	100%	100%											
DIVERSIFIED VA		2795	3960	0	0	0	4000	0	6390	4365	10755	53	13444	67					
PL	T	LOAD	VA	HP	PHW	GND	CON	BKR	PH	BKR	CON	GND	PHW	HP	VA	LOAD	T	PL	
1	H	HEATERS	2000		10	10	1/2	30	2	A	1	20	1/2	12	12	1640	LTS: CAGES	L	2
3	H		2000							B	1	20	1/2	12	12	91	LTS: EXTERIOR	L	4
5	R	REC: TEAM ROOM	720		12	12	1/2	20	1	A	1	20	1/2	12	12	540	REC: CAGES	R	6
7	R	REC: EQUIP STORE	720		12	12	1/2	20	1	B	1	20	1/2	12	12	540	REC: CAGES	R	8
9	R	REC: LOFT STORE	720		12	12	1/2	20	1	A	1	20	1/2	12	12	360	REC: CAGES	R	10
11	L	LTS: TEAM / STORE	505		12	12	1/2	20	1	B	1	20	1/2	12	12	360	REC: CAGES	R	12
13										A									
15										B									
17										A									
19										B									
21										A									
23										B									

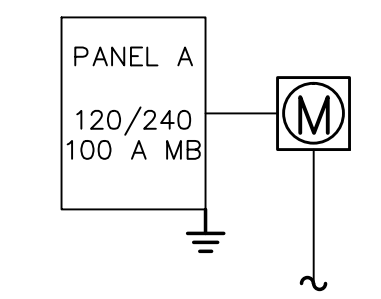
ALL CIRCUIT CONDUCTORS SIZED FOR COPPER

4/21/2023

FED FROM UTILITY TRANSFORMER 23.07 Schedules



3 GROUNDING DETAIL
E1 DIAGRAMMATIC



3 1-LINE DIAGRAM
E1 120/240 VOLT, 1-PH

- PROJECT NOTES**
- ELECTRICAL SERVICE: FIELD COORDINATE ELECTRICAL SERVICE WITH OWNER AND UTILITY.
 - EXISTING SERVICE: IF FEEDING FROM EXISTING BUILDING / SERVICE, PROVIDE GROUNDING CONDUCTOR IN FEEDER. ALSO PROVIDE APPROVED GROUNDING RODS AT BATTING CAGES. MAINTAIN ISOLATION OF GROUND BUS FROM NEUTRAL BUS. VERIFY ADEQUATE CAPACITY IN EXISTING PANEL FOR ADDITIONAL LOAD PER NEC REQUIREMENTS. FIELD COORDINATE ALL REQUIREMENTS.
 - NEW UTILITY SERVICE: IF PROVIDING NEW UTILITY SERVICE, GROUND AND BOND PER NEC. FIELD COORDINATE ALL REQUIREMENTS WITH SERVING UTILITY.

PROJECT NO.: 22-48
MHS SOFTBALL BATTING CAGE STRUCTURE
COOS BAY SCHOOL DISTRICT
S. 10TH & INGERSOLL ST.
COOS BAY, OR 97420

CONSTRUCTION

REVISIONS:	#	DATE	DESCRIPTION

DATE: MAY 2023

SHEET TITLE:
ELECTRICAL PLAN

E1