COOS BAY SCHOOL DISTRICT
MARSHFIELD HIGH SCHOOL
SOFTBALL BATTING CAGE STRUCTURE - REBID

ABBREVIATIONS

(E)	EXISTING
EA.	EACH
O.C.	ON CENTER
GLB	GLUE LAMINATED BEAM
SAMF	SELF ADHERING MEMBRANE FLASHING
TYP.	TYPICAL
WRB	WEATHER RESISTANT BARRIER

ALTERNATE BIDS

ALTERNATE BID #1 -
PROVIDE OVERHEAD LIGHTING, ASSOCIATED CONDUIT AND WIRING IN OPEN AIR BATTING CAGE AREA 01. PROVIDE JUNCTION BOX FOR FUTURE LIGHT SWITCHES WITH BLANK COVER. PROVIDE CONDUIT FROM JUNCTION BOX UP THROUGH WALL INTO ATTIC SPACE ABOVE TEAM ROOM 02 FOR FUTURE INSTALLATION OF WIRING FOR LIGHTS.

ALTERNATE BID #2 -
PROVIDE TRANSLUCENT "SKYLIGHT" ROOF PANELS IN METAL ROOFING

ALTERNATE BID #3 -
PROVIDE SINGLE GLAZED, TEMPERED, FIXED VINYL WINDOWS IN UPPER PORTION OF EXTERIOR WALL AT BATTING CAGE AREA 01. INSTALL WELDED WIRE SCREEN ON FACE OF INTERIOR FRAMING TO PROTECT WINDOWS FROM IMPACT.

TEAM

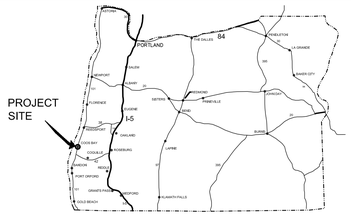
OWNER
COOS BAY SCHOOL DISTRICT #9
1225 HEMLOCK AVE.
COOS BAY, OR 97420

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

STRUCTURAL ENGINEER
REBAI TAMEROULET
S & T CONSULTING ENGINEERS
6635 SKYLINE ROAD S.
SALEM, OR 97306
503-931-2767

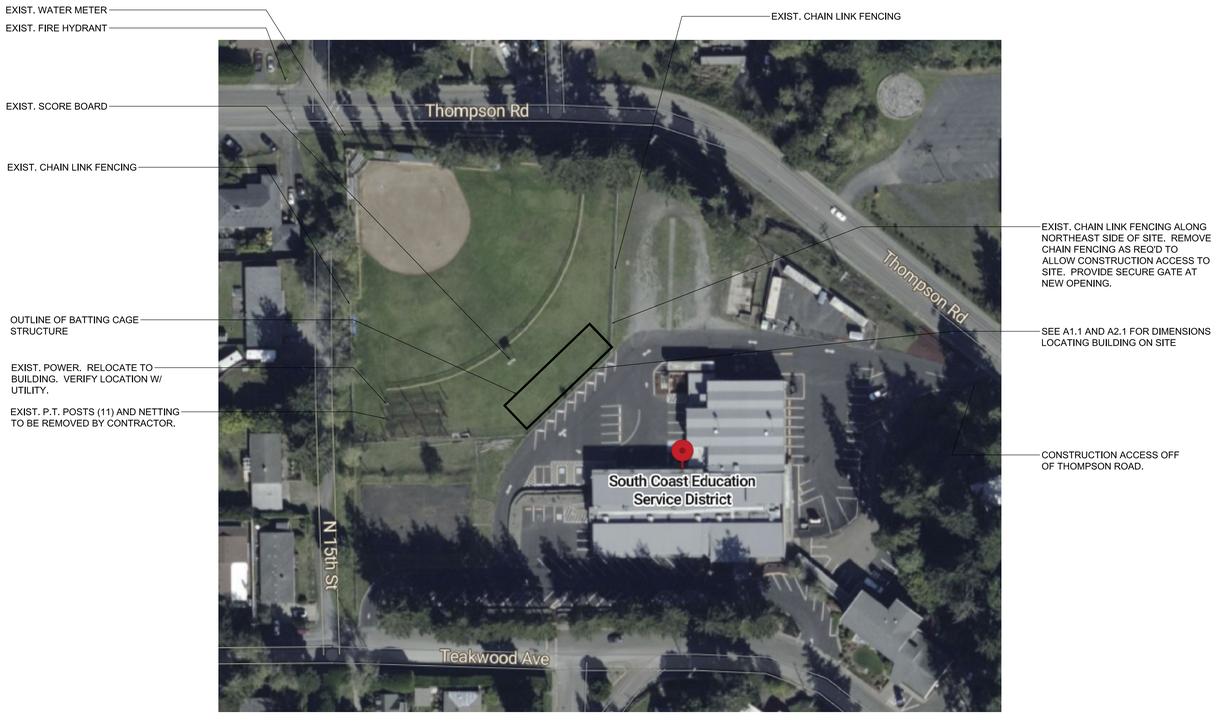
ELECTRICAL ENGINEER
GREG PRIDE
DOUBLE 'E' ENGINEERING LLC
315 ASH STREET
MYRTLE POINT, OR 97458
541-294-0587

LOCATION



PROJECT SITE:
SOUTH COAST EDUCATION SERVICE DISTRICT FIELD
1400 TEAKWOOD AVE, COOS BAY, OR 97420

SHEET INDEX



1 A1.0 SITE PLAN
SCALE: NONE

N

HGE ARCHITECTS
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COOS BAY, OR 97420
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www.hge1.com
general@hge1.com

REGISTERED ARCHITECT
ANDREW J. LOCATI
COOS BAY, OREGON
STATE OF OREGON

PROJECT NO.: 22.48

MHS SOFTBALL BATTING CAGE STRUCTURE - REBID

SOUTH COAST EDUCATION SERVICE DISTRICT FIELD
1400 TEAKWOOD AVE.
COOS BAY, OR 97420

CONSTRUCTION

REVISIONS:

#	DATE	DESCRIPTION

DATE: OCTOBER 2023

SHEET TITLE:
OVERALL SITE PLAN
SHEET INDEX
VICINITY MAP

A1.0

NOTES:

1.) ALL ELEVATIONS SHOWN HAVE BEEN BASED ON AN ASSUMED VALUE CTRL POINT #1 IS AT ELEVATION 100.00 / CTRL POINT #2 IS AT ELEVATION 96.03.
2.) CONTOURS HAVE BEEN SHOWN AT A 1' VERTICAL INTERVAL.
3.) THE BOUNDARY IS PER PARTITION PLAT 2012 #06.
4.) VACATED PORTIONS OF BOULEVARD PARK ADDITION AND 14TH STREET HAVE NOT BEEN SHOWN FOR MAPPING CLARITY.

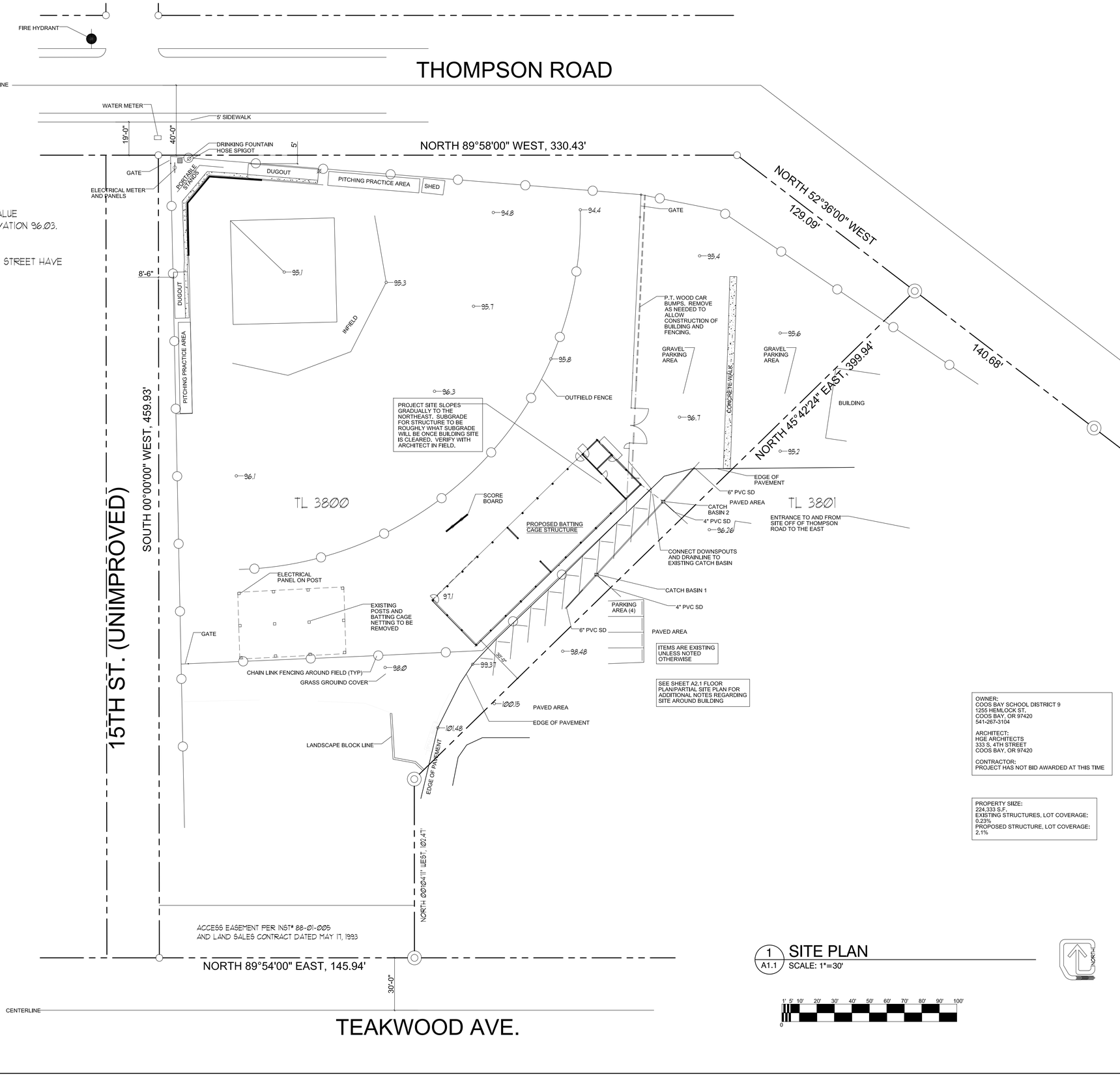
OWNERSHIP INFO:

OWNER: SCHOOL DISTRICT #9
TAX ACCOUNT # 64350.01
TAX MAP 25 13 22 DB / TAX LOT 3800
DEED REFERENCE: 73-90905
ZONING DESIGNATION: QP 3

OWNER: SOUTH COAST EDUCATION
TAX ACCOUNT # 64350.05
TAX MAP 25 13 22 DB / TAX LOT 3801
DEED REFERENCE: 88-01-0056
ZONING DESIGNATION: QP 3

SYMBOL LEGEND

- TRAFFIC DIRECTIONAL ARROW
- CALCULATED POSITION
- HANDICAPPED PARKING
- LA — LANDSCAPED AREA
- METER BOX / CTRL BOX
- WATER HOSE BIB CONNECTION
- WATER FOUNTAIN
- FIRE HYDRANT / WV
- XXXX SPOT ELEVATION
- UTILITY POWER POLE/ W/PANEL
- TELE PEDESTAL
- POWER VLT
- SIGN POST
- STREET LIGHT
- SURVEY MONUMENT
- TREE
- CATCH BASIN
- AREA DRAIN
- MANHOLE
- BORING LOCATIONS [X]



1 A1.1 SITE PLAN
SCALE: 1"=30'

1' 5' 10' 20' 30' 40' 50' 60' 70' 80' 90' 100'
0

OWNER:
COOS BAY SCHOOL DISTRICT 9
1255 HEMLOCK ST.
COOS BAY, OR 97420
541-267-3104

ARCHITECT:
HGE ARCHITECTS
333 S. 4TH STREET
COOS BAY, OR 97420

CONTRACTOR:
PROJECT HAS NOT BID AWARDED AT THIS TIME

PROPERTY SIIZE:
224,333 S.F.
EXISTING STRUCTURES, LOT COVERAGE: 0.23%
PROPOSED STRUCTURE, LOT COVERAGE: 2.1%

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dodge surveying & planning
(541) 404-5799 | rdodgesurvey@gmail.com
SIX FIVE SIX SOUTH 12TH CT.
COOS BAY, OREGON 97420

REGISTERED ARCHITECT
ANDREW J. LOCATI
COOS BAY, OREGON
STATE OF OREGON

PROJECT NO.: 22.48

MHS SOFTBALL BATTING CAGE STRUCTURE - REBID

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COOS BAY, OR 97420

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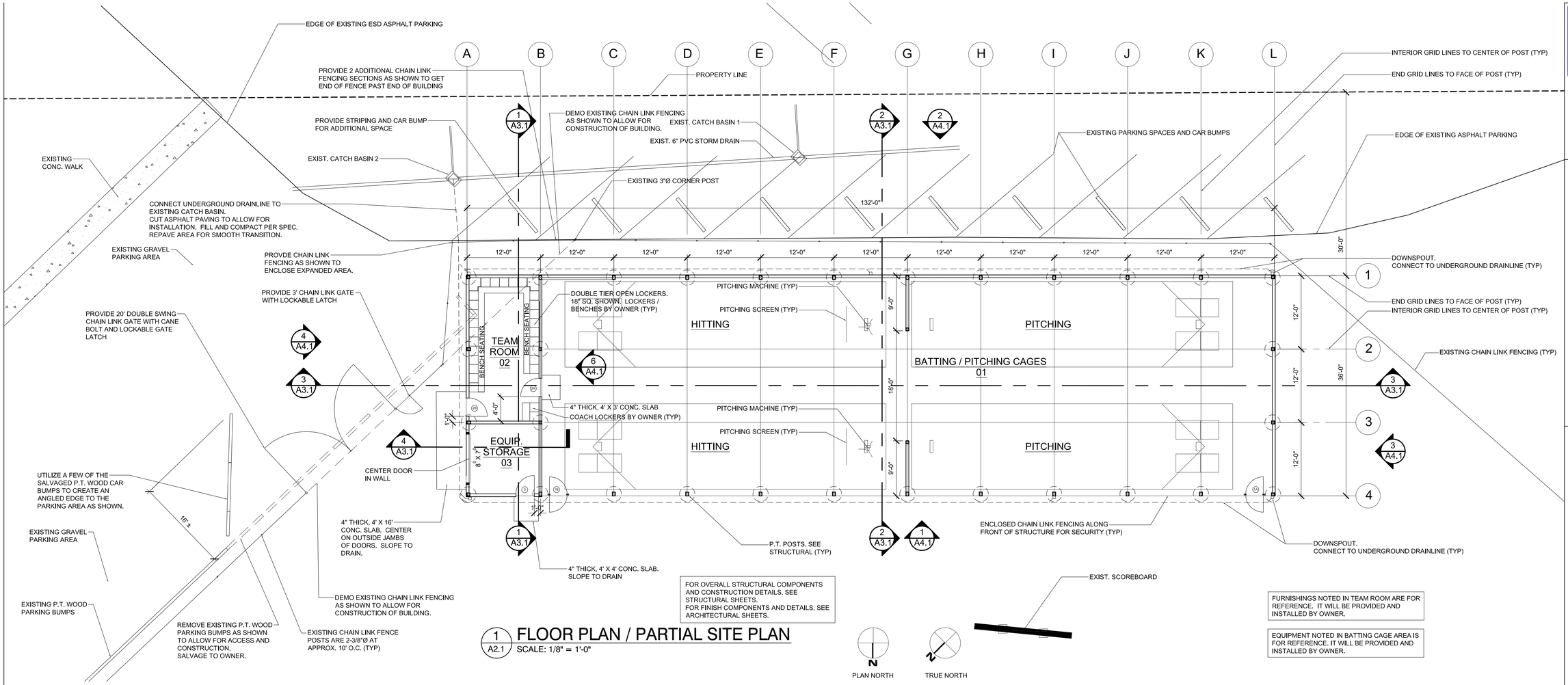
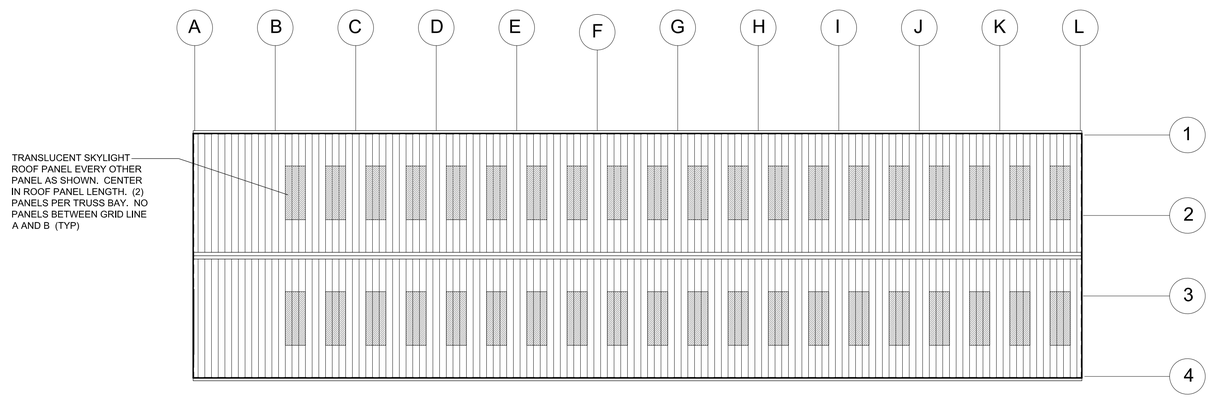
SHEET TITLE:
SITE PLAN

A1.1



1 / A2.1 FLOOR PLAN / PARTIAL SITE PLAN
SCALE: 1/8" = 1'-0"



2 / A2.1 ROOF PLAN
SCALE: 3/32" = 1'-0"

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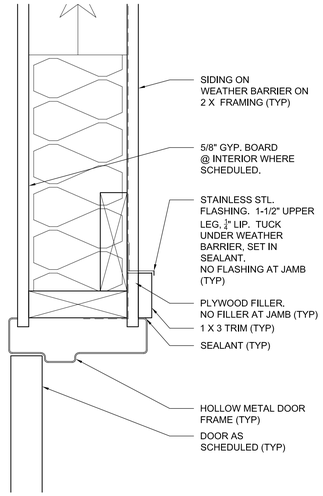
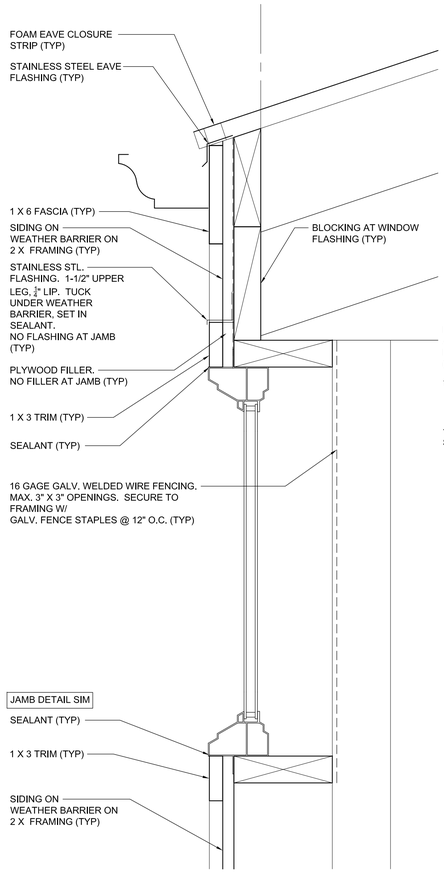
SHEET TITLE:

FLOOR PLAN
ROOF PLAN

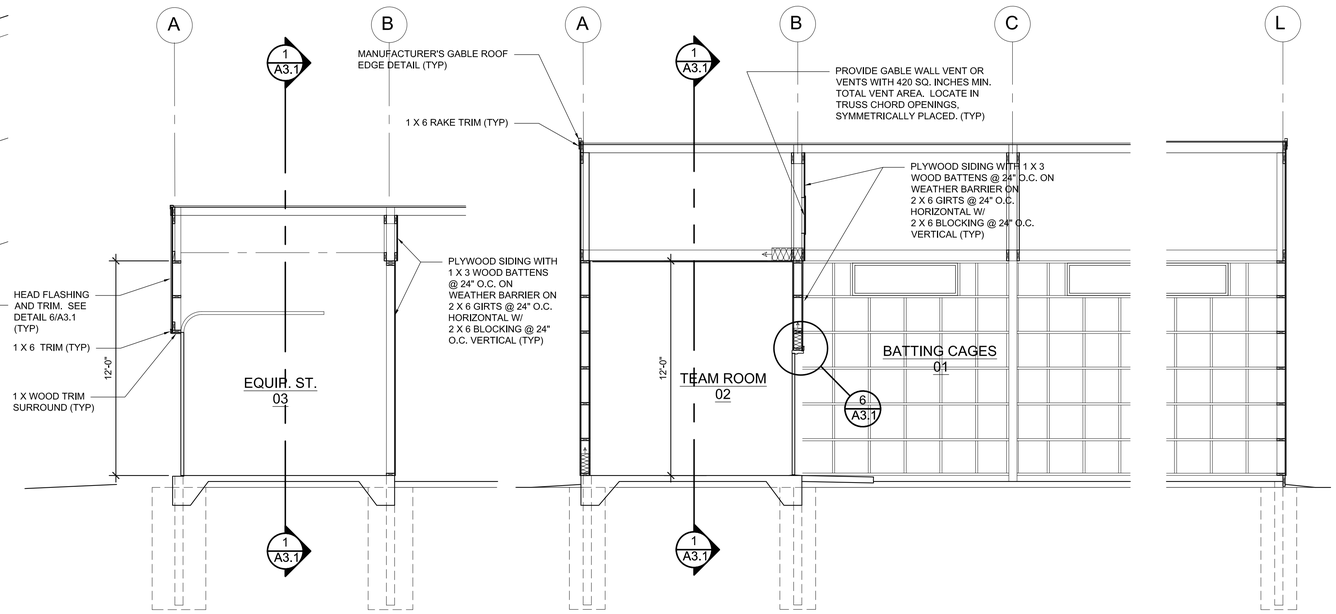
A2.1



6 A3.1 H.M. HEAD - JAMB SIM.
SCALE: 3" = 1'-0"

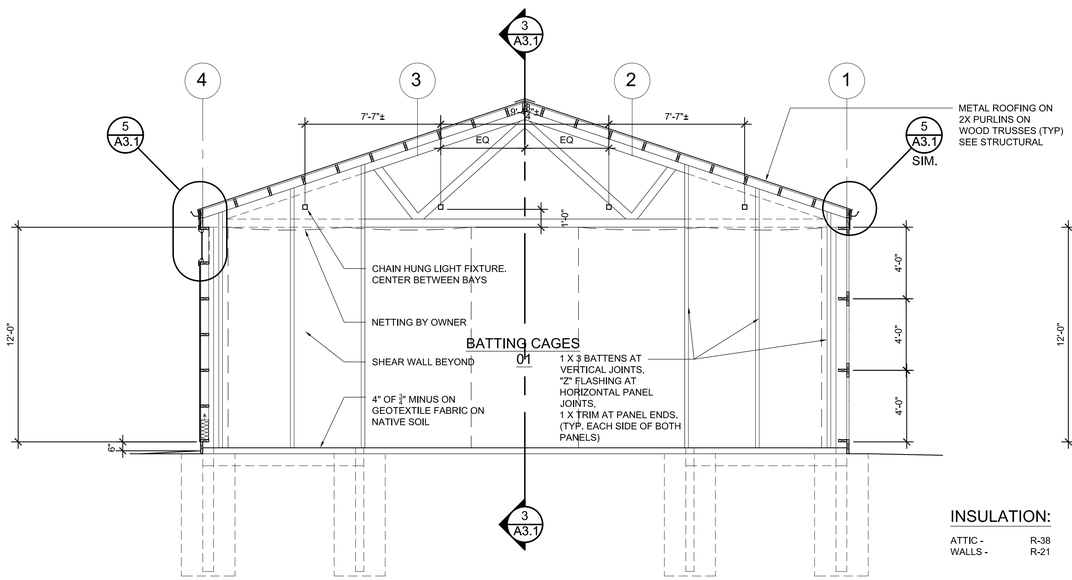


5 A3.1 FASCIA / WINDOW DETAIL
SCALE: 3" = 1'-0"



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

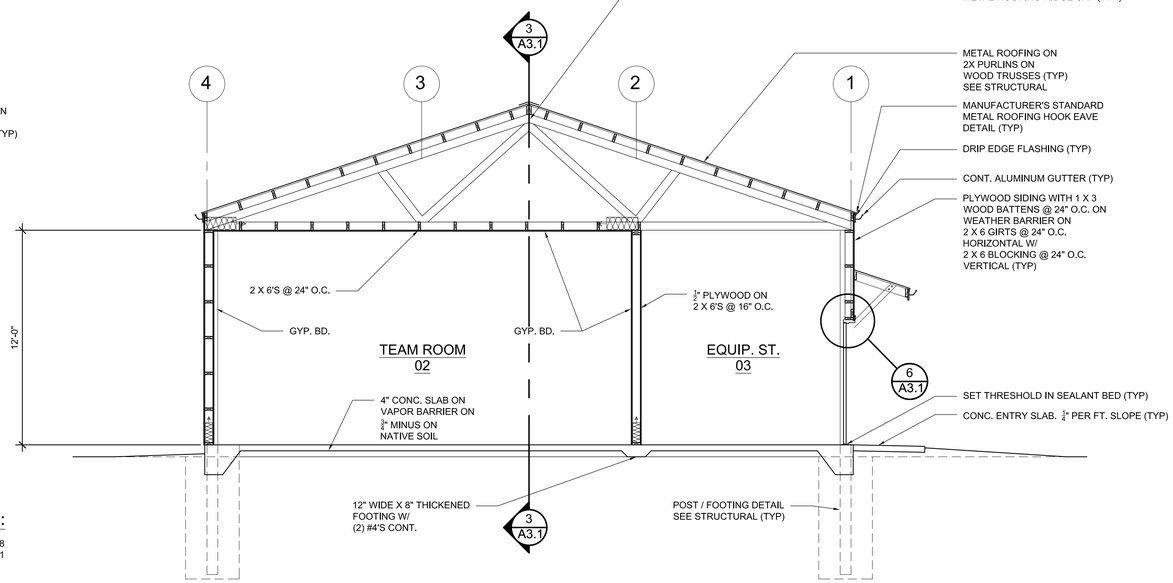
3 A3.1 SECTION
SCALE: 1/4" = 1'-0"



INSULATION:

ATTIC -	R-38
WALLS -	R-21

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



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

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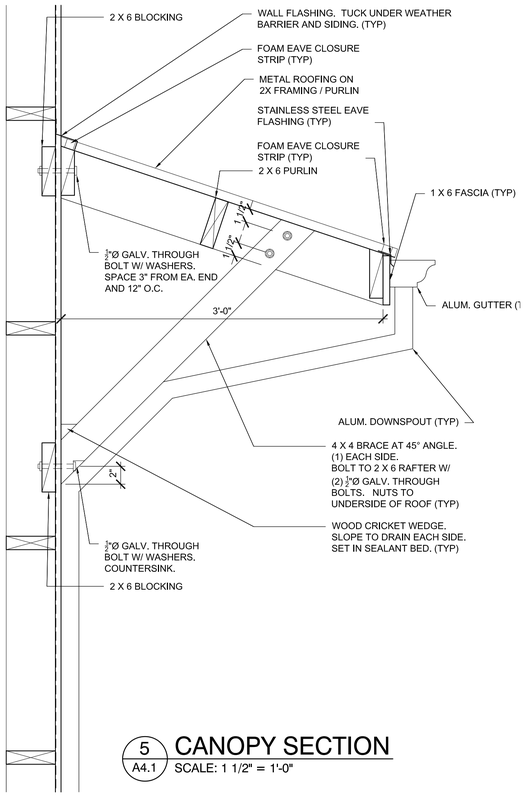
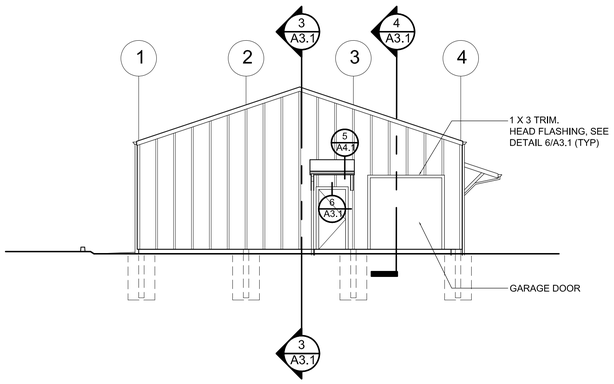
SHEET TITLE:

SECTIONS DETAILS

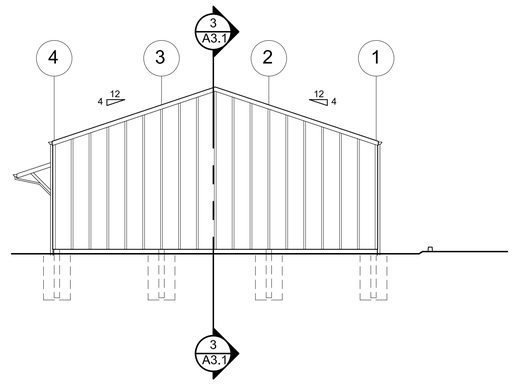
A3.1



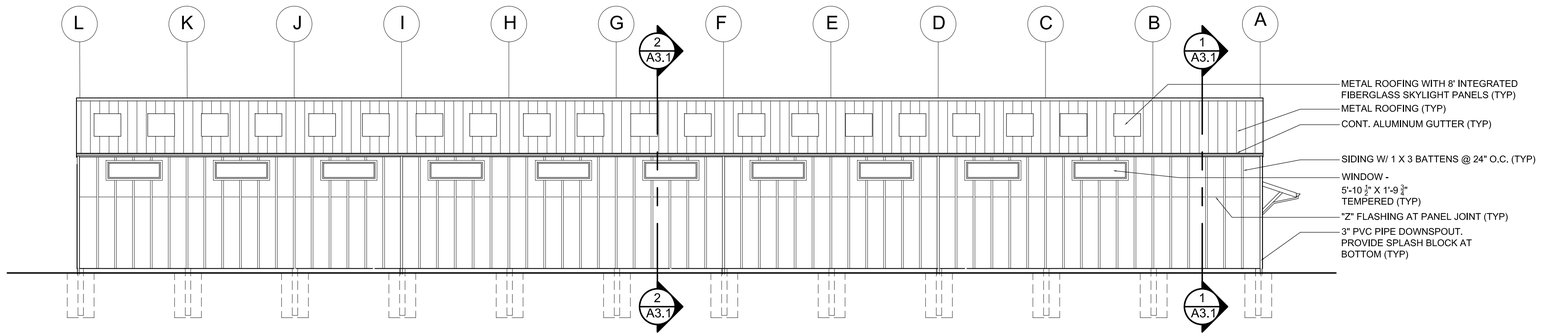
5 A4.1 CANOPY SECTION
SCALE: 1 1/2" = 1'-0"



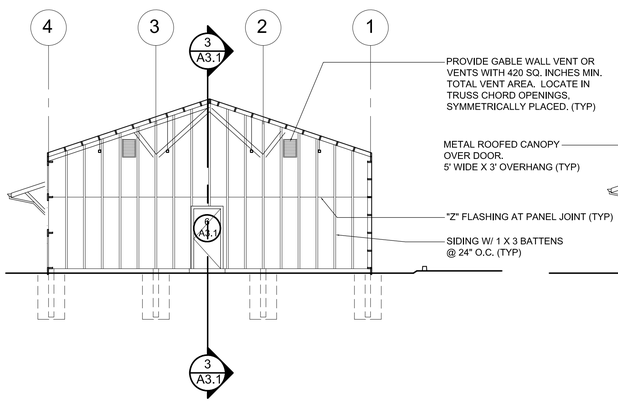
4 A4.1 NORTH EAST ELEVATION
SCALE: 1/8" = 1'-0"



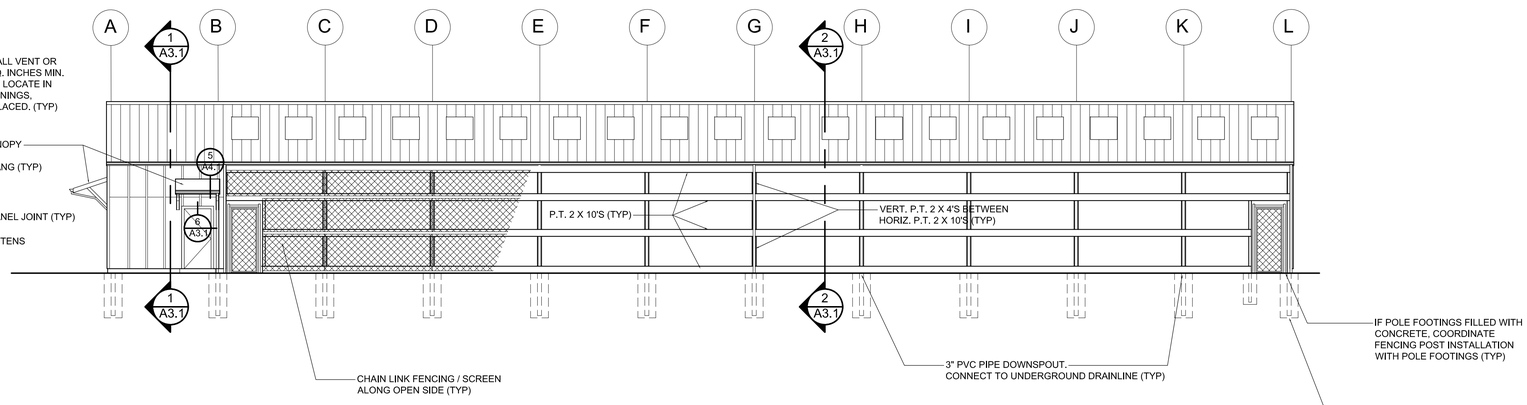
3 A4.1 SOUTH WEST ELEVATION
SCALE: 1/8" = 1'-0"



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



6 A4.1 TEAM ROOM / STORAGE ELEVATION
SCALE: 1/8" = 1'-0"



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

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CONSTRUCTION

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SHEET TITLE:
ELEVATIONS DETAILS

A4.1

GENERAL BUILDING DATA:

ITEMS	FEET
WIDTH:	36'-0"
LENGTH:	132'-0"
EAVE HEIGHT:	14'-0 MAX"
ROOF PITCH:	4
FRAME SPACING:	12'-0"
RAFTER SPACING:	SEE S1.0
GIRT SPACING:	2'-0"

DESIGN CRITERIA

ITEMS	UNIT
WIND SPEED	120
EXPOSURE	B
SEISMIC ZONE	D
DEAD LOAD	5 psf
SOIL BEARING	1500 psf
GROUND SNOW	25 psf
SD	1.321
R	4

WOOD

STRUCTURAL LUMBER SHALL CONFORM TO WESTERN SOFTWOOD ASSOCIATION FOR GRADING.

-POSTS SHALL BE 6 X P.T HF#2 U.N.O

-POSTS SHALL BE PRESSURE TREATED TO 0.60 pcf RETENTION CCA ACCORDANCE WITH UBC STD 25-12 AND A.W.P.A LP-44.

-POSTS SHALL BE CENTERED ON THE FOOTING.

-GIRTS SHALL BE 2 X 6 DF#2 @ 24" O.C U.N.O

-RAFTERS SHALL BE 2 X 6 DF#2 @ 24" O.C U.N.O

FASTENERS, ANCHORS AND CONNECTORS

- BOLTS SHALL BE 3/4 DIAMETER MACHINE BOLTS WITH WASHERS AND NUTS AND SHALL CONFORM TO ASTM.
- WHERE BOLTS COME INTO CONTACT WITH PRESSURE TREATED WOOD WHEN CHEMONITE IS USED THEY SHALL BE GALVANIZED STEEL.
- NUTS FOR BOLTS SHALL BE EITHER CROWN NUTS OR NYLON LOCKNUTS AND SHALL BE TIGHTENED TO THE APPROPRIATE MANUFACTURER'S RECOMMENDATIONS.
- NAILS IN TREATED WOOD SHALL BE HOT DIPPED GALVANIZED

GIRT TO POST RAFTER TO BLOCKING BLOCKING TO TRUSS (NAILS AT EACH SIDE U.N.O)	(3) 16d

GENERAL NOTES

THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE OWNER /CONTRACTOR SHALL NOTIFY THE BUILDING CODE DIVISION OF ANY DESCREPENCIES. CHANGES,OMISSIONS OR SUBSTITUTIONS ARE NOT PEMITTED WITHOUT THE APPROVAL OF THE BUILDING DEPARTMENT HAVING JURISDICTION. ALL WORKMANSHIP SHALL CONFORM TO OREGON STRUCTURAL SPECIALTY CODE.

THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION . THE CONTRACTOR/OWNER IS RESPONSIBLE FOR METHODS AND/ SEQUENCES OF ASSEMBLING THE STRUCTURE. THE CONTRACTOR/OWNER IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING THE CONSTRUCTION AND PRIOR TO COMPLETION OF ALL WALLS, ROOF AND FLOOR DIAPHRAGMS

DRILLED FOUNDATION

THE FOOTING SHALL BEAR ON NATIVE, INORGANIC, UNDISTURBED NATIVE SOIL BELOW EXISTING GRADE. ALL STRUCTURAL FOOTINGS SHALL BE EXTENDED MINIMUM 4'-0" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE ON PLANS. THERE SHALL BE 95% COMPACTION OF ALL BACKFILL FOR SLAB ON GRADE IN ACCORDANCE OF ASTM D1557 MODIFIED PROCTOR DENSITY.

BACK FILL IN THE ANNULAR SPACE AROUND THE POSTS SHALL BE BY ONE OF THE FOLLOWING METHODS:

A. CONCRETE WITH THE ULTIMATE STRENGTH OF MIN. 2000 PSI.

B. CLEAN SAND: THE SAND SHALL BE COMPACTED BY TAMPING IN LAYERS NOT MORE THAN 8" IN DEPTH

C. GRANULAR BACKFILL: THE GRANULAR BACKFILL SHALL BE 3/4 (-) GRAVEL OR CRUSHED ROCK. BACKFILL SHALL BE COMPACTED BY TAMPING IN LAYERS NOT MORE THAN 8" IN DEPTH.

D. NO SPECIAL INSPECTION FOR COMPACTION BY TAMPING

CONCRETE SLAB ON GRADE IS NOT DESIGNED BY S&T CONSULTING.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR OR THE OWNER. THE SUBGRADE FOR THE SLAB SHALL BE PREPARED ACCORDING TO ASTM D1557.

CONTROL JOINTS ARE RECOMMENDED TO CONTROL CRACKING.

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CONSULTING ENGINEERS
S & T
6635 Skyline Road S.
Salem, OR 97306
Tel. : (503) 931-2767

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 16953PE OREGON NOV. 16, 2012 REBEKAH TAMERIUS EXPIRES: 6/30/24

MHS SOFTBALL BATTING CAGE STRUCTURE - REBID

PROJECT NO.: 22.48

SOUTH COAST EDUCATION SERVICE DISTRICT FIELD
1400 TEAKWOOD AVE.
COOS BAY, OR 97420

CONSTRUCTION

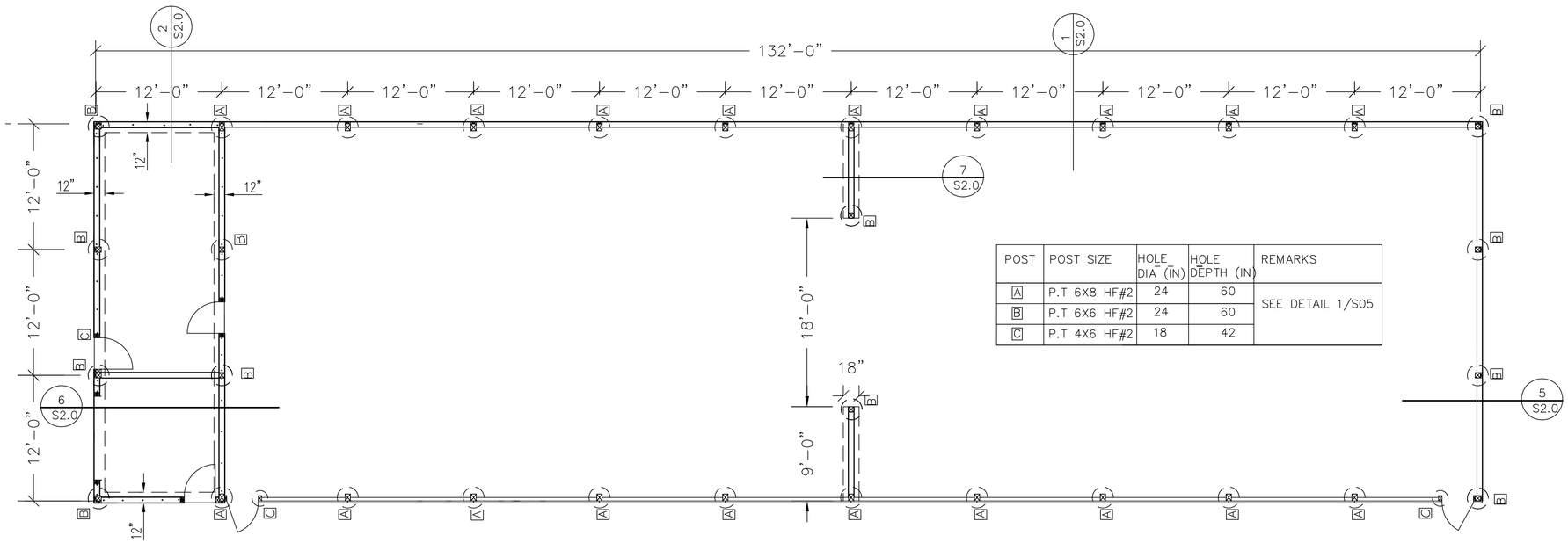
REVISIONS:

#	DATE	DESCRIPTION

DATE: OCTOBER 2023

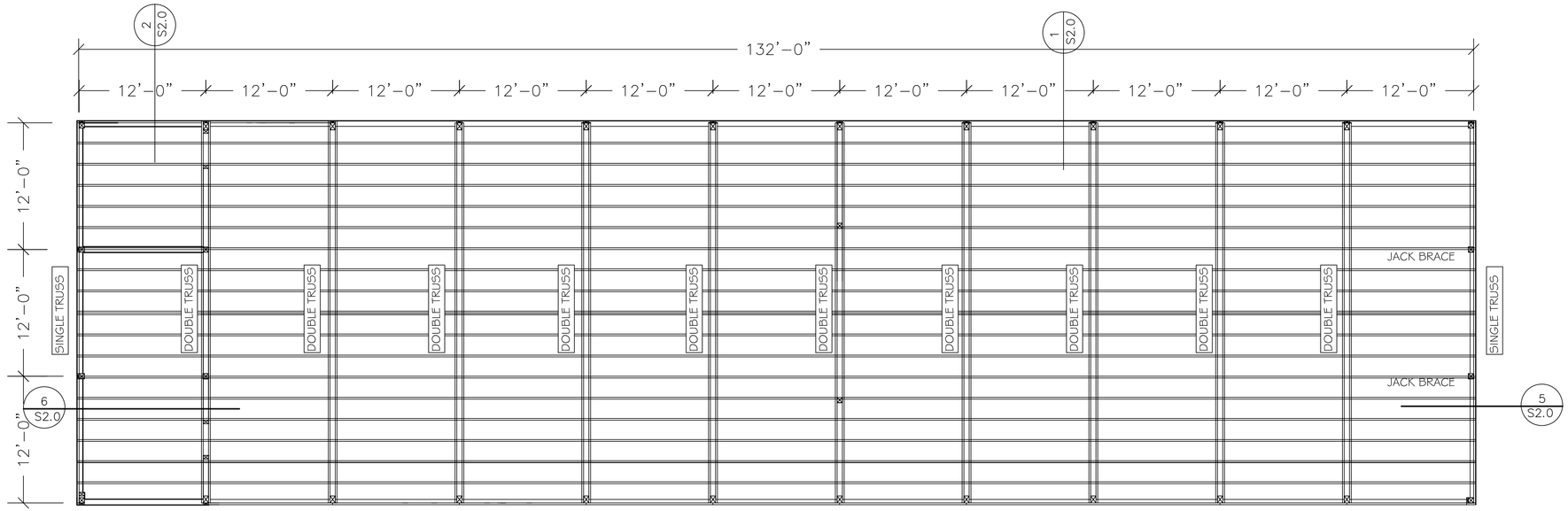
SHEET TITLE: GENERAL NOTES

S0.0



POST	POST SIZE	HOLE DIA (IN)	HOLE DEPTH (IN)	REMARKS
A	P.T 6X8 HF#2	24	60	SEE DETAIL 1/S05
B	P.T 6X6 HF#2	24	60	
C	P.T 4X6 HF#2	18	42	

2 S1.0 FOUNDATION/ FLOOR PLAN



PLAN NOTES:

1. 2X6 DF#2 @ 24" O.C TYPICAL RAFTERS
2. MIN. 29 GAGE METAL ROOF SHEATHING PER 6/S3.0
3. MAX. 1'-0" OVERHANG (OPTIONAL)

2 S1.0 ROOF FRAMING PLAN

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Tel. : (503) 931-2767

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 16953PE OREGON JULY 10, 1981 BRIAN TAMERHOLT
EXPIRES: 6/30/24

PROJECT NO.: **22.48**

MHS SOFTBALL BATTING CAGE STRUCTURE - REBID

SOUTH COAST EDUCATION SERVICE DISTRICT FIELD
1400 TEAKWOOD AVE.
COOS BAY, OR 97420

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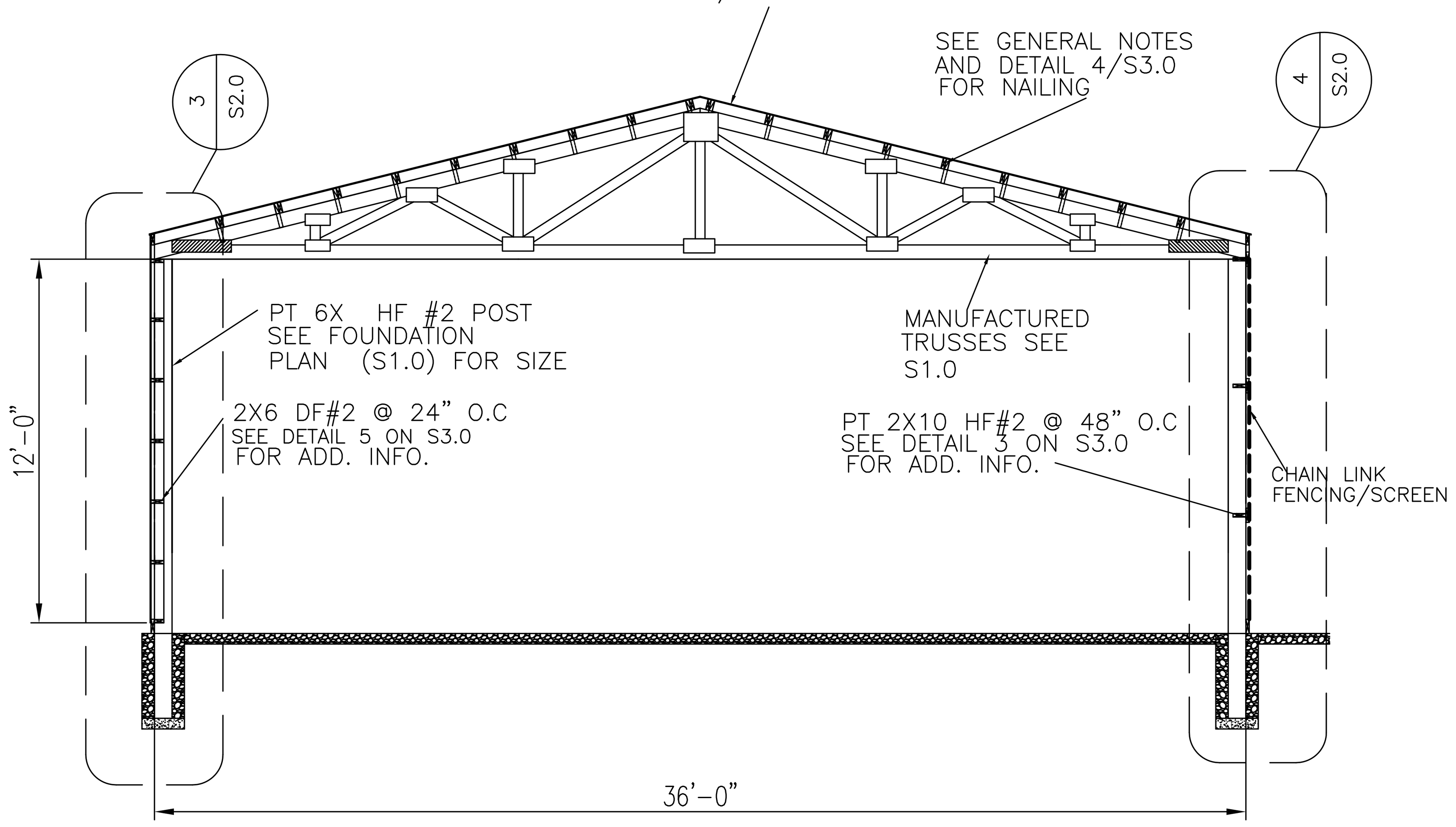
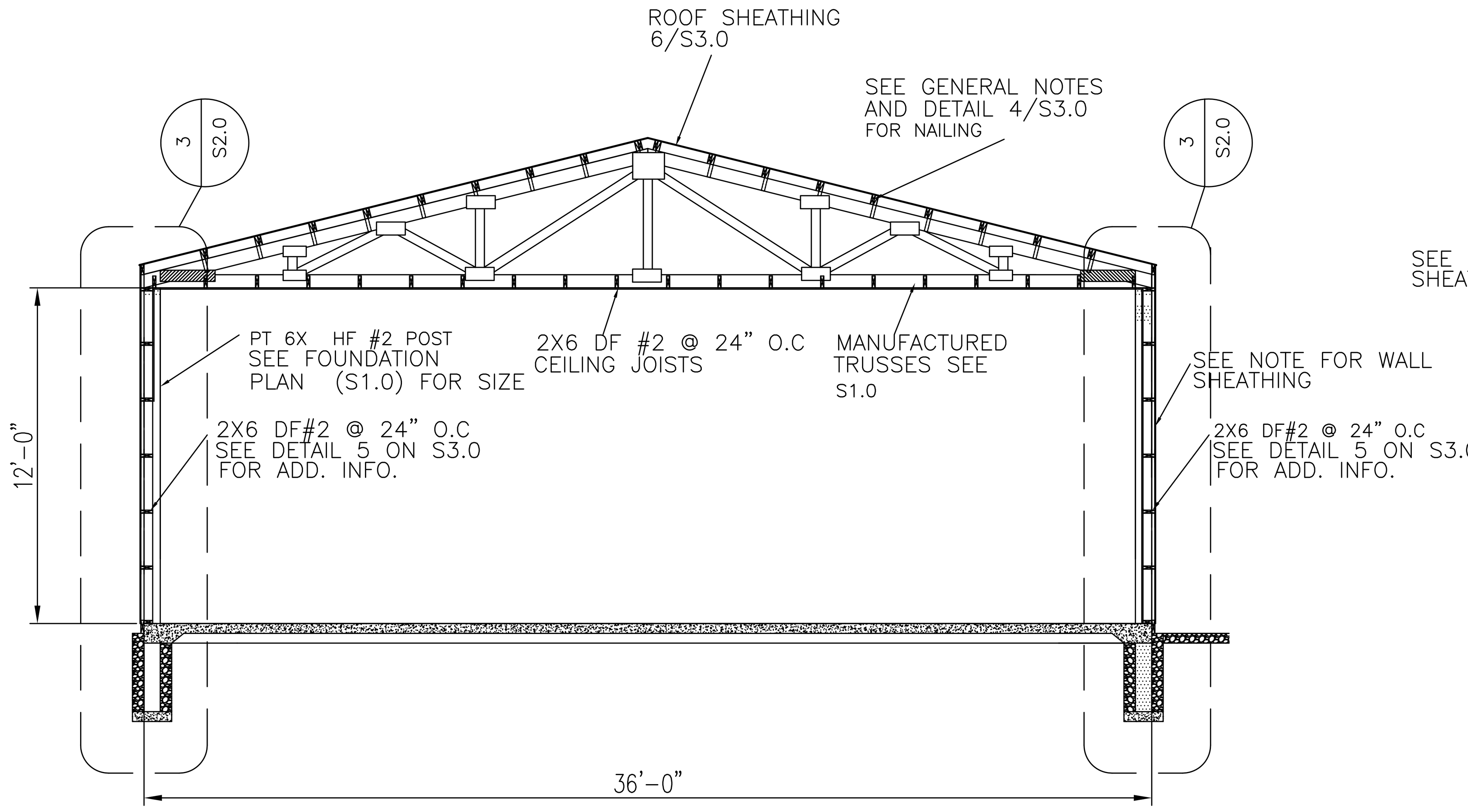
DATE: OCTOBER 2023

SHEET TITLE:
PLANS
-FOUNDATION
-ROOF

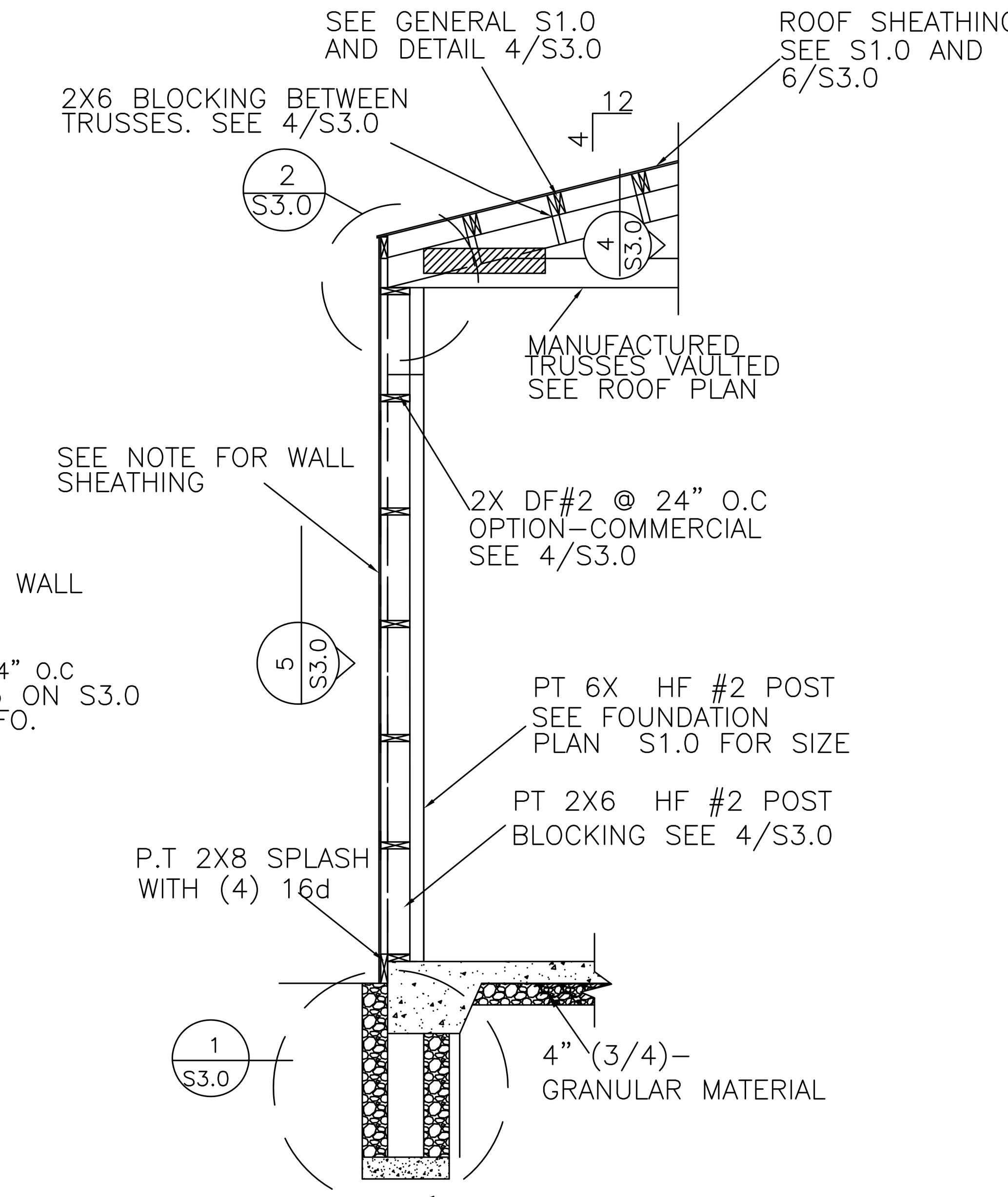
S0.0



1 S2.0 TYPICAL BUILDING SECTION

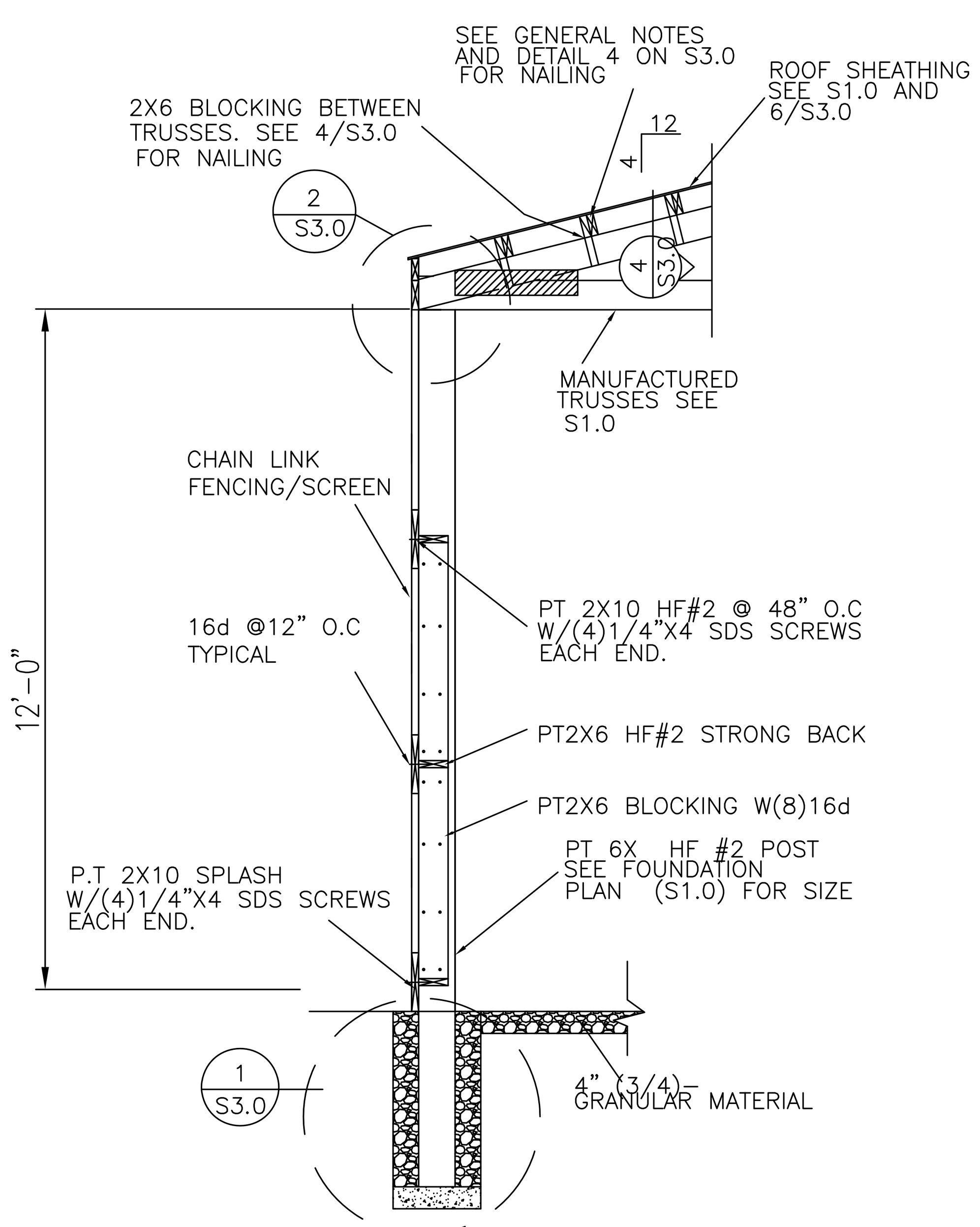


2 S2.0 TYPICAL BUILDING SECTION

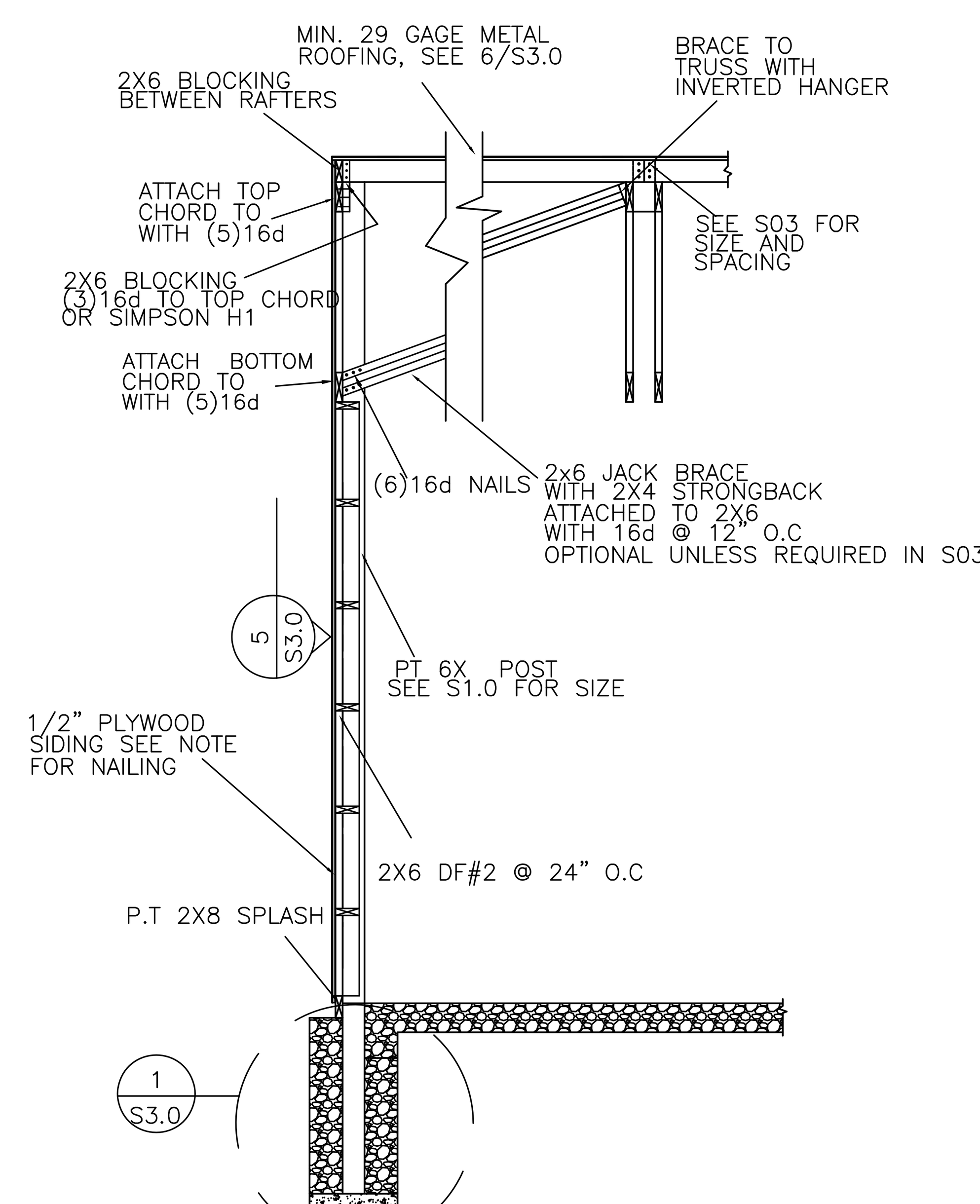


3 S2.0 FRAME SECTION/ SIDE WALL N.T.S

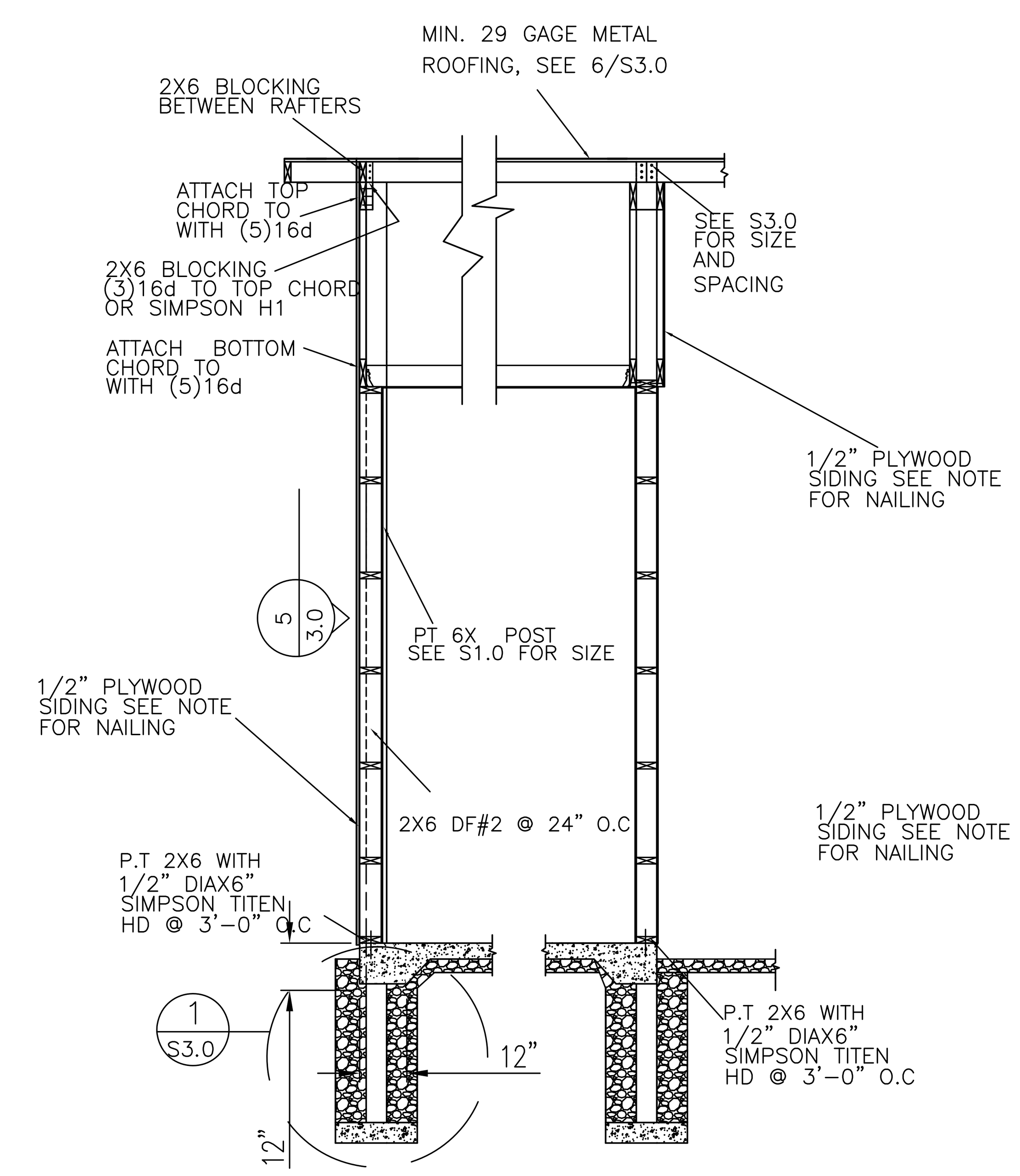
WALL SHEATHING NOTE:
1/2" PLYWOOD SIDING WITH 8d@6" O.C EDGES AND 12" O.C FIELD BLOCK ALL JOINTS, AND 1X2 BATTENS @ 24" O.C



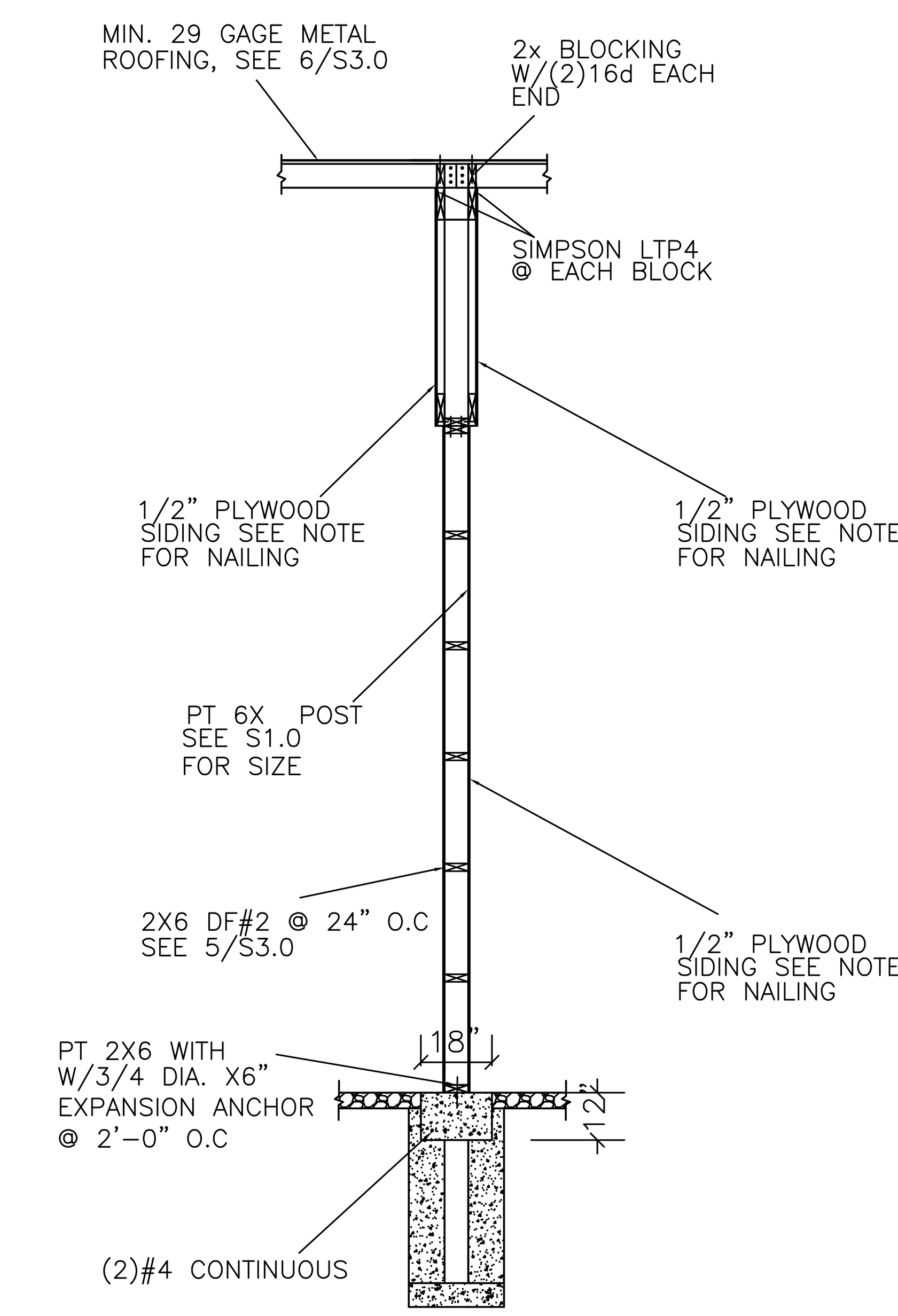
4 S2.0 FRAME SECTION/ SIDE WALL N.T.S



5 S2.0 FRAME SECTION/ GABLE WALL/OFFICE N.T.S



6 S2.0 FRAME SECTION/ GABLE WALL N.T.S



7 S2.0 SECTION AT INTERIOR SHEAR WALL N.T.S

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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 16953PE OREGON NOV. 16, 1993 BEHAI TAMERHOULET EXPIRES: 6/30/24

PROJECT NO.: 22.48

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SOUTH COAST EDUCATION SERVICE DISTRICT FIELD
1400 TEAKWOOD AVE.
COOS BAY, OR 97420

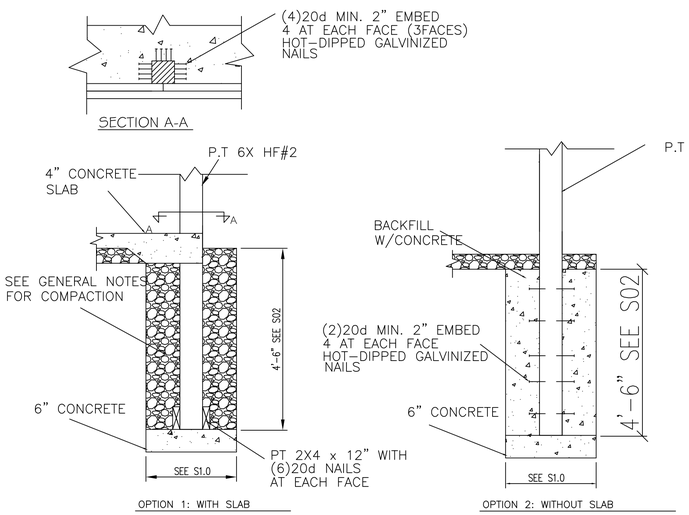
CONSTRUCTION

REVISIONS:
DATE DESCRIPTION

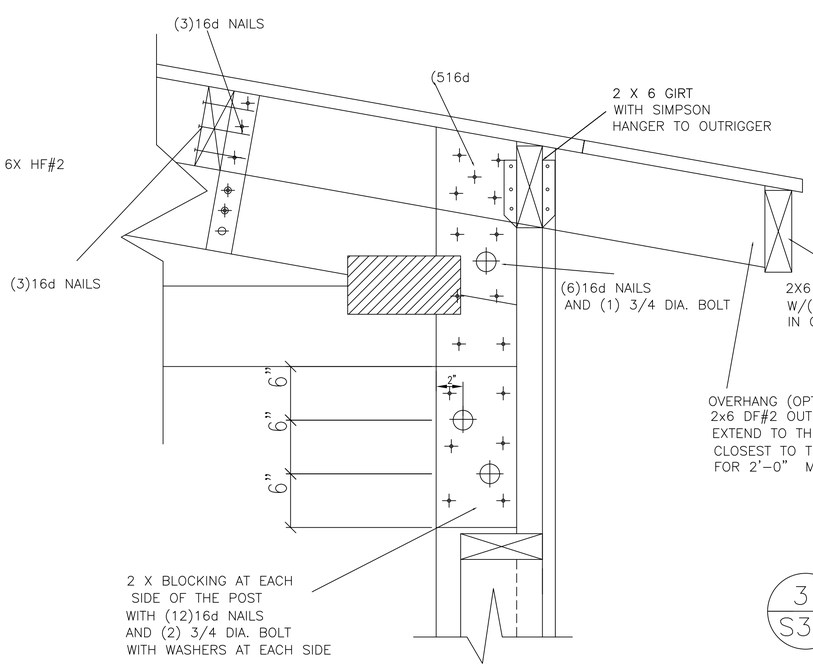
DATE: OCTOBER 2023

SHEET TITLE:
SECTIONS DETAILS

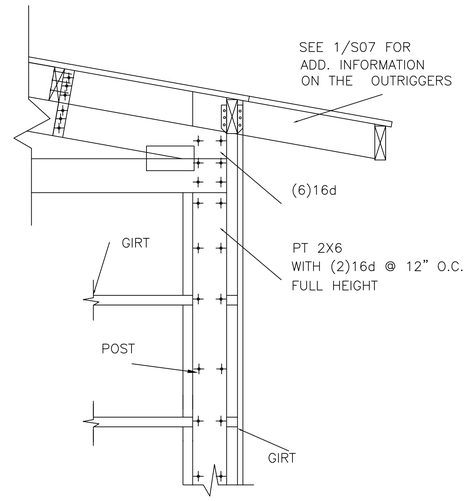
S2.0

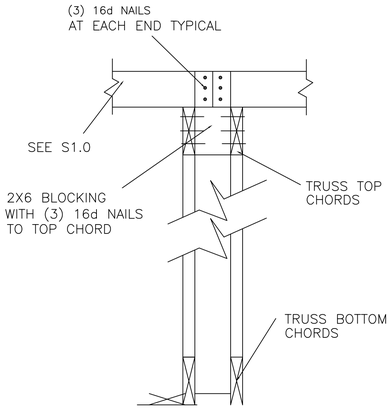


1 S3.0 FOUNDATION DETAIL



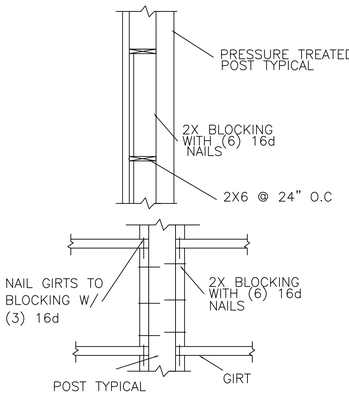
3 S3.0 GABLE END WALL TRUSS CONNECTION



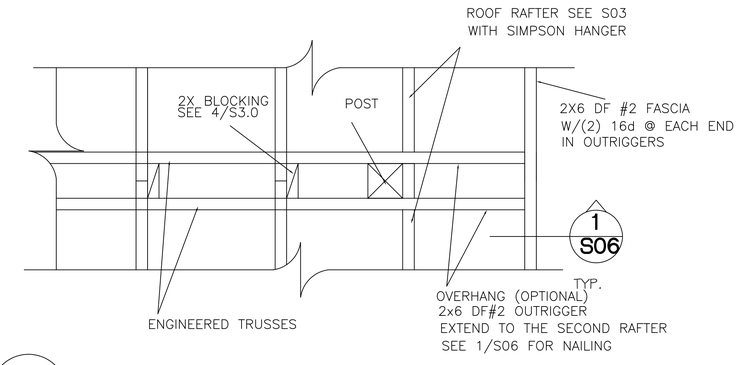


4 S3.0 TYPICAL PURLIN TO TRUSS CONNECTION DETAIL

2 S3.0 TRUSS TO POST CONNECTION DETAIL



5 S3.0 GIRT TO POST CONNECTION DETAIL

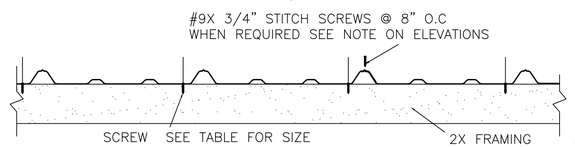


7 S3.0 OUTRIGGER/OVERHANG DETAIL

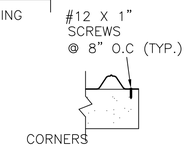
NOTES

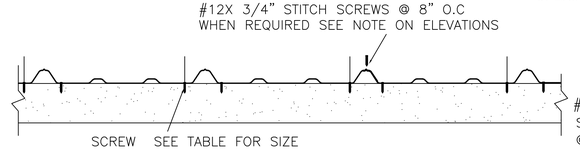
- ALL ROOF AND SIDE, AND GABLE WALL METAL SHEATHING, WHERE NOTED, SHALL BE MINIMUM 29 GAGE WITH RIP PATTERN AT 9" INTERVALS FASTEN METAL SHEATHING TO EACH GIRT AND PURLIN AS SHOWN BELOW OR ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS WHICHEVER IS MORE RESTRICTIVE.
- BLOCKING IS REQUIRED BETWEEN GIRTS AND PURLINGS IN ORDER TO COMLY WITH SCREW SPACING AT CORNERS AND OPNINGS.
- STITCH SCREWS MAY BE USED ON SEAM RIB IF DESIRED OR OTHERWISE REQUIRED BY DESIGN (SEE PLANS), BUT NOT NECESSARY IF WALL AND ROOF PANEL LAPS ARE PLACED IN THE DIRECTION OF PREVALING WIND.

PREVAILING WIND DIRECTION → ——— APPLY IN THIS DIRECTION

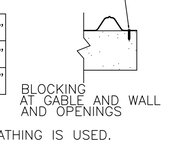


ROOF INTERMEDIATE PURLINS**	# 12 X 1" @ 9" O.C
SIDE WALLL INTERMEDIATE GIRTS**	# 12 X 1" @ 9" O.C
GABLE WALLL INTERMEDIATE GIRTS**	# 12 X 1" @ 9" O.C





SIDE WALL EAVE AND SPLASH BOARD**	# 12 X 1-1/2"
GABLE WALL TRUSS TOP CHORD AND SPLASH BOARD**	# 12 X 1-1/2"
RIDGE**	# 12 X 1-1/2"



** INCREASE THE LENGTH OF SCREWS BY 1/2" IF PLYWOOD OR OSB SHEATHING IS USED.

6 S3.0 WALL AND ROOF SHEATHING FASTENING DETAIL

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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 16953PE OREGON NOV. 16, 2012 REBA TAMERIHOLT EXPIRES: 6/30/24

PROJECT NO.: 22.48

MHS SOFTBALL BATTING CAGE STRUCTURE - REBID

SOUTH COAST EDUCATION SERVICE DISTRICT FIELD
1400 TEAKWOOD AVE.
COOS BAY, OR 97420

CONSTRUCTION

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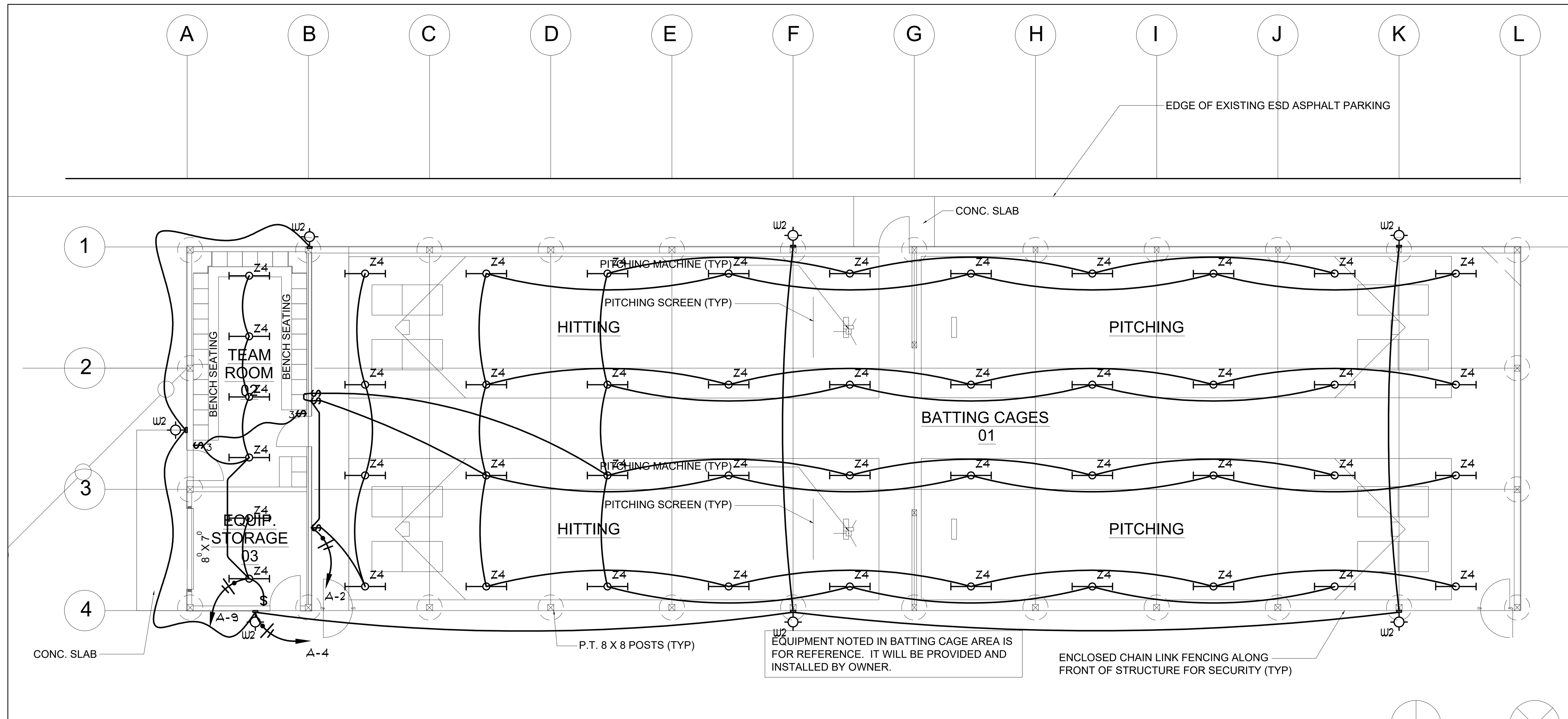
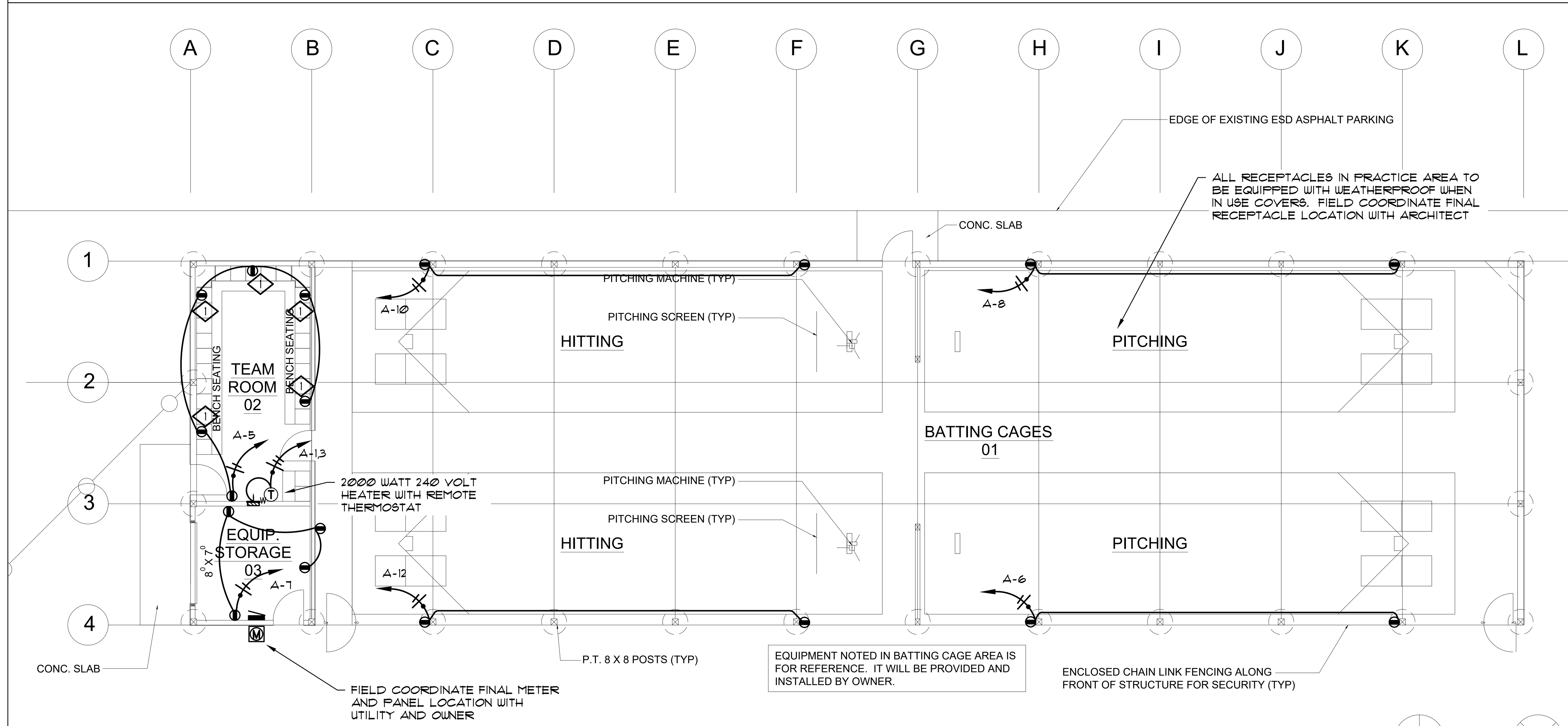
DETAILS

S3.0



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



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

LIGHT FIXTURE SCHEDULE

W2 LED WALL PACK. LITHONIA WPX0 LED AL04 SWW2 (4000) MVOLT DDBXD WITH PHOTOCELL. 13 WATTS

Z4 4-FOOT LED LENSED STRIP. LITHONIA Z-SERIES ZLID L48 SMR 5000LM FST 35K 80CRI OR APPROVED. 41 WATTS

PANEL ' A ' — FAULT CURRENT = 6,537

100 AMP MAIN BREAKER — **120 / 240 VOLTS** — **1-PHASE, 3-WIRE**

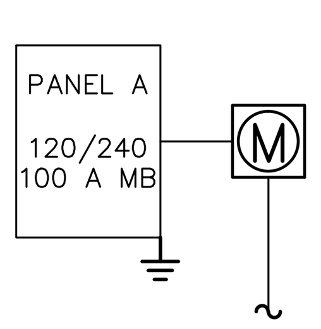
FEEDER SIZE — **ALUMINUM: 1 1/2" C, 3 #1/0 PH, #6 GRD** — **FLUSH MOUNTED**

LOAD DISTRIBUTION	LTG	REC	MOTOR	DATA	EXTG	HEAT	MISC	PH-A	PH-B	TOTAL	AMPS	WITH SPARE	25%
CONNECTED VA	1977	2340	0	0	0	2000	0	3786	2531	6317	32	7896 VA	39
DIVERSITY FACTOR	125%	100%	100%	100%	65%	100%	100%						
DIVERSIFIED VA	2471	2340	0	0	0	2000	0	4258	2554	6811	35	8514 VA	44

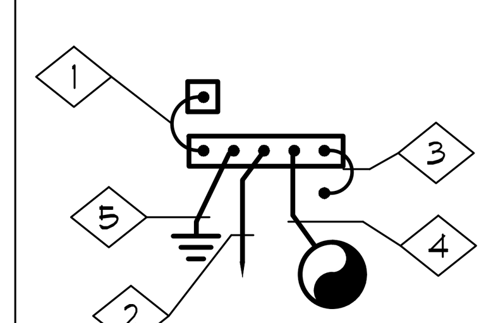
PL	T	LOAD	VA	HP	PHW	GND	CON	BKR		PH		BKR	CON	GND	PHW	HP	VA	LOAD	T	PL
1	H	HEATER	1000		12	12	1/2	20	2	A	1	20	1/2	12	12		1640	LTS: CAGES	L	2
3	H		1000							B	1	20	1/2	12	12		91	LTS: EXTERIOR	L	4
5	R	REC: TEAM ROOM	180		12	12	1/2	20	1	A	1	20	1/2	12	12		360	REC: CAGES	R	6
7	R	REC: EQUIP STORE	720		12	12	1/2	20	1	B	1	20	1/2	12	12		360	REC: CAGES	R	8
9	L	LTS: TEAM / STORE	246		12	12	1/2	20	1	A	1	20	1/2	12	12		360	REC: CAGES	R	10
11										B	1	20	1/2	12	12		360	REC: CAGES	R	12
13										A										14
15										B										16
17										A										18
19										B										20
21										A										22
23										B										24

A — 10/9/2023 — FED FROM UTILITY TRANSFORMER

ALL CIRCUIT CONDUCTORS SIZED FOR COPPER — 23.07 Schedules



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



GROUNDING NOTES

1. #2/0 KCMIL CU MAIN BONDING JUMPER PER NEC 250-28(d)
2. #2/0 KCMIL CU GROUNDING ELECTRODE SYSTEM TO ALL ITEMS IN NEC 250-104
3. #6 CU EQUIPMENT BONDING JUMPER PER NEC 250-92 & 250-102(d)
4. #6 CU BOND TO INTERNAL METAL PIPING SYSTEM PER NEC 250-104(c)
5. #4 CU TO CONCRETE ENCASED ELECTRODE PER NEC 250-50

4 E1 **GROUNDING DETAIL**
DIAGRAMMATIC

KEYED NOTES

1. RECEPTACLES AT LOCKERS ARE INTENDED TO BE MOUNTED 6" ABOVE LOCKERS. FIELD COORDINATE FINAL RECEPTACLE LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH–IN TO ACCOMMODATE LOCKER INSTALLATION.

PROJECT NOTES

1. ELECTRICAL SERVICE: FIELD COORDINATE ELECTRICAL SERVICE WITH OWNER AND UTILITY.
2. 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.
3. NEW UTILITY SERVICE: IF PROVIDING NEW UTILITY SERVICE, GROUND AND BOND PER NEC. FIELD COORDINATE ALL REQUIREMENTS WITH SERVING UTILITY.

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REGISTERED PROFESSIONAL ENGINEER 65580
OREGON
JULY 13, 2004
GREGORY L. PRIDE
EXPIRES 12-31-24

PROJECT NO.: 22.48

MHS SOFTBALL BATTING CAGE STRUCTURE

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

CONSTRUCTION

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SHEET TITLE:
ELECTRICAL PLAN

E1