



GRANT COUNTY FIRE DISTRICT
ADDRESS: 20643 Rd 22.5 SW Mattawa, WA 99349
PARCEL: 031407000
TOTAL LOT AREA: 5 ACRES(217,800 SF)
CONCRETE AREA:
BUIDLING & CORNER AREAS:
SHED(CLEAN TD): 240 SF.
NEW SHOP: 7200 SF.

TOTAL COVERAGE: 7440 SF. (3.42%)
TOTAL LANDSCAPE: 0 SF. (0%)

- SCOPE OF WORK:
- PERFORM COMPLETE SITE IMPROVEMENTS AS PER THESE PLANS AND SPECIFICATIONS
 - PERFORM COMPLETE STRUCTURAL BUILDING INSTALLATION INCLUDING:
 - FOUNDATION
 - ELECTRICAL (ROUGH & FINISH)
 - PLUMBING (ROUGH & FINISH)
 - INSULTALION & DRYWALL FINISH BATHROOM ONLY
 - HVAC
 - PROPANE
- EXCEPT WITH THE EXCLUSION OF:
- DRYWALL & INSULATION INSTALLATION OF ALL OTHER AREAS.

CIVIL-SHEET INDEX	
NO	DETAIL
S1	COVER SHEET
S2	DEMOLITION & CLEARING PLAN
S3	SET BACKS & SITE PLAN
S4	GRADING PLAN
S5	DRAINAGE PLAN
S6	UTILITY PLAN

BLDG-SHEET INDEX	
NO	DETAIL
1	ELEVATIONS
2	ELEVATIONS
3	BUILDING LAYOUT
4	POST & FOUNDATION LAYOUT
5	FOUNDATION FORM LAYOUT
6	FOUNDATION DETAILS
7	ROOF FRAMING
8, 9 & 10	POST FRAMING
11	MEZANNINE FRAMING
12, 13 & 14	WALL FRAMING
15	CONSTRUCTION DETAILS
16	FENCE & PROPANE TANK INSTALLATION
17	FENCE & TANK INSTALLATION DETAIL
18	CONCEPTUAL ELECTRICAL PLAN
19	INFRARED HEATER DETAIL
20	SECTIONAL DOOR DETAIL (INFORMATIONAL ONLY)

GENERAL BLDG. DATA	
ITEMS	FEET
WIDTH	60
LENGTH	120
EAVE HT.	22' & 18'
ROOF PITCH	4
FRAME SPACING	AS SPECIFIED
TRUSS SPACING	VARIES
GIRT SPACING	2'-0"

DESIGN CRITERIA	
ITEMS	UNIT
WIND SPEED	113 MPH
EXPOSURE	C
SEISMIC ZONE	D
SNOW LOAD	30 PSF
SOIL BEARING	1500 PSF

- Design Criteria**
Current Codes*:
- 2021 Washington State Building Code
 - 2021 Washington State Fire Code
 - 2021 Washington State Residential Code
 - 2021 Washington State Existing Building Code
 - 2021 Washington State Mechanical Code
 - 2021 Washington State Fuel Gas Code
 - 2021 Washington State Plumbing Code
 - 2021 Washington State Energy Code
 - Accessible & Usable Buildings & Facilities ICC A117.1-2009

REVISIONS

3/9/23

1

SEAL

REMAN CONSULTING ENGINEERS

1931422425

* STRUCTURAL DESIGN
REMAN CONSULTING ENGRS.
(916) 406-4264
7038 EL RENO AVE.,
ELVERTA, CA 95626
MALIK REHMAN, P.E.

VICINITY MAP

POLE BUILDING GARAGE

FDR: FIRE DISTRICT 8 GARAGE

20643 RD. 22.5 SW

MATTAWA, WA 99349

PARCEL # 1931422425

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DATE: 7/6/24

SCALE: N.T.S.

DRAWN BY: MR

APPROVED:

11132022

JOB-NUMBER

SHEET NUMBER:

S1

Grant County, WA

5/14/2024, 11:44:37 AM
Site address Road Centerlines State, US, Interstate
County Rural Road Parcel
County Road Parcel labels

PROPOSED GARAGE

Yakima County, Maxar, Microsoft

Web AppBuilder for ArcGIS
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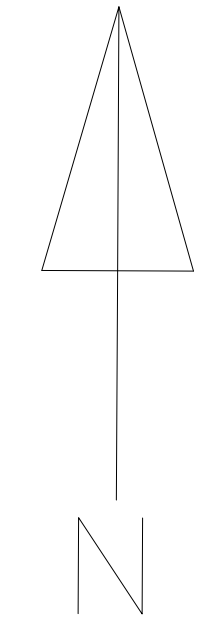
PROJECT LOCATION

Map data ©2024 Google 5 mi

22.5 SW
No reviews
Washington 99349
22.5 sw, MATTAWA, WA 98349

PLOT STYLE: 24X36 SHEETS

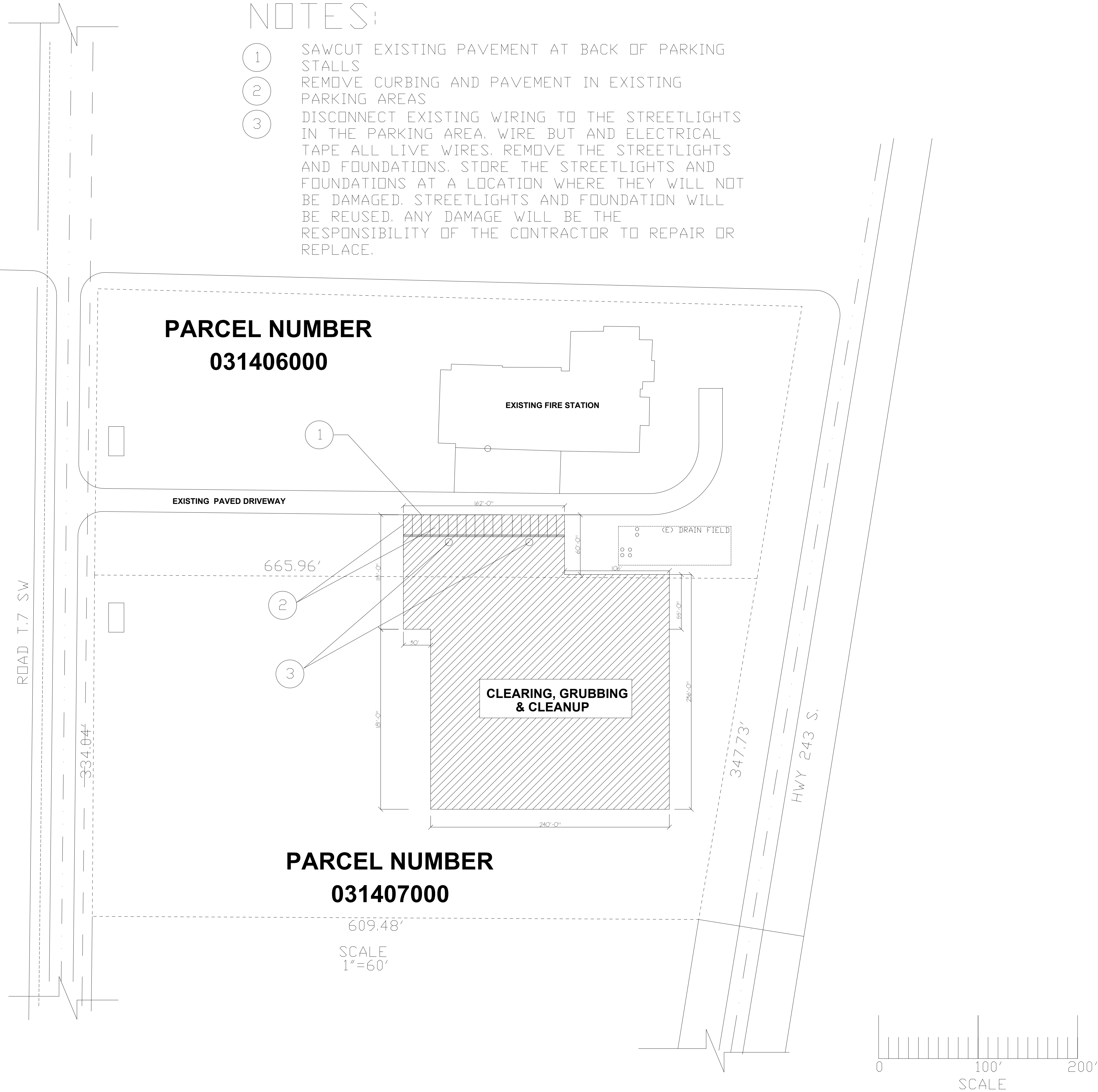
NOTE: SITE CORNERS TO BE STAKED UNDER THE SUPERVISION OF THE PROPERTY OWNER OR AN AUTHORIZED REPRESENTATIVE APPOINTED BY THE PROPERTY OWNER (DISTANCES SHOWN ARE APPROXIMATE AND TO BE CONFIRMED PRIOR TO CONSTRUCTION) (IN CASE OF ANY DISCREPANCY CONTACT ENGINEER OF RECORD FOR CLARIFICATION ANY KNOWN UTILITY CONFLICTS TO BE RESOLVED BY OWNER)



NOTES:

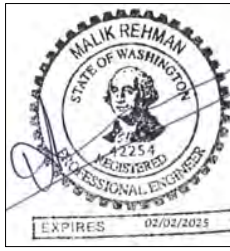
- 1 SAWCUT EXISTING PAVEMENT AT BACK OF PARKING STALLS
- 2 REMOVE CURBING AND PAVEMENT IN EXISTING PARKING AREAS
- 3 DISCONNECT EXISTING WIRING TO THE STREETLIGHTS IN THE PARKING AREA. WIRE BUT AND ELECTRICAL TAPE ALL LIVE WIRES. REMOVE THE STREETLIGHTS AND FOUNDATIONS. STORE THE STREETLIGHTS AND FOUNDATIONS AT A LOCATION WHERE THEY WILL NOT BE DAMAGED. STREETLIGHTS AND FOUNDATION WILL BE REUSED. ANY DAMAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE.

QUANTITY ESTMATE INDEX			
N O	ITEM	UNIT	QUANTITY
1	CLEARING GRUBBING & CLEAN-UP	ACRE	2.22
2	SAW CUTTING	L.F.	175
3	REMOVING CONCRETE CURB	L.F.	220
4	REMOVING ASPHALT PAVEMENT	S.Y.	325
5	REMOVING STREETLIGHT	EA.	2
6	2" PEX WATERLINE INSTALLED	L.F.	250
7	4" ABS SEWER LINE, INSTALLED	L.F.	70
8	INFILTRATION GALLERY INSTALLED	EA	1
9	2" ABS DRAIN LINE, INSTALLED	L.F.	70
10	GRADING & COMPACTION	S.Y.	2700
11	5/8" MINUS GRAVEL	C.Y.	300



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ELVERTA, CA 95624
MALIK REHMAN, P.E.

DEMOLITION
&
CLEARING PLAN

POLE BUILDING GARAGE
FOR FIRE DISTRICT 8 GARAGE
80643 RD. 28.5 SW
WATKINS, WA 98349
PARCEL # 1913142425

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AS-SHOWN

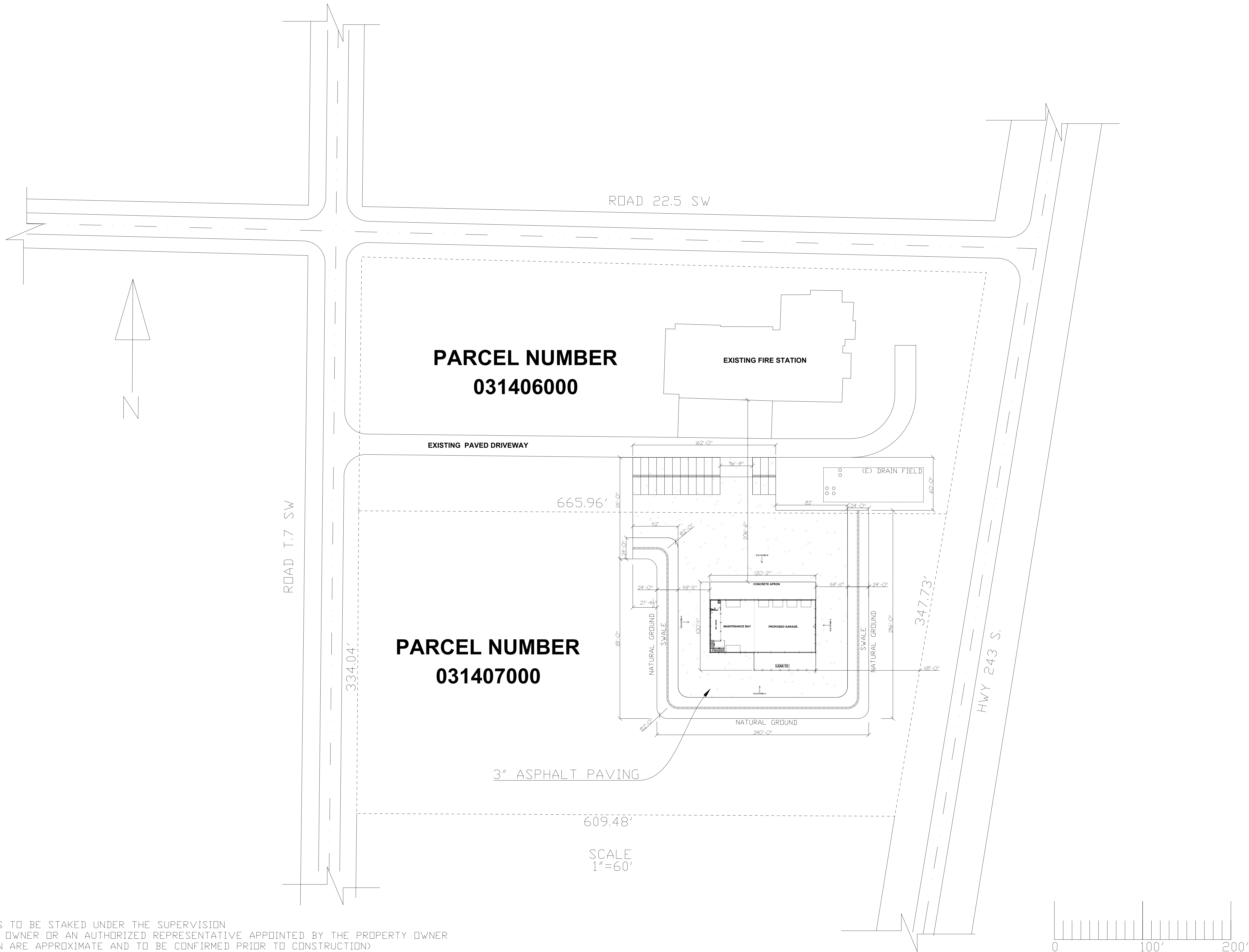
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11132022
JOB-NUMBER

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S2



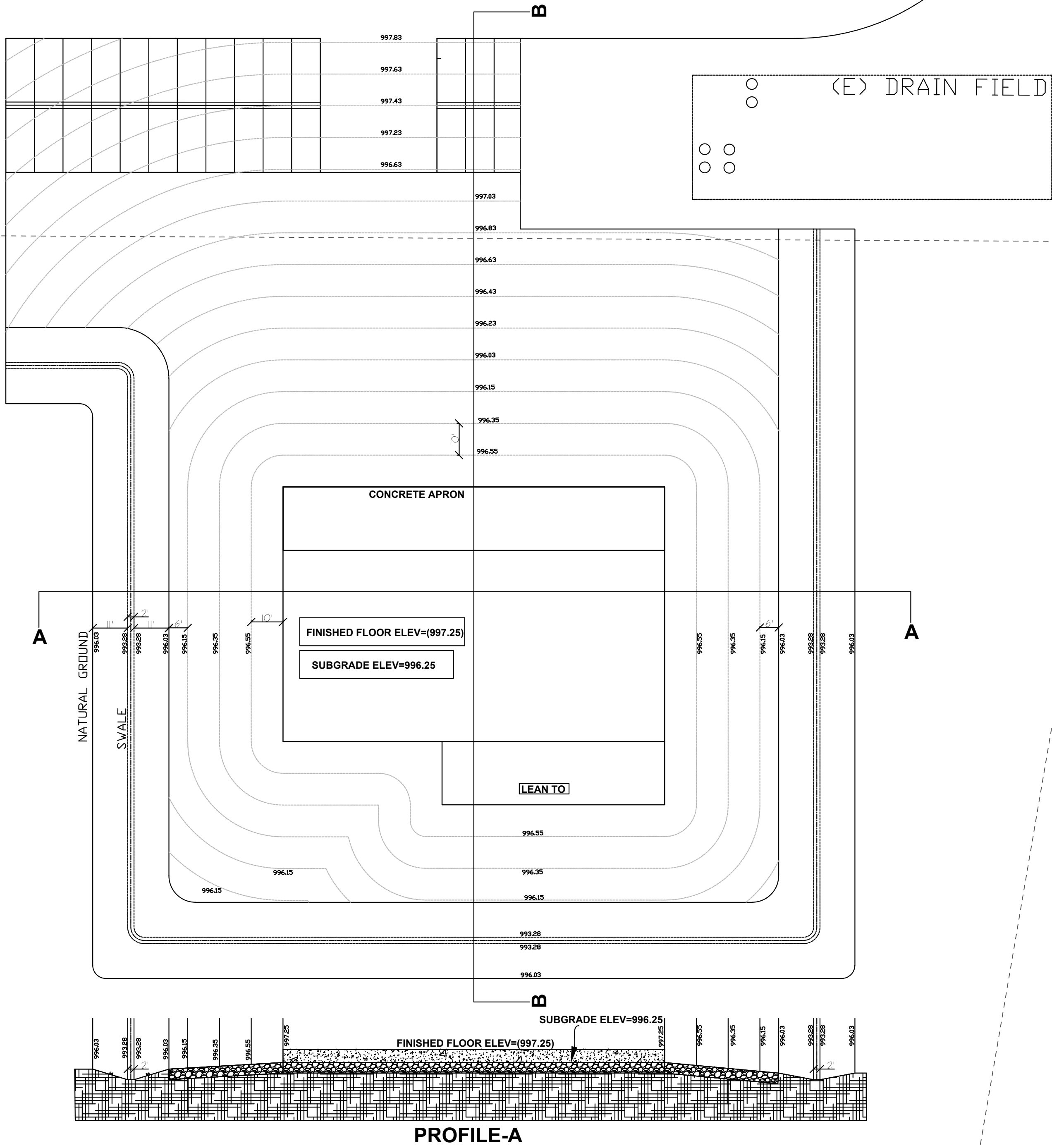
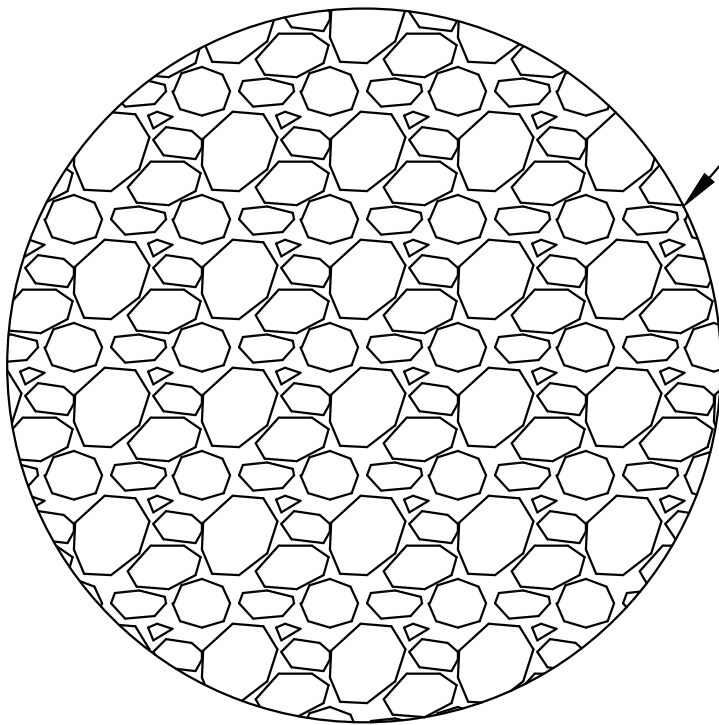
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REVISIONS	
3/9/23	1
* STRUCTURAL DESIGN REHMAN CONSULTING ENGRS. (916) 406-4264 7900 EL RENO AVE. ELVERTA, CA 95626 MALIK REHMAN, P.E.	
SITE PLAN & (SET BACKS)	
POLE BUILDING GARAGE FOR: FIRE DISTRICT 8 GARAGE 20643 RD. 28.5 SW WATYAWA, WA 98549 PARCEL # 1913142425	
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SCALE: AS-SHOWN	
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PARCEL NUMBER
031406000

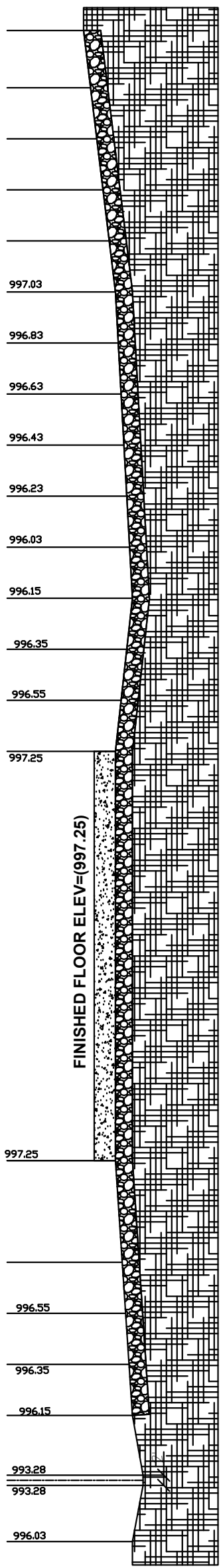
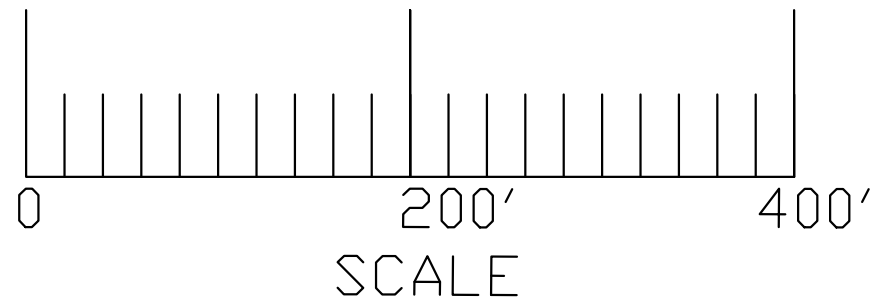
PARCEL NUMBER
031407000

STOCKPILE AREA
(STOCKPILE TO BE
A MINIMUM OF 10
FEET FROM THE
PROPERTY LINE



PROFILE-A

SCALE
1"=30'



PROFILE-B

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MALIK REHMAN, P.E.

GRADING PLAN

POLE BUILDING GARAGE
FOR: FIRE DISTRICT 8 GARAGE
80643 RD. 28.5 SW
MAYTAVA, WA 98549
PARCEL #: 191314282425

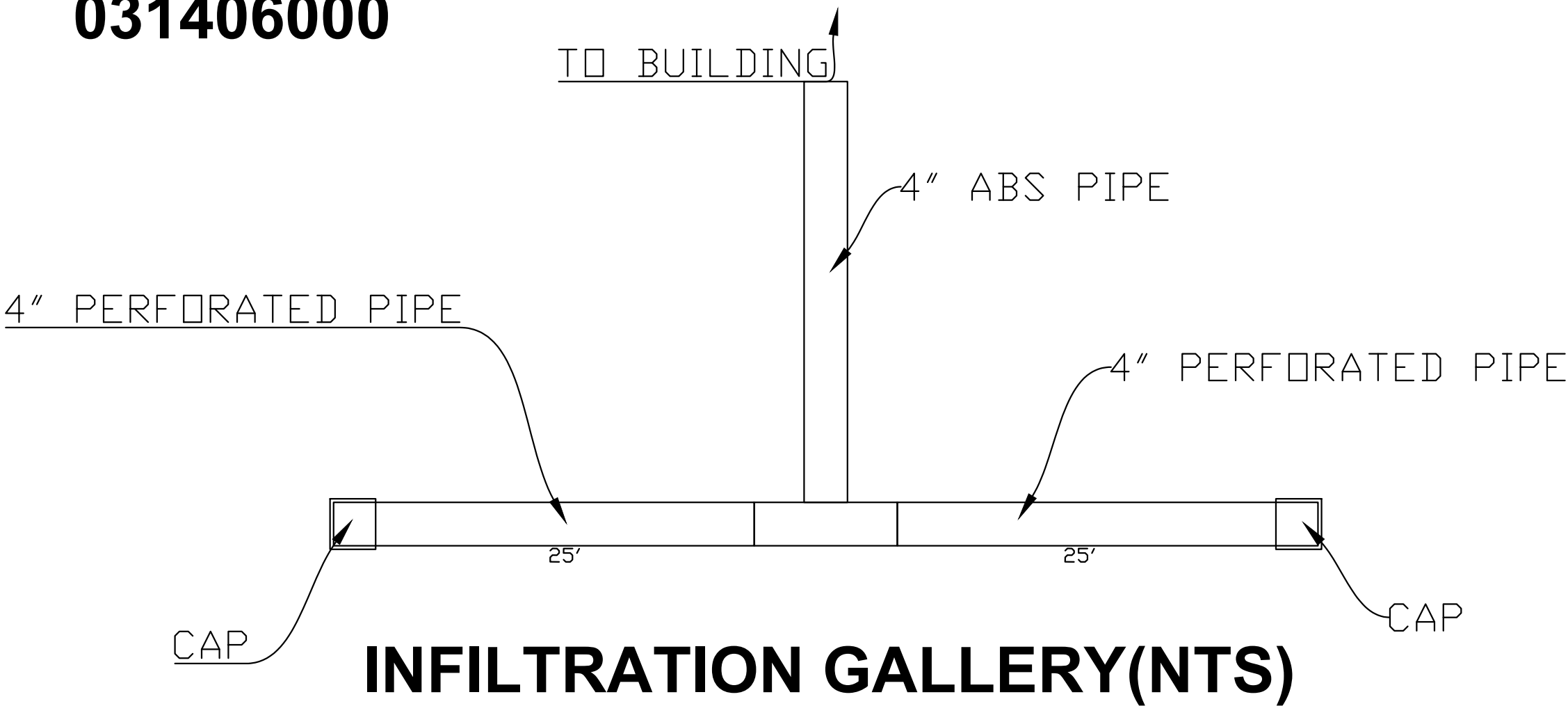
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SCALE:
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APPROVED:

11132022
JOB-NUMBER
SHEET NUMBER:

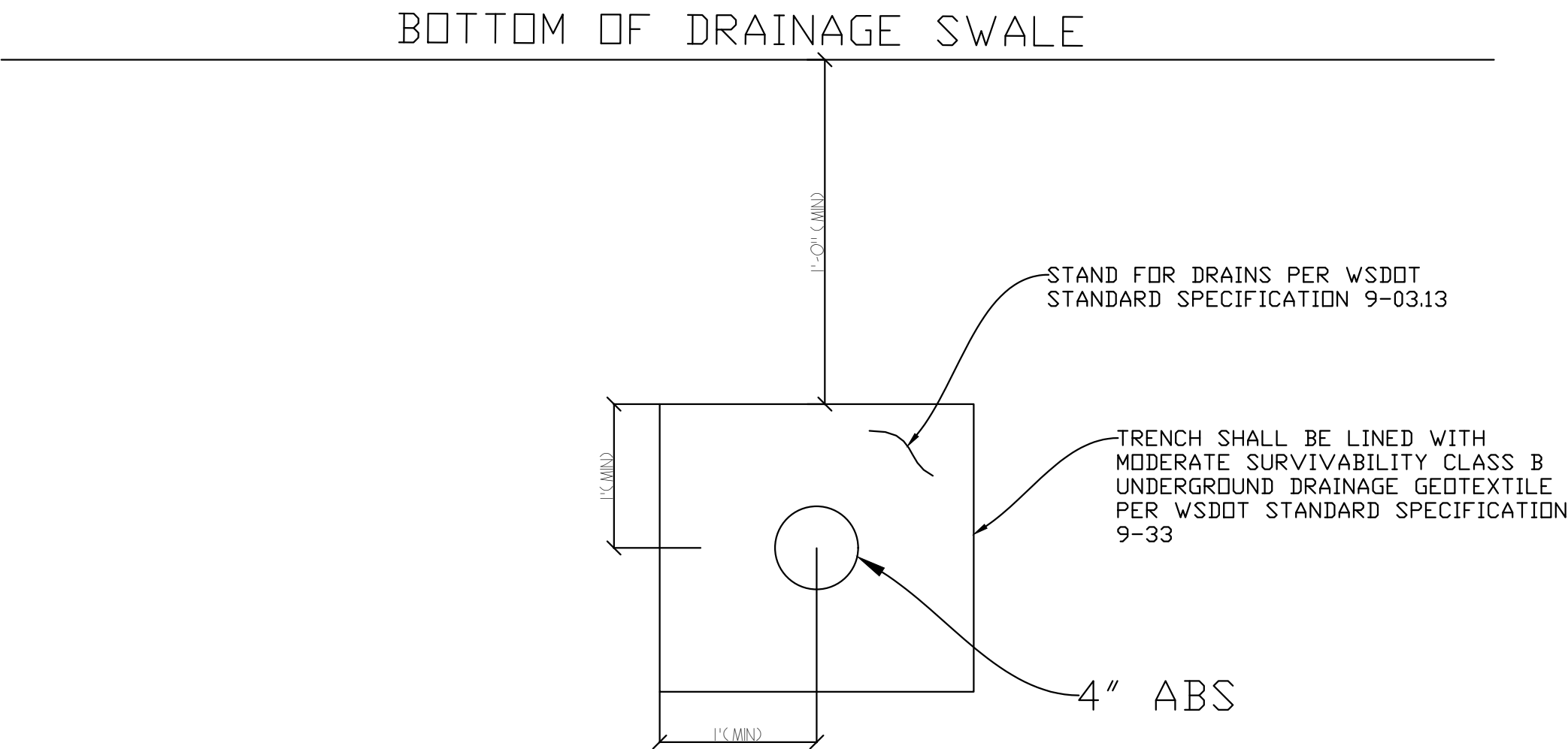
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PARCEL NUMBER
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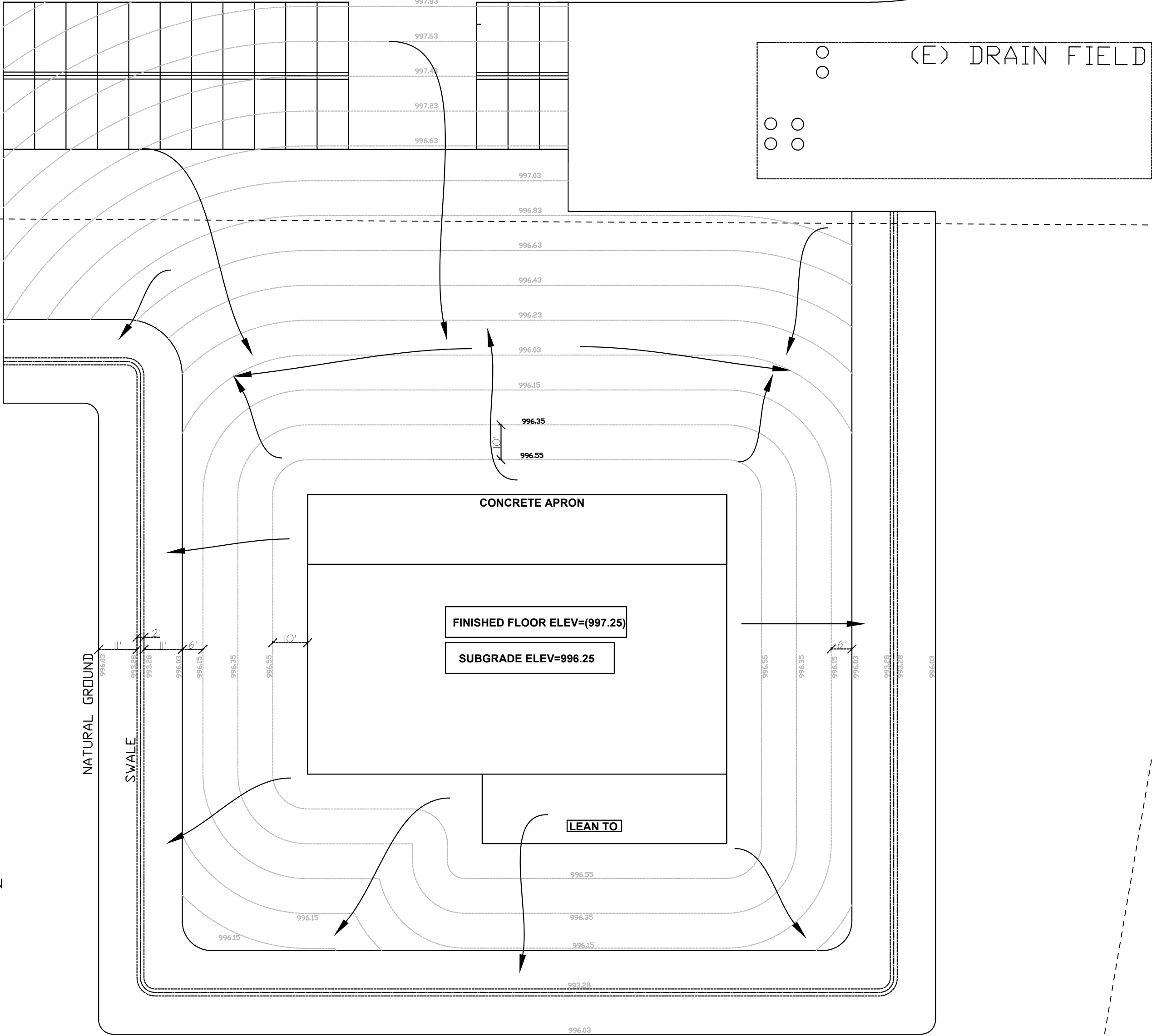


EXISTING FIRE STATION

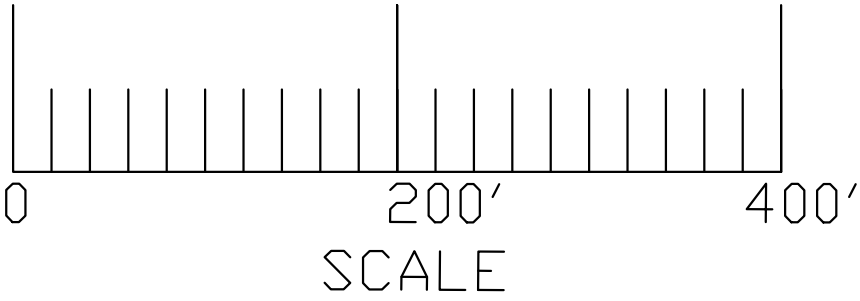
PARCEL NUMBER
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INFILTRATION GALLERY(NTS)



SCALE
1"=30'



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3/9/23	1

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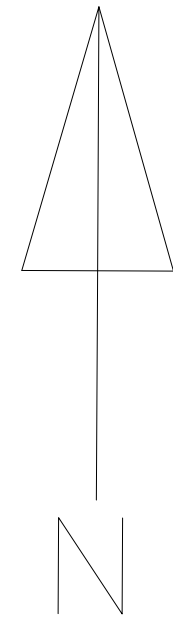
DRAINAGE PLAN

POLE BUILDING GARAGE
FOR: FIRE DISTRICT 8 GARAGE
80643 RD. 28.5 SW
MATTAWA, WA 98549
PARCEL # 1913142425

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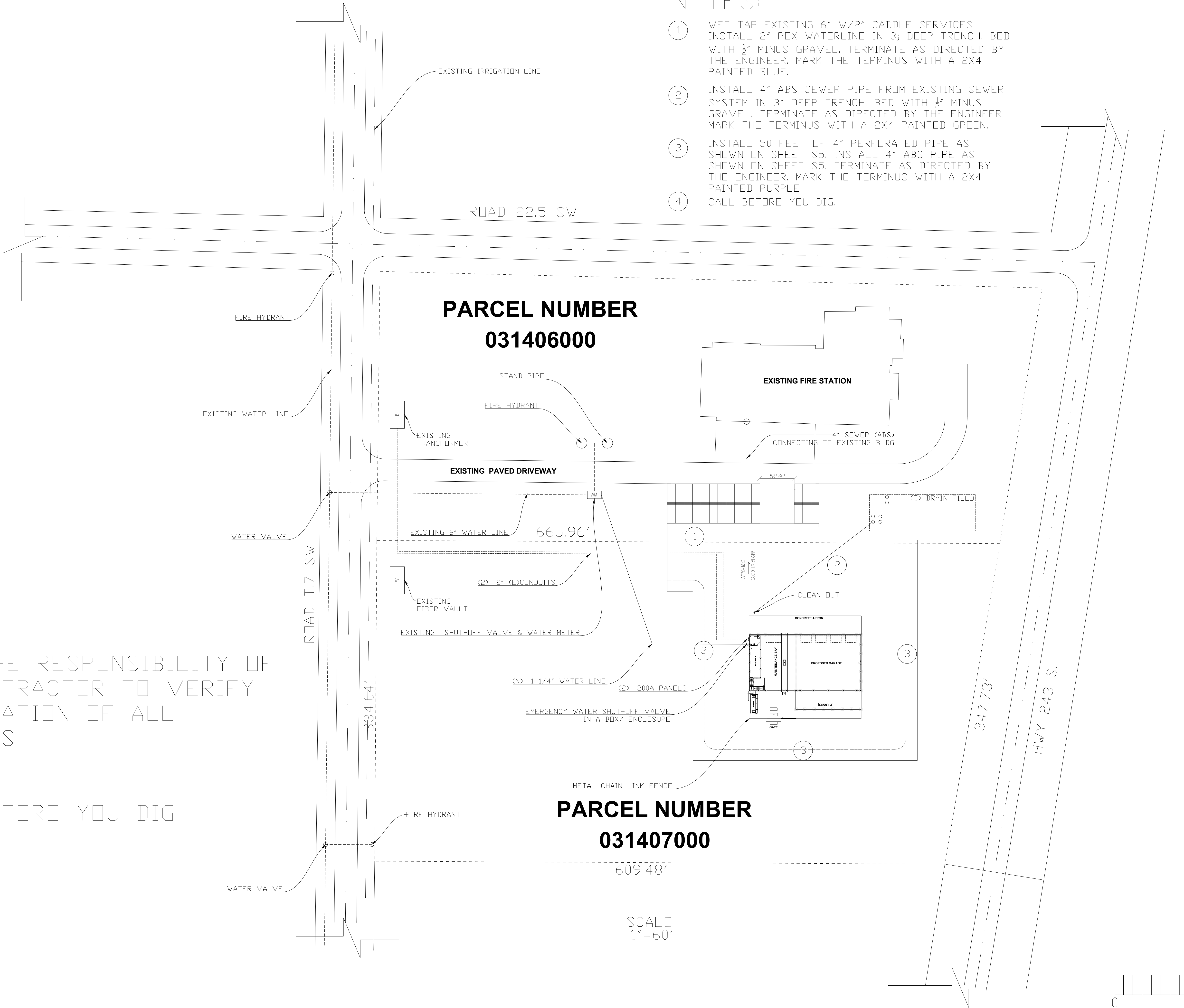
DATE:	7/6/24
SCALE:	AS-SHOWN
DRAWN BY:	MR
APPROVED:	
11132022	
JOB-NUMBER:	
SHEET NUMBER:	

S5



NOTES:

- 1
- WET TAP EXISTING 6" W/2" SADDLE SERVICES. INSTALL 2" PEX WATERLINE IN 3' DEEP TRENCH. BED WITH 1/2" MINUS GRAVEL. TERMINATE AS DIRECTED BY THE ENGINEER. MARK THE TERMINUS WITH A 2X4 PAINTED BLUE.
- 2
- INSTALL 4" ABS SEWER PIPE FROM EXISTING SEWER SYSTEM IN 3" DEEP TRENCH. BED WITH 1/2" MINUS GRAVEL. TERMINATE AS DIRECTED BY THE ENGINEER. MARK THE TERMINUS WITH A 2X4 PAINTED GREEN.
- 3
- INSTALL 50 FEET OF 4" PERFORATED PIPE AS SHOWN ON SHEET S5. INSTALL 4" ABS PIPE AS SHOWN ON SHEET S5. TERMINATE AS DIRECTED BY THE ENGINEER. MARK THE TERMINUS WITH A 2X4 PAINTED PURPLE.
- 4
- CALL BEFORE YOU DIG.



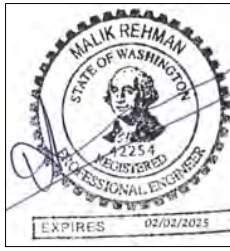
NOTES:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES

CALL BEFORE YOU DIG

REVISIONS

3/9/23	1



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MALIK REHMAN, P.E.

UTILITY PLAN

POLE BUILDING GARAGE
FOR: FIRE DISTRICT 8 GARAGE
80643 RD. 28.5 SW
WATYAWA, WA 98549
PARCEL #: 1913142425

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DATE:
7/6/24

SCALE:
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MR

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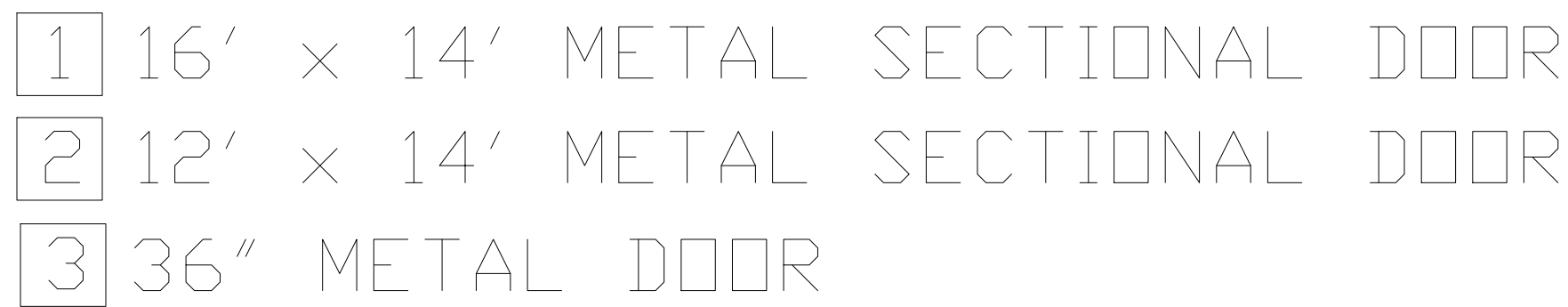
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JOB-NUMBER

SHEET NUMBER:

S6



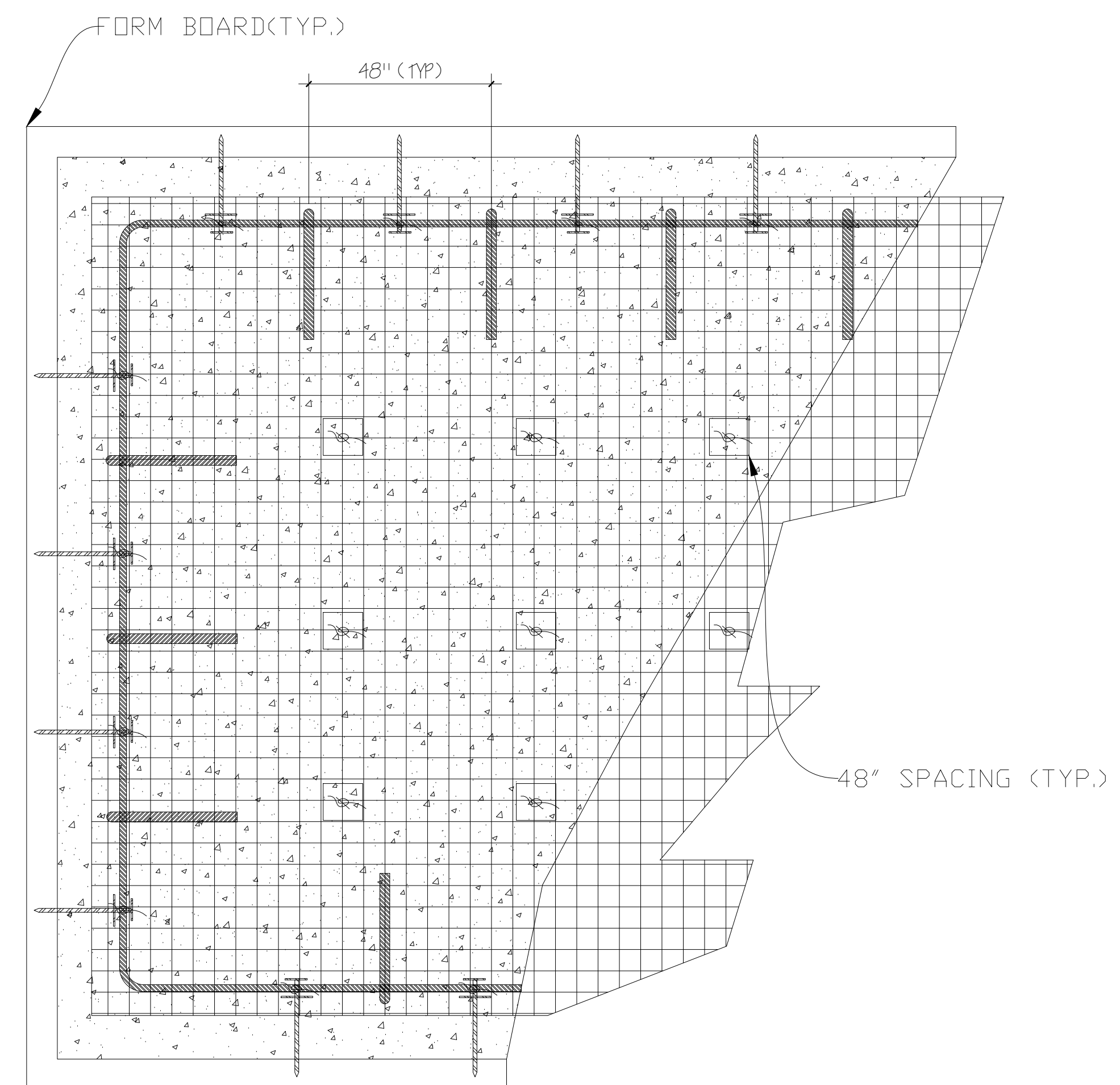
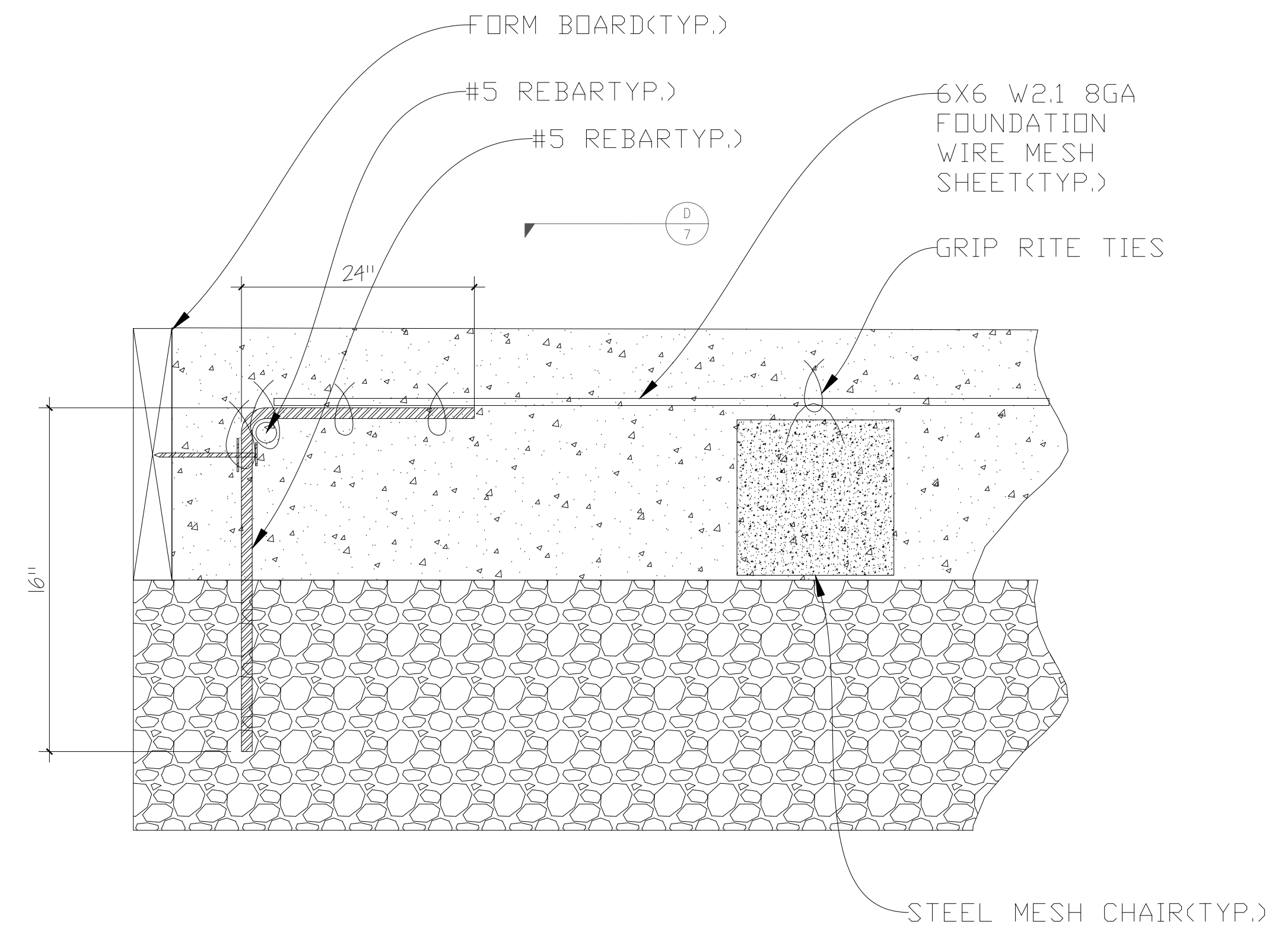
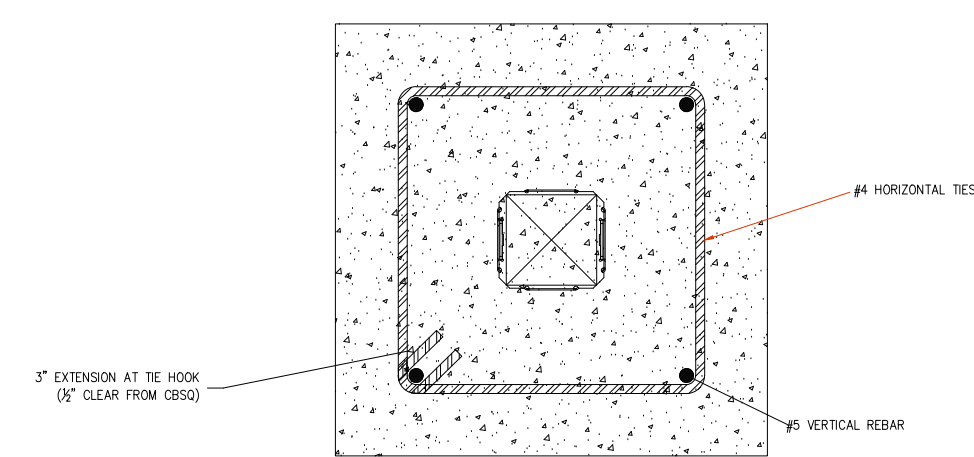
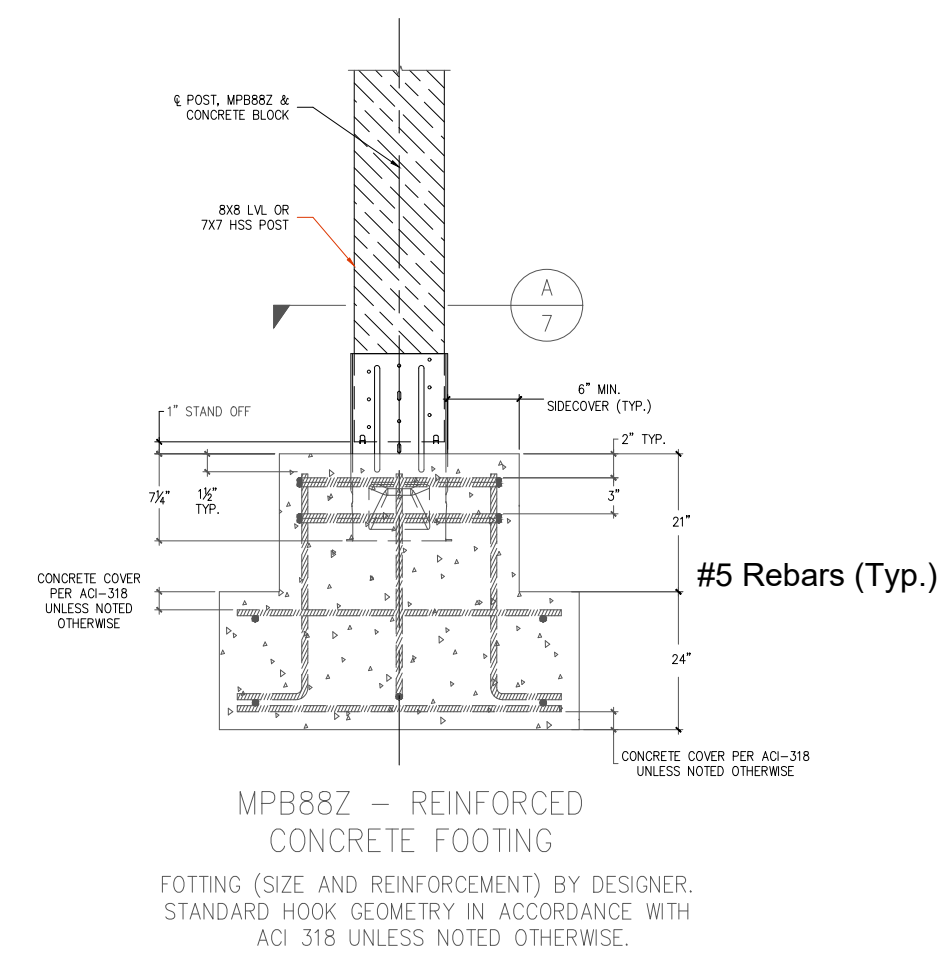
REVISONS	
8/11/24	3
	
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POLE BUILDING GARAGE FDR: FIRE DISTRICT 8 GARAGE 20643 RD. 22.5 SW MATTAWA, WA 98249 ELEVATIONS PARCEL# 19131422425	
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DATE: 7/6/24	
SCALE: 3/16"=1'-0"	
DRAWN BY: MR	
APPROVED:	
11132022 JOB-NUMBER	
SHEET NUMBER:	
2	



LEAN TO

LAYOUT PLAN
SCALE: 3/32" = 1'-0"

[illegible]



REVISIONS

3/11/24	3
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7936 EL RENO AVE
ELVERTA, CA 95626
MALIK REHMAN, P.E.

FOUNDATION DETAILS

POLE BUILDING GARAGE
FOR: FIRE DISTRICT 8 GARAGE
20643 RD. 22.5 SW

PAKCEL# 19131422425

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DATE:
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SCALE:
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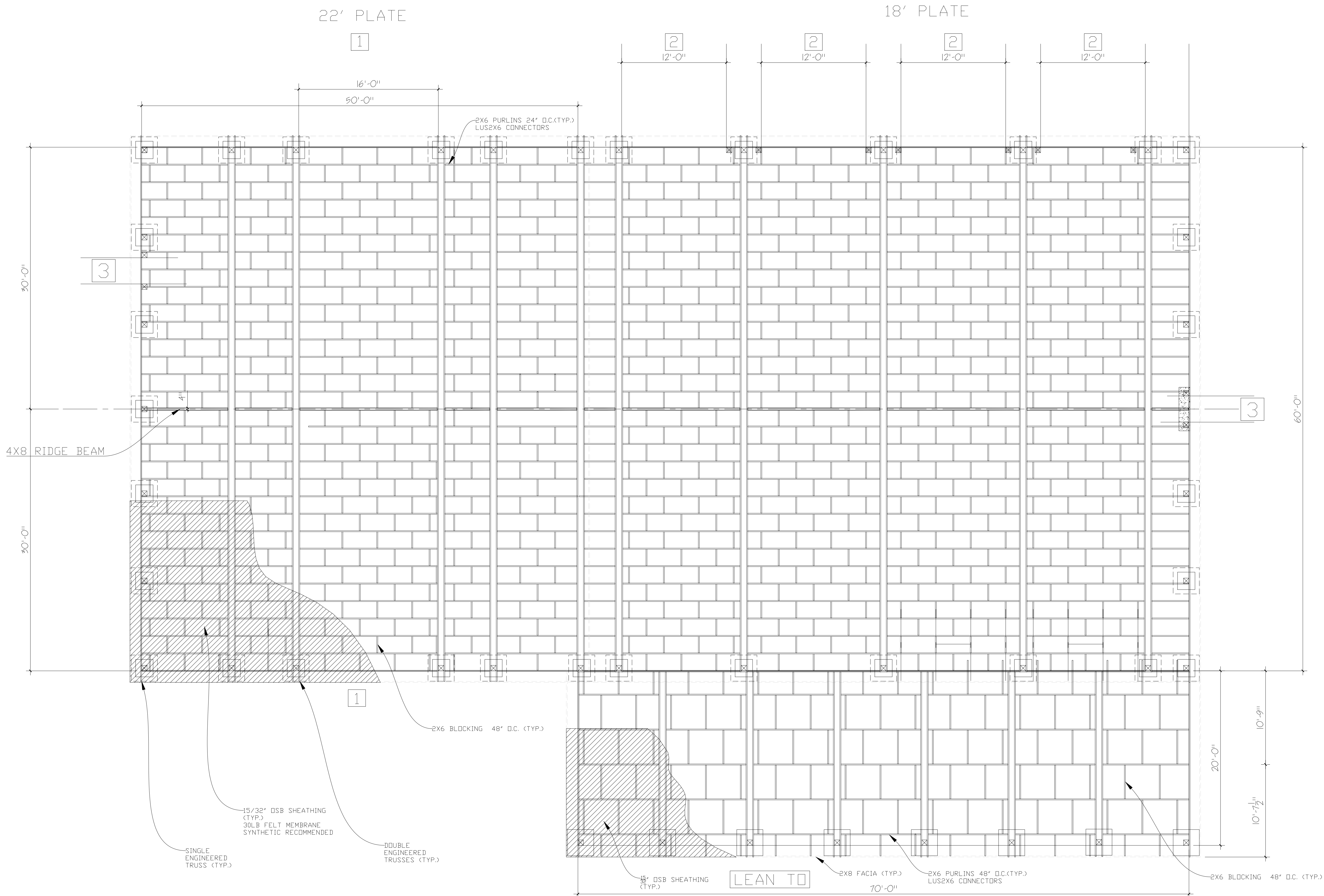
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11132022
JOB-NUMBER

SHEET NUMBER:

6



ROOF FRAMING PLAN
SCALE: 3/32" = 1'-0"

REVISIONS



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POLE BUILDING GARAGE
FOR: FIRE DISTRICT 8 GARAGE

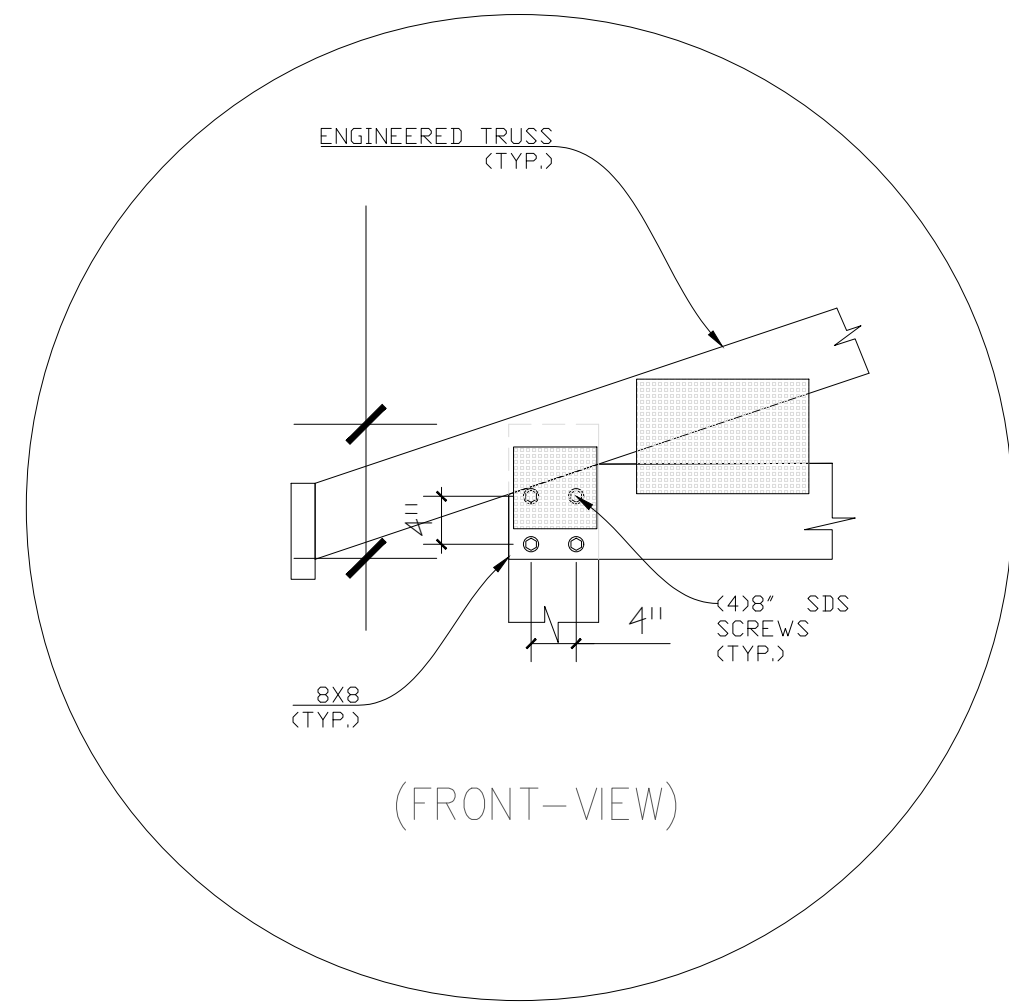
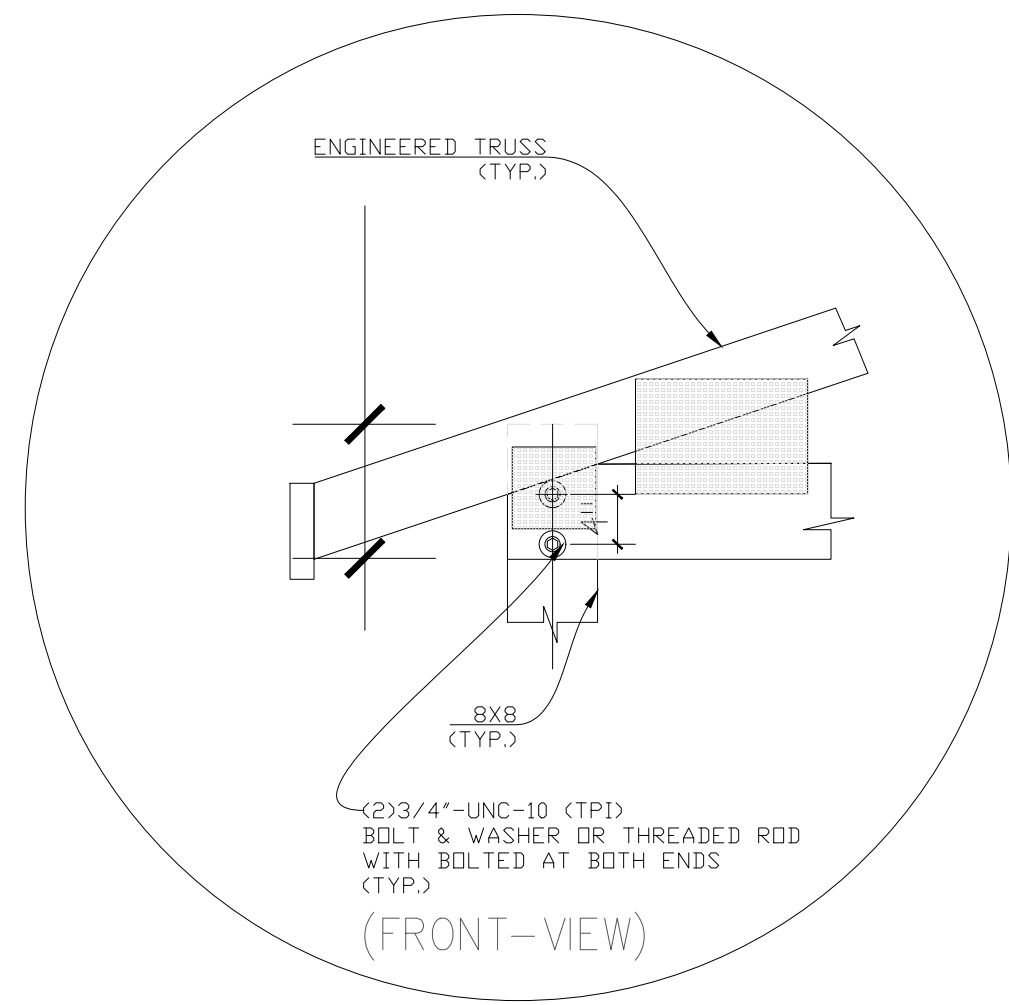
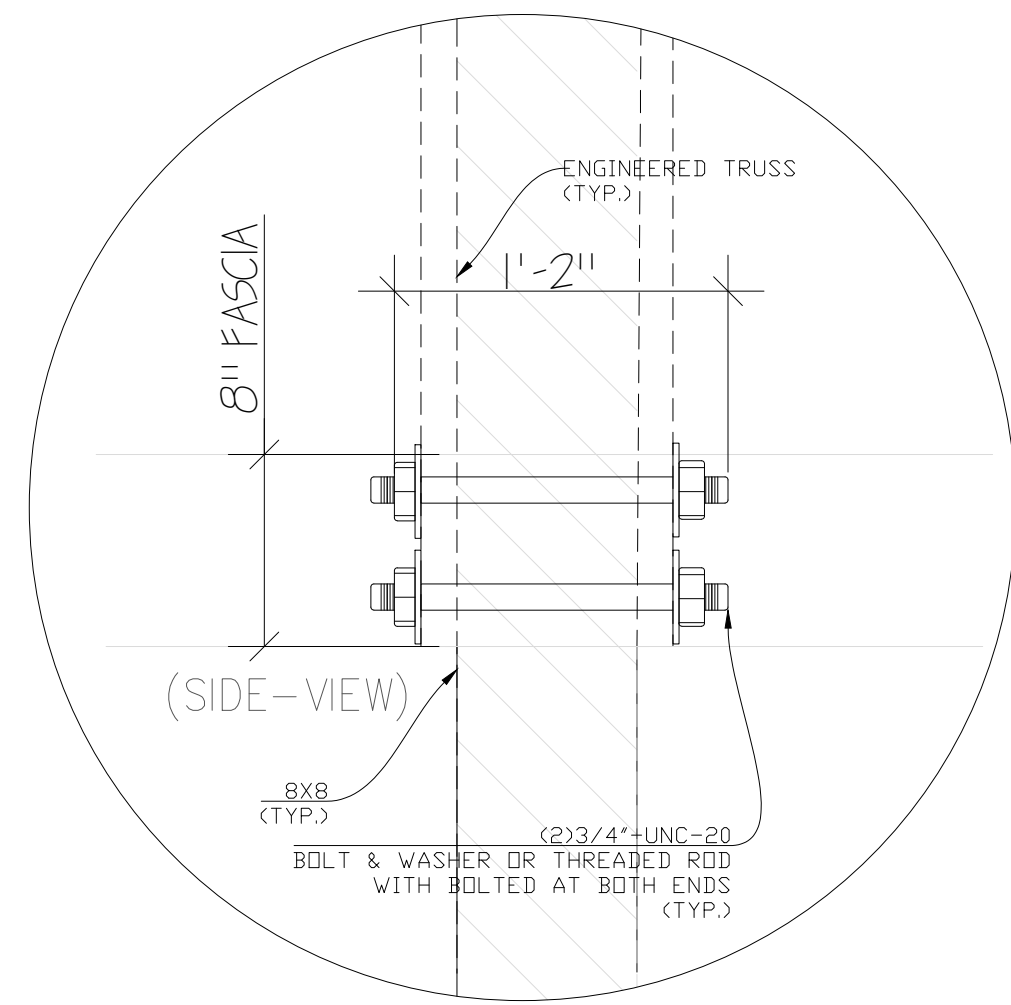
20643 RD. 225 SW
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PARCEL # 1913422425

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DRAWN BY:
MR

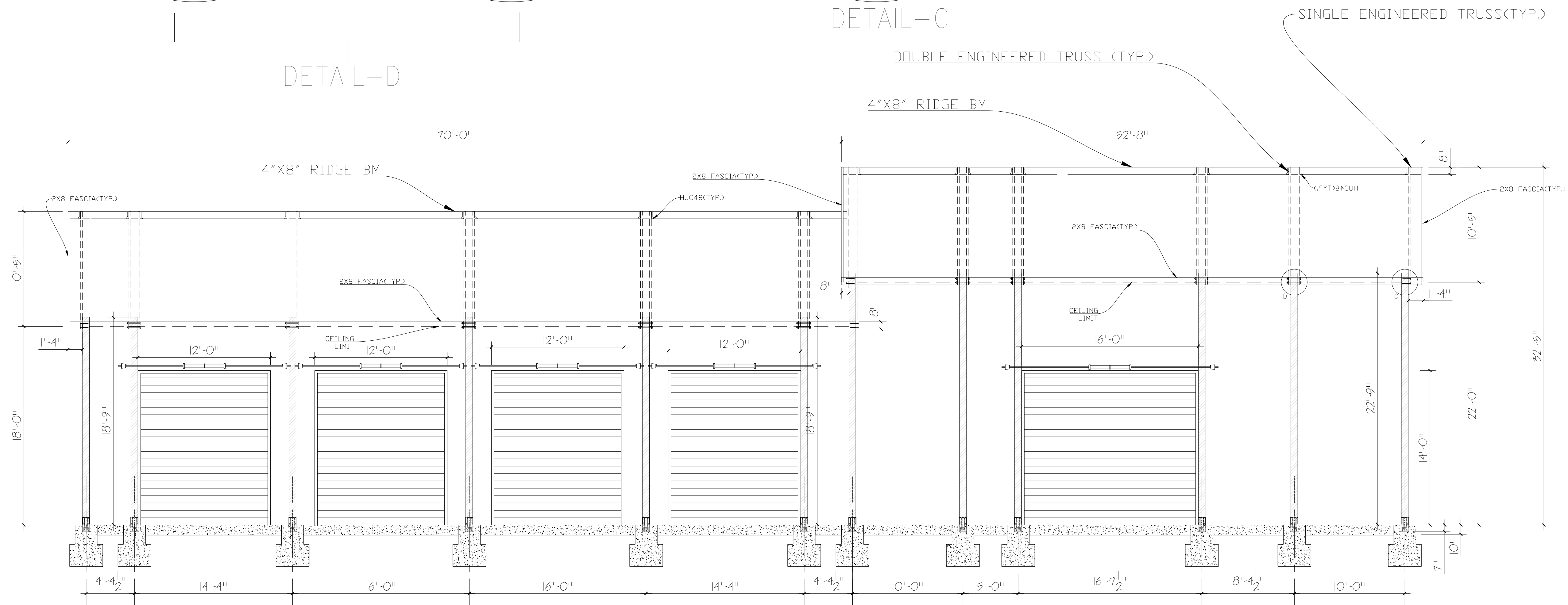
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SHEET NUMBER:



DETAIL-D

DETAIL-C



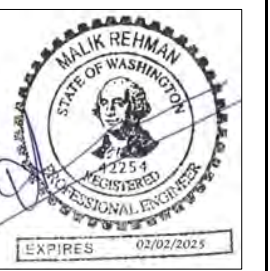
LOOKING SOUTH (B)

POST FRAMING

SCALE: 3/32" = 1'-0"

REVISIONS

8/11/24	3



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MALIK REHMAN, P.E.

POST FRAMING

POLE BUILDING GARAGE
FOR: FIRE DISTRICT 8 GARAGE
20643 RD 225 SW
MATTAPAN, WA 98349

PARCEL # 19131422425

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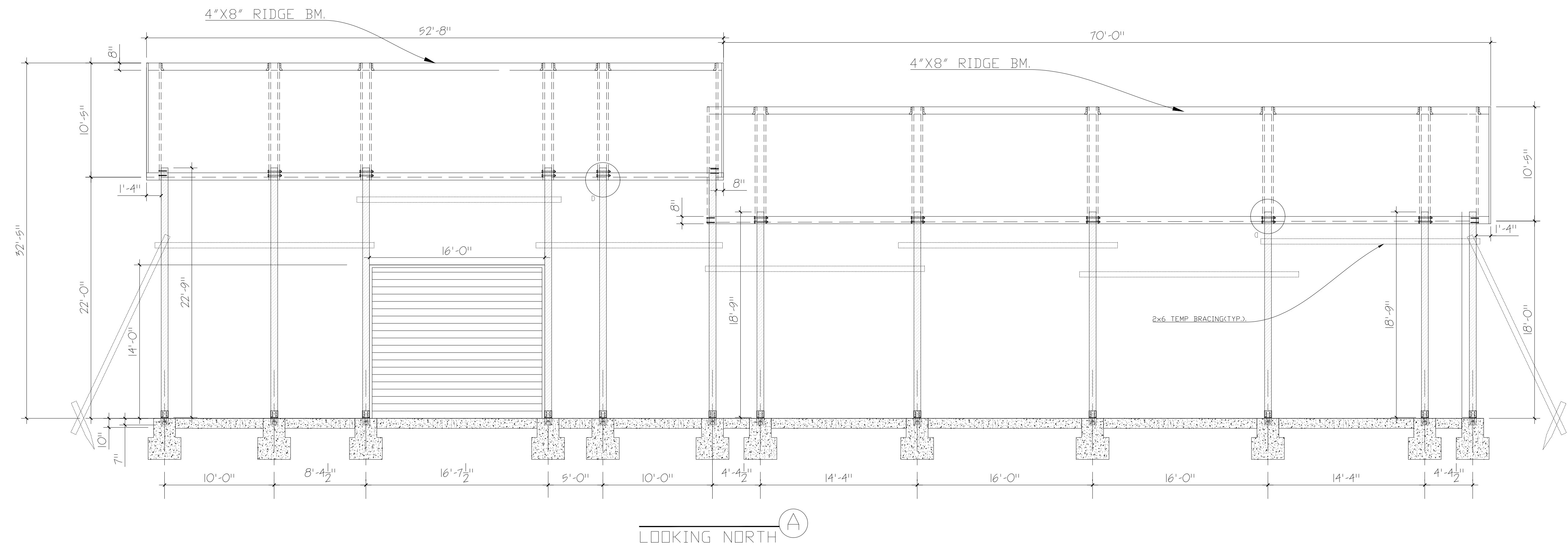
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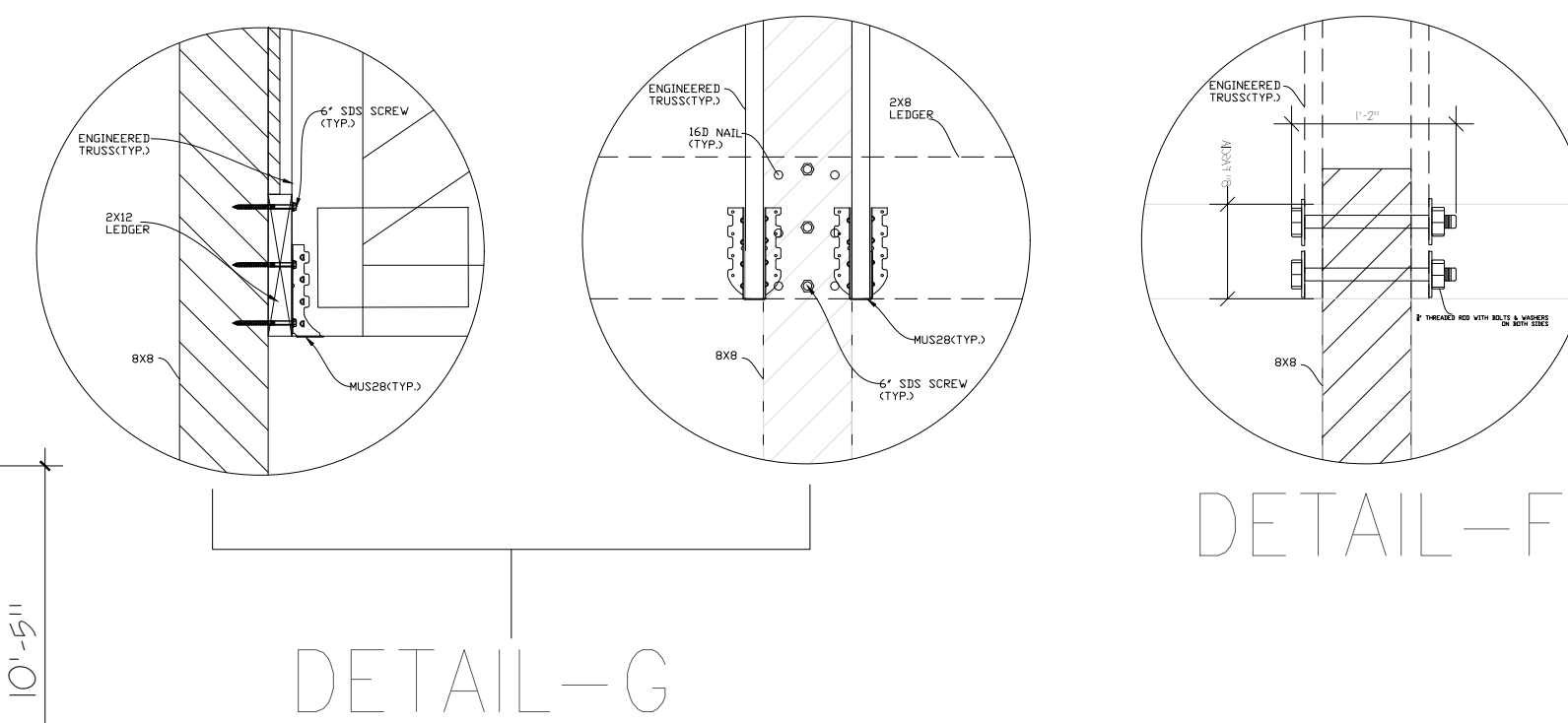
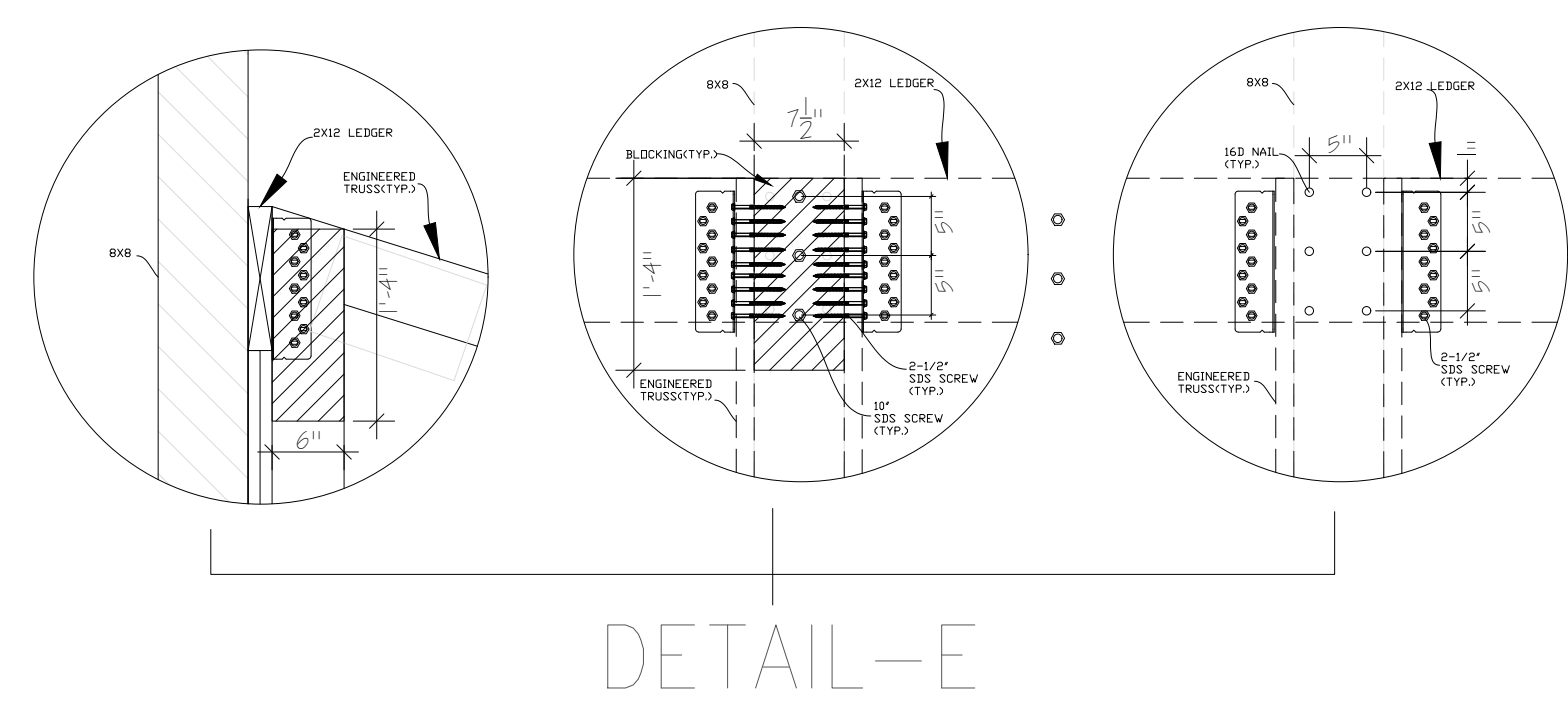
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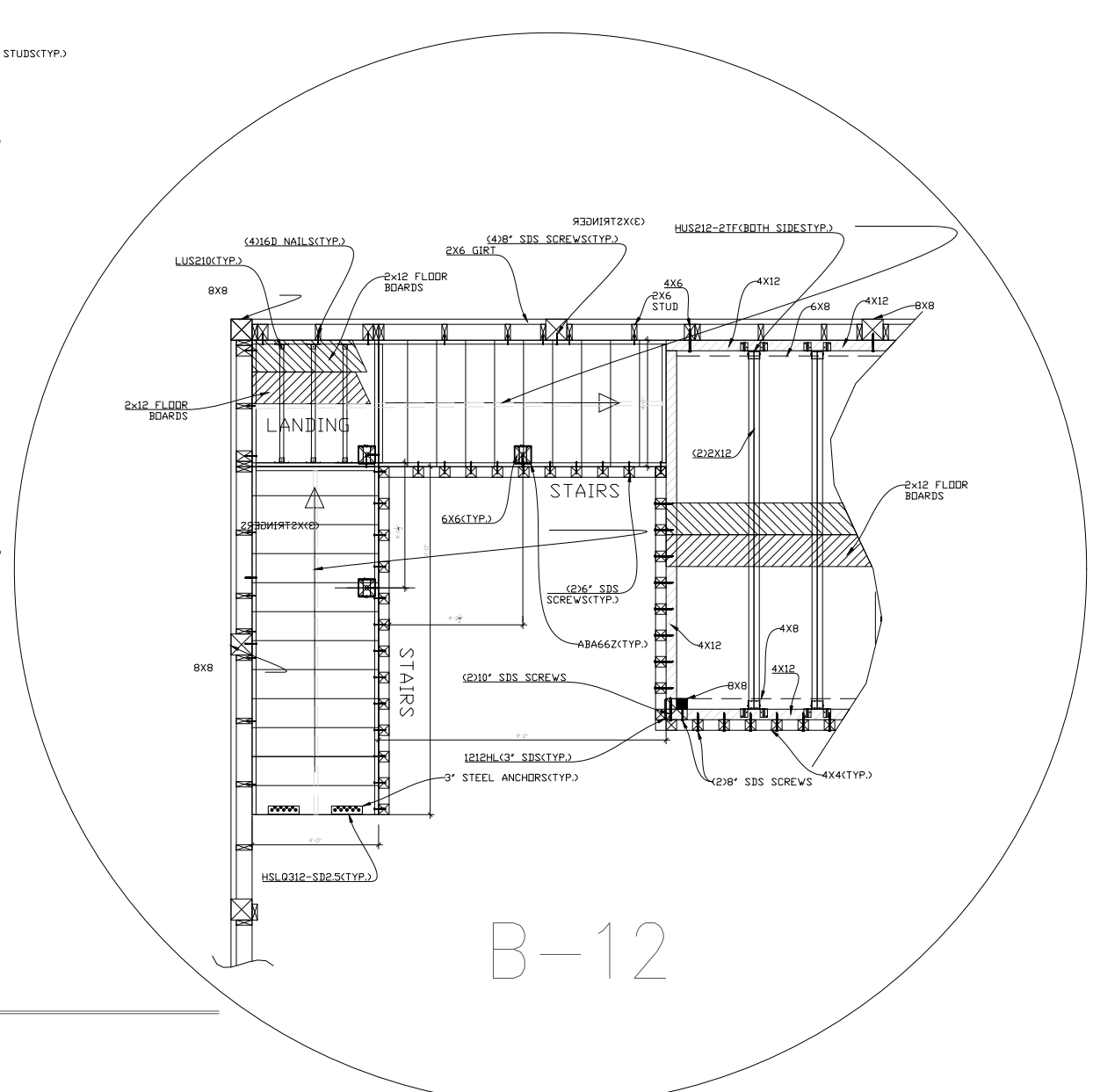
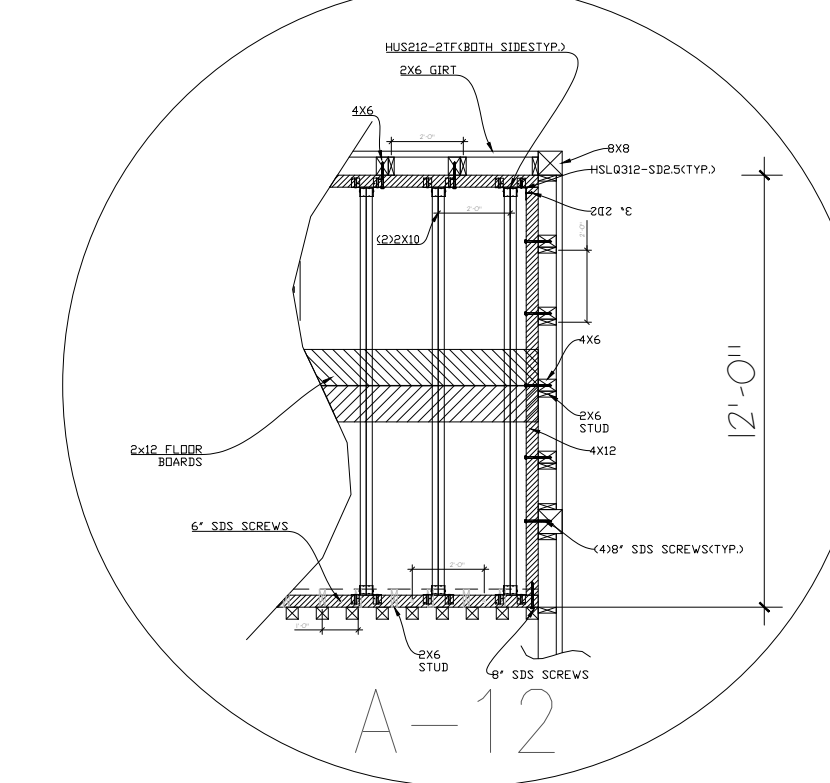
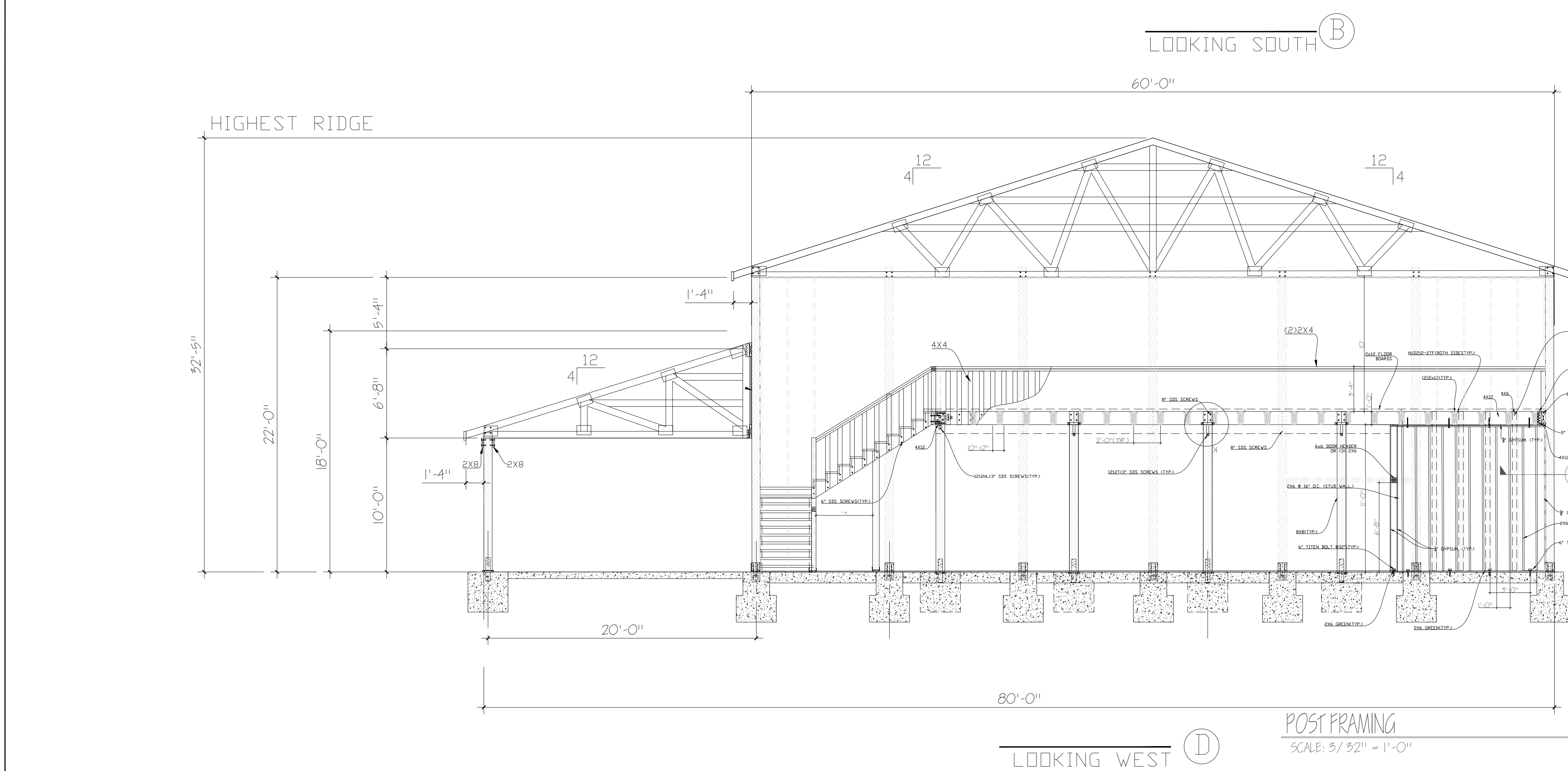
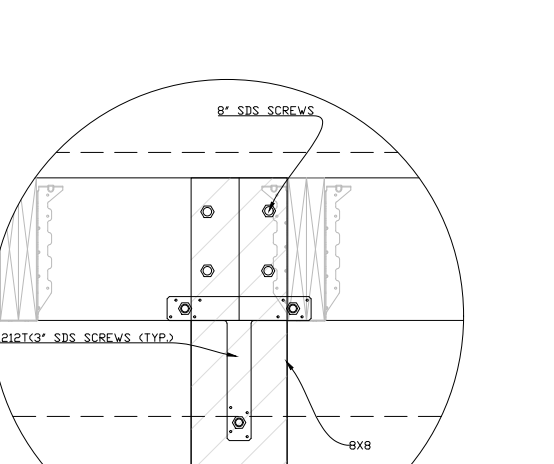
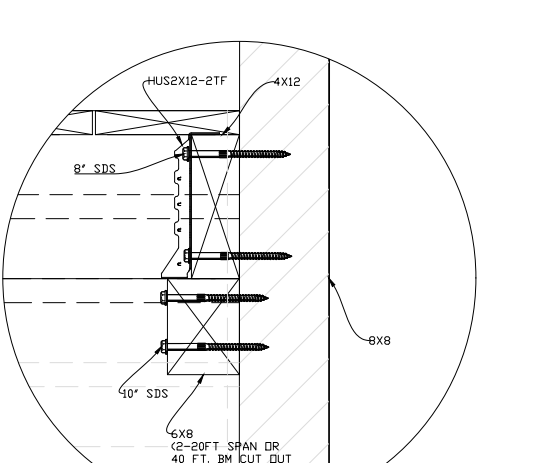
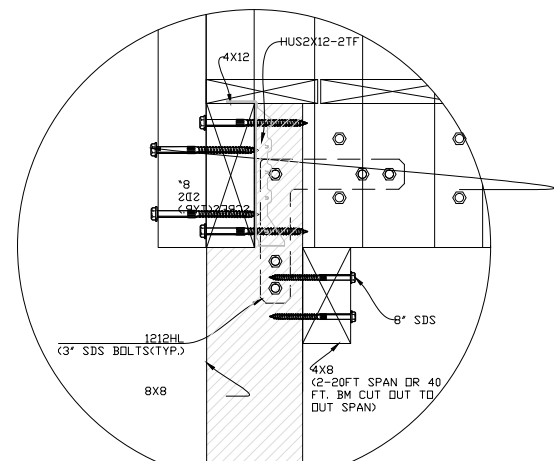
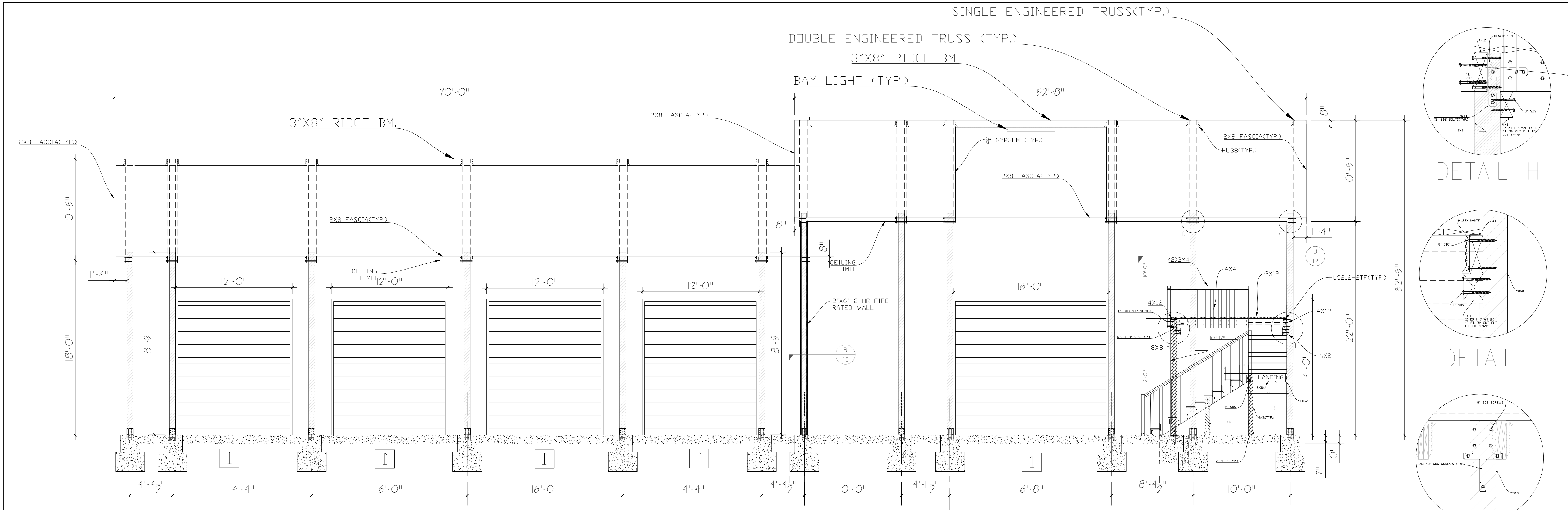
11132022
JOB-NUMBER

SHEET NUMBER:





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8/11/24	3
	
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POST FRAMING	
POLE BUILDING GARAGE FOR: FIRE DISTRICT 8 GARAGE 26643 RD. 22.5 SW MATTAWA, WA 98249 PARCEL# 19131422425	
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DATE:	7/6/24
SCALE:	3/16"=1'-0"
DRAWN BY:	MR
APPROVED:	
11132022	
JOB-NUMBER	
SHEET NUMBER:	
10	



REVISIONS	
8/11/24	3

• STRUCTURAL DESIGN
REHMAN CONSULTING ENGRS.
(916) 406-4264
7938 EL RENO AVE
ELVERTA, CA 95626
MALIK REHMAN, P.E.

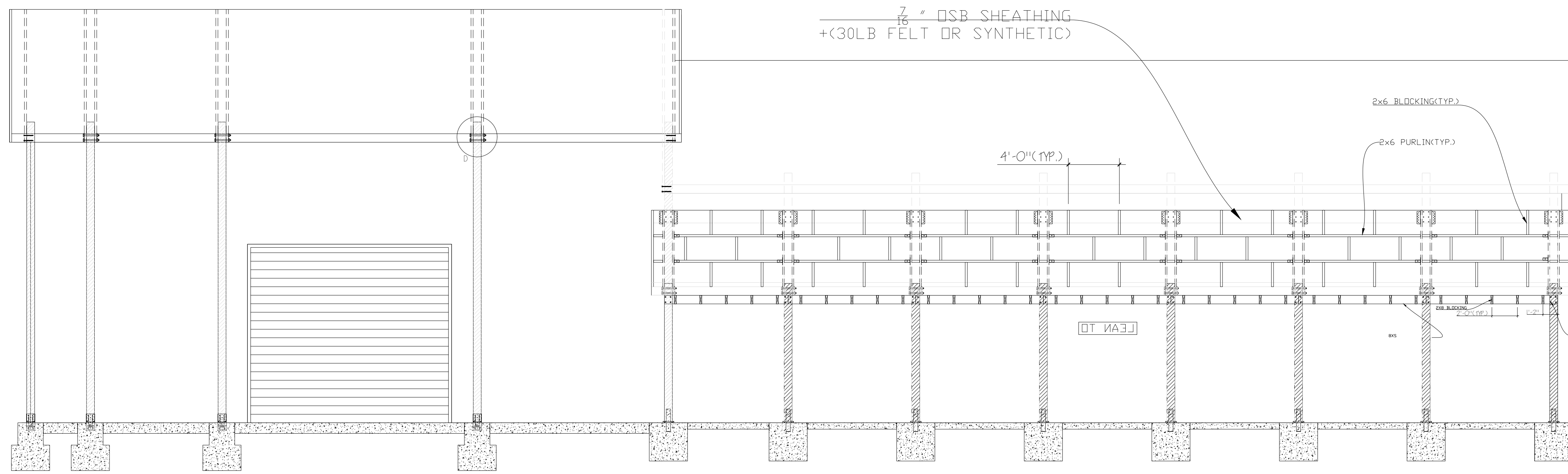
MEZANINE FRAMING

POLE BUILDING GARAGE
FOR: FIRE DISTRICT 8 GARAGE
20643 RD 225 SW
MATTAPAN, WA 98349
PARCEL# 19131422425

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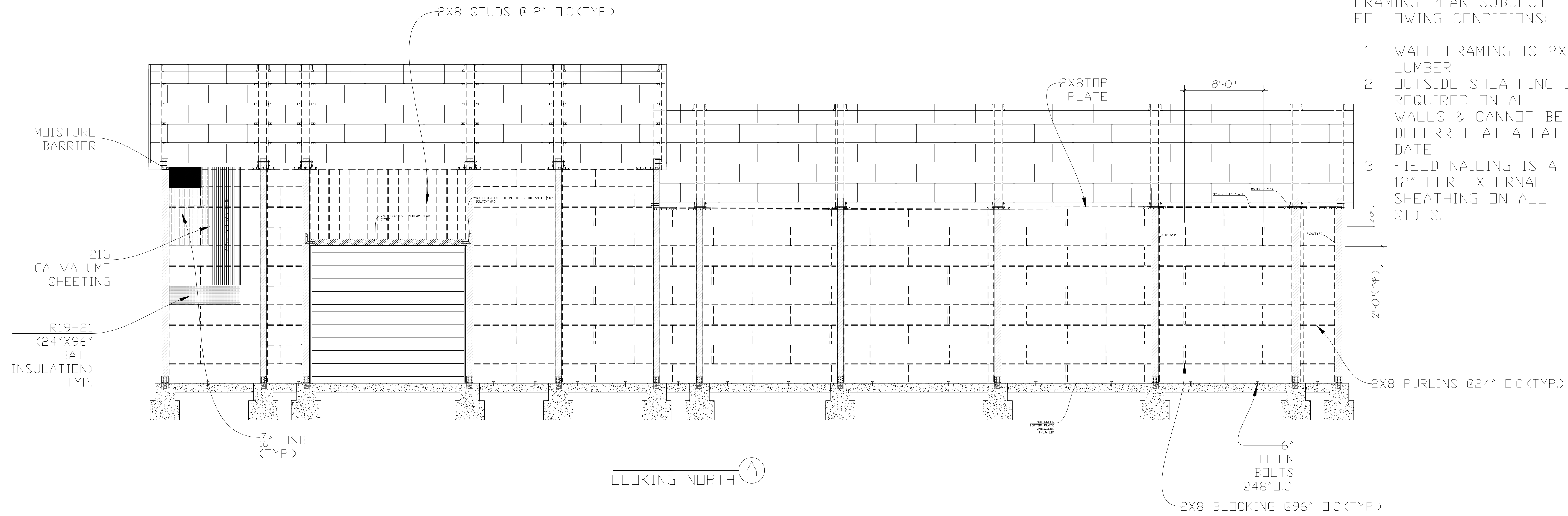
DATE: 7/6/24
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11132022
JOB-NUMBER
SHEET NUMBER:

11



LOOKING NORTH (LEAN TO) A

- ALL EXPOSED LUMBER FOR LEAN TO SHALL BE:
1. PRESSURE TREATED LUMBER OR
 2. PAINTED WITH A DOUBLE COAT OF WEATHER PROTECTION PAINT.
 3. TEMP BRACING SHALL BE REQUIRED TO PROVIDE LATERAL SUPPORT TO POSTS.

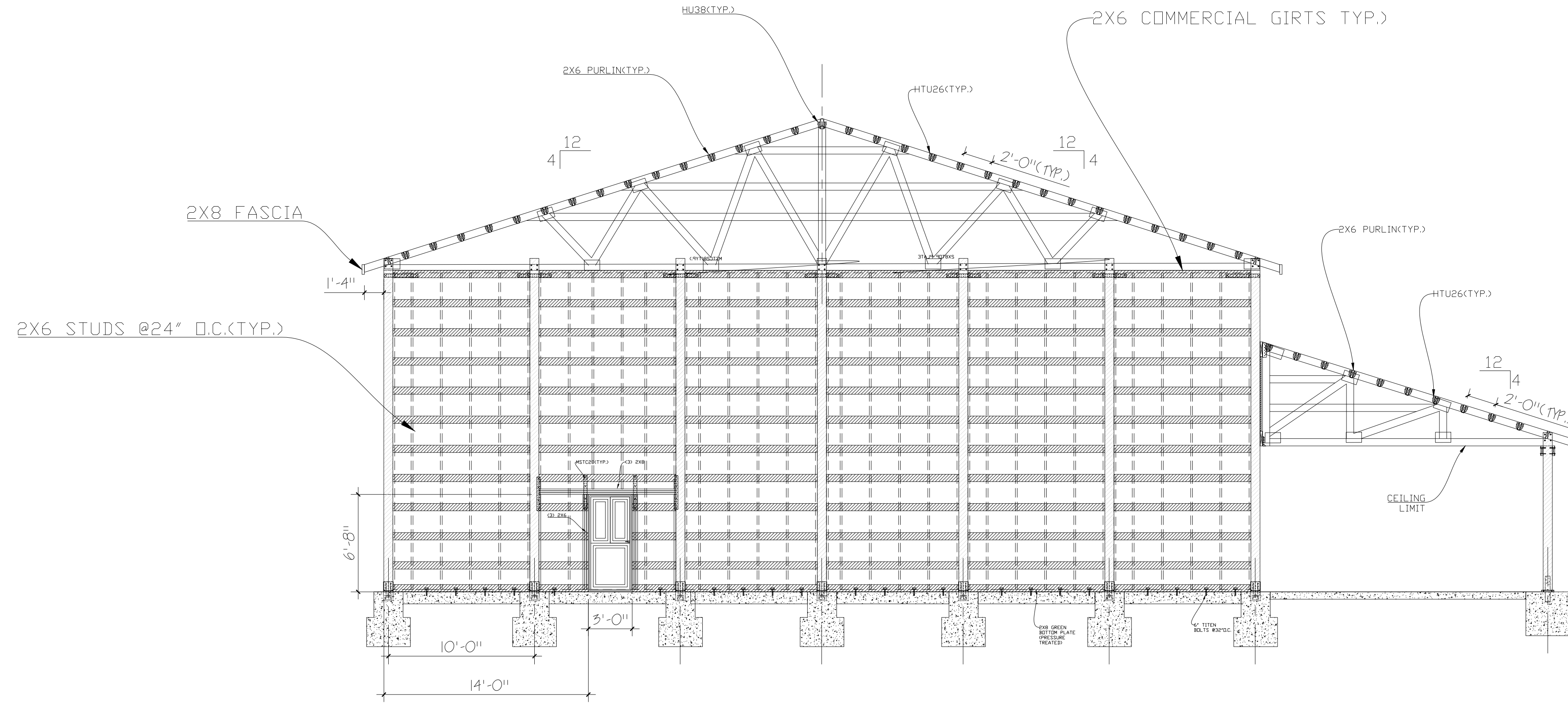


LOOKING NORTH A

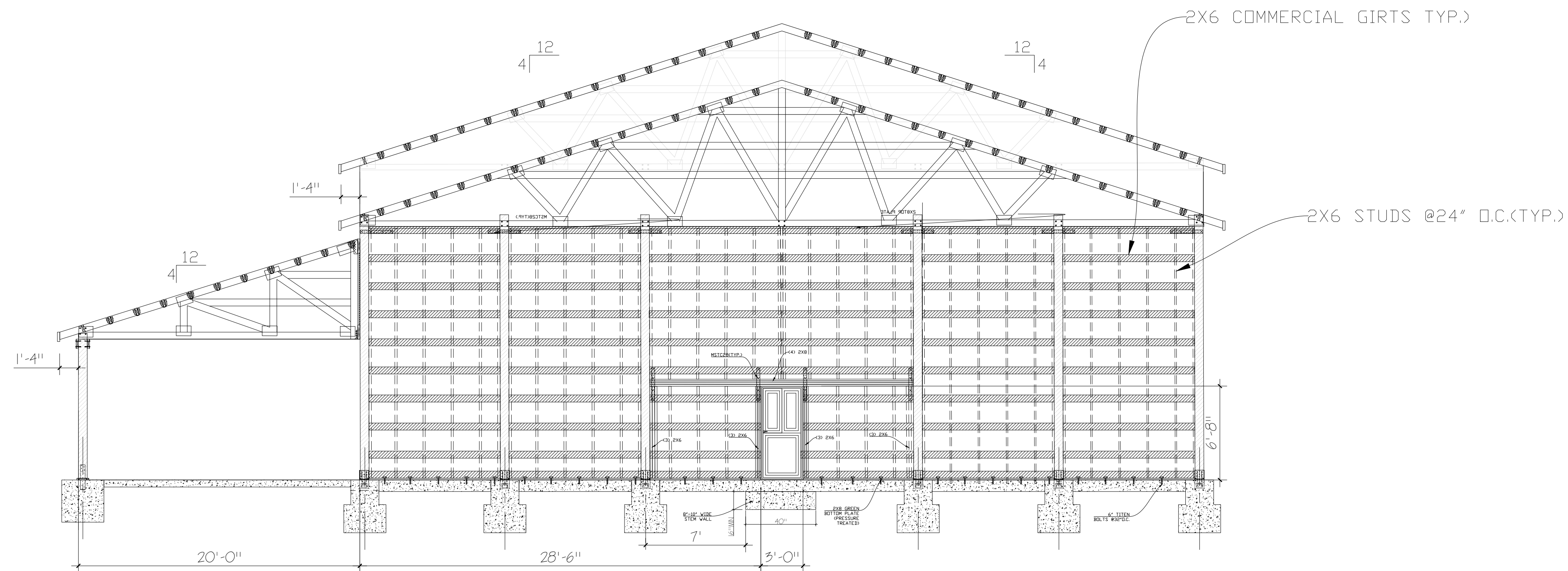
- SECOND ALTERNATIVE FRAMING PLAN SUBJECT TO FOLLOWING CONDITIONS:
1. WALL FRAMING IS 2X8 LUMBER
 2. OUTSIDE SHEATHING IS REQUIRED ON ALL WALLS & CANNOT BE DEFERRED AT A LATER DATE.
 3. FIELD NAILING IS AT 12" FOR EXTERNAL SHEATHING ON ALL SIDES.

WALL FRAMING
SCALE: 3/32" = 1'-0"

REVISIONS		
8/11/24		3
		
STRUCTURAL DESIGN REHMAN CONSULTING ENGRS (916) 406-4264 7988 EL RENO AVE ELVERTA, CA 95626 MALIK REHMAN, P.E.		
WALL FRAMING		
POLE BUILDING GARAGE FOR: FIRE DISTRICT 8 GARAGE 20643 RD 225 SW MATTAPAN, WA 98349 PARCEL# 19131422425		
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DATE: 7/6/24		
SCALE: 3/16"=1'-0"		
DRAWN BY: MR		
APPROVED:		
11132022 JOB-NUMBER		
SHEET NUMBER:		



LOOKING EAST **C**

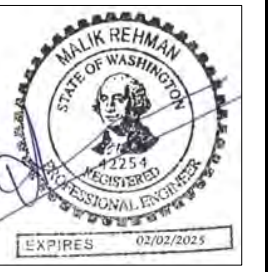


LOOKING WEST **D**

NOTE: EXTERNAL VIEW SHOWN, PURLINS ARE ON INTERNAL SIDE

REVISIONS

8/11/24	3



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7938 EL RENO AVE
ELVERTA, CA 95626
MALIK REHMAN, P.E.

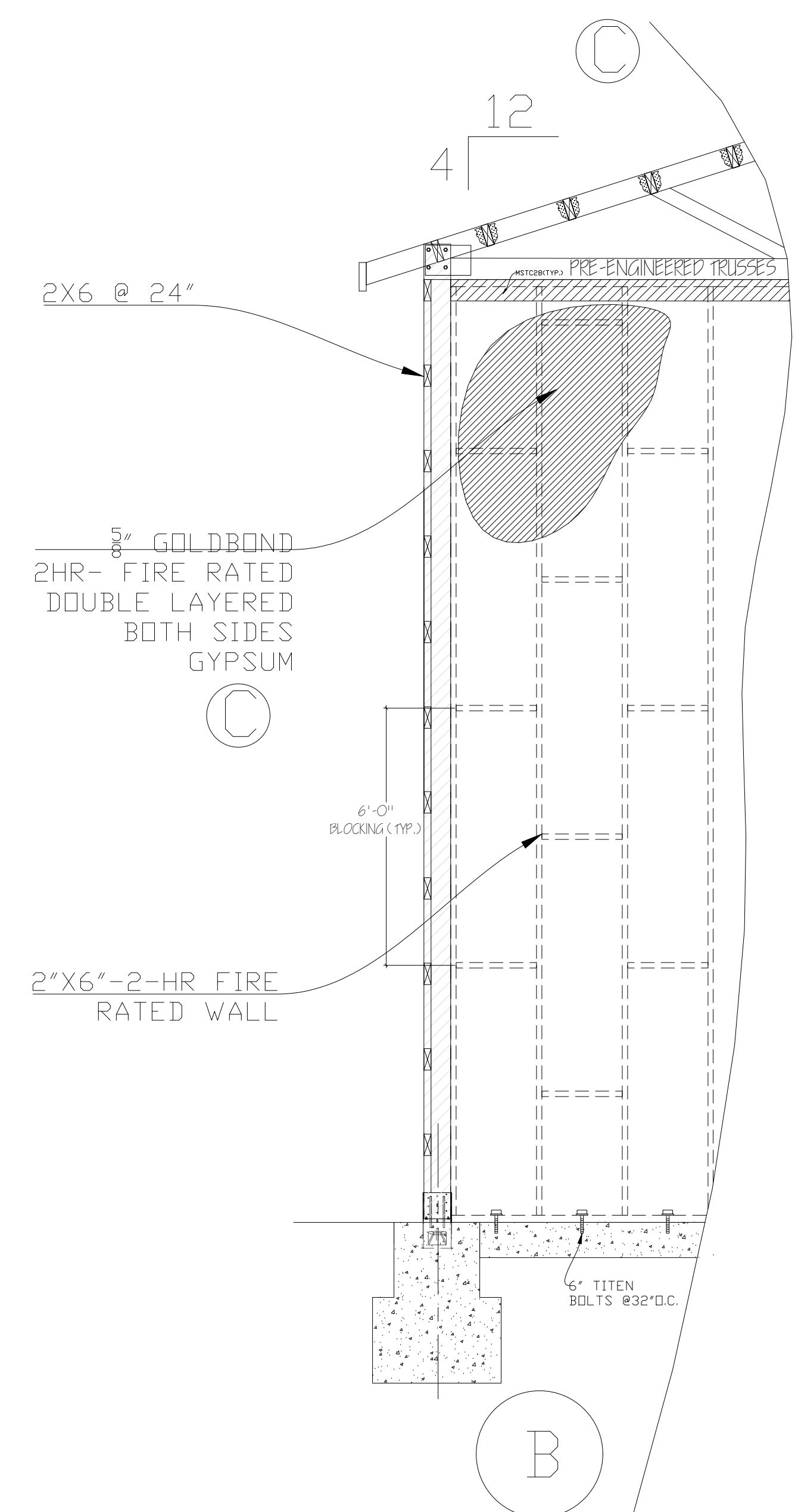
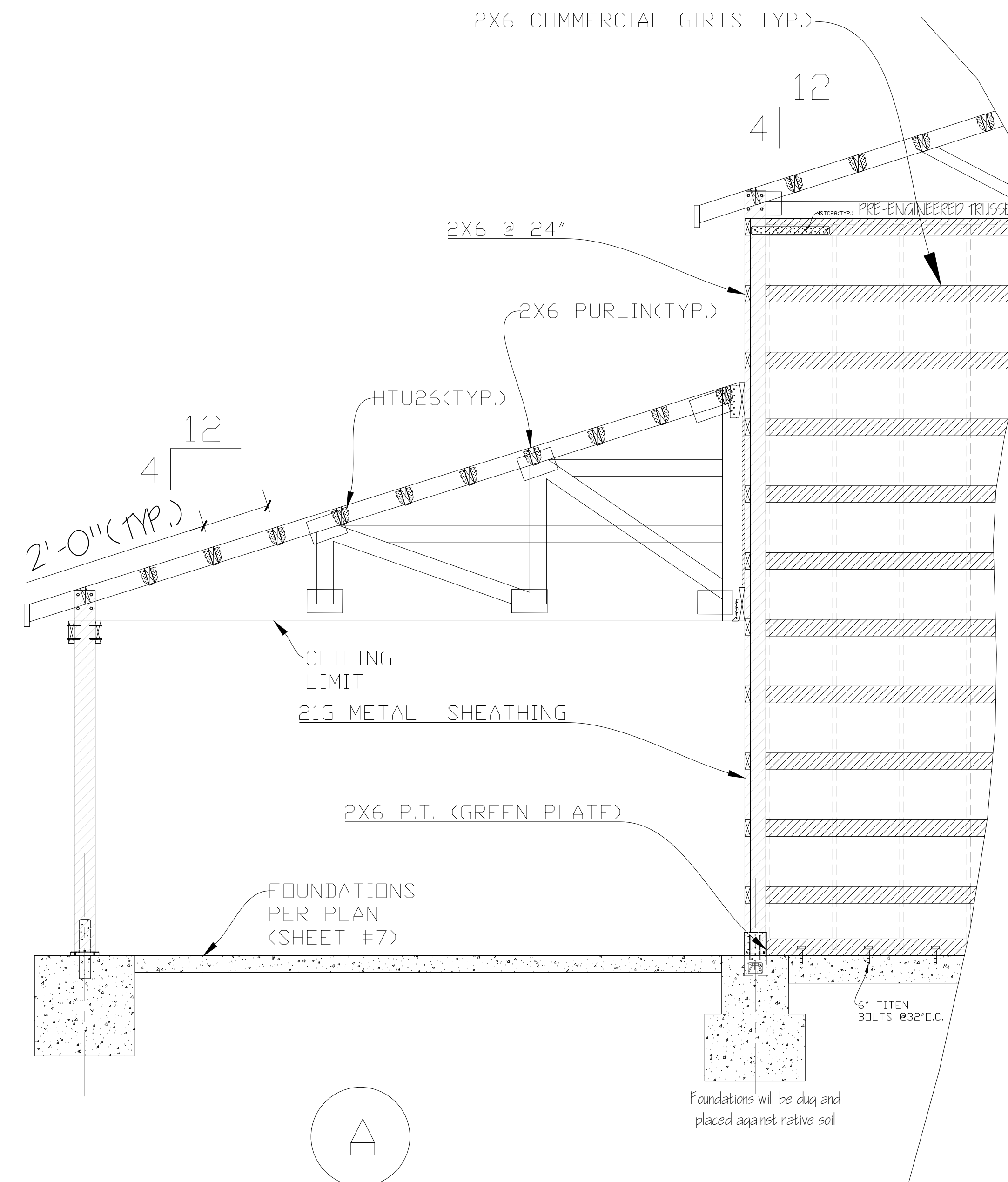
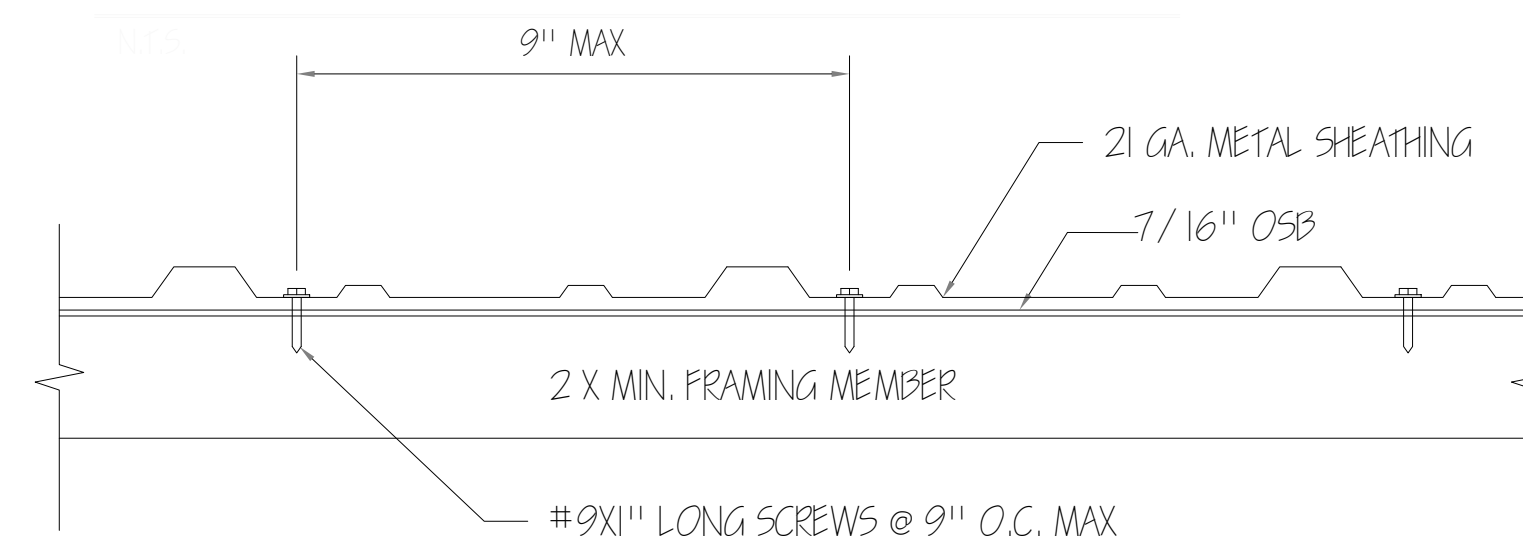
WALL FRAMING

POLE BUILDING GARAGE
FOR: FIRE DISTRICT 8 GARAGE
20643 RD. 225 SW
MATTAPAN, WA 98349
PARCEL# 1931422425

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DATE:
7/6/24
SCALE:
3/16"=1'-0"
DRAWN BY:
MR
APPROVED:
11132022
JOB-NUMBER
SHEET NUMBER:

WALL FRAMING
SCALE: 3/32" = 1'-0"



1. UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL BE 2500 PSI MIN. @ 28 DAYS.
2. ALL SOLID SAWN LUMBER 5X5 AND LARGER SHALL BE ROUGH SAWN VISUALLY GRADED TIMBERS U.N.O. ALL FRAMING LUMBER SHALL BE AT LEAST THE MIN. NOTED ON DRAWINGS. LUMBER NOT SPECIFICALLY CALLED OUT SHALL BE DF, NO. 2 OR BETTER.
3. INSURE THAT ALL BRACING AND BEARING AREA REQUIRED BY TRUSS MANUFACTURER HAS BEEN INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
4. UNLESS OTHERWISE NOTED, GIRTS AND PURLINS HAVE BEEN DESIGNED FOR DIRECT ATTACHMENT TO INTERIOR FINISHES.
5. IF THE DRAWINGS SPECIFY SUBGRADE BACKFILL, THE BACKFILL SHALL BE COMPACTED $\frac{5}{8}$ " TO $\frac{3}{4}$ " (-) GRAVEL OR CRUSHED ROCK.
6. ALL WOOD MEMBERS, FRAMING REQ. AND CONNECTIONS SHALL BE IN ACCORDANCE WITH IBC SECTIONS 2303 & 2304.
7. ALL NAILS DRIVEN INTO PRESSURE TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED.
8. INSTALL 2X CONTINUOUS BLOCKING AT TOP OF TRUSS TOP CHORD AND NAIL EACH SIDE WITH 16D NAIL AT 12" O.C. (MAX)

CONSTRUCTION DETAILS
SCALE: 3/16" = 1'

POLE BUILDING GARAGE		REVISIONS	
FOR: FIRE DISTRICT 8 GARAGE		8/11/24	3
20643 RD. 22.5 SW MATTAWA, WA 98249			
PARCEL # 1931422425			
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DATE: 7/6/24 SCALE: 3/16"=1'-0" DRAWN BY: MR APPROVED:			
11132022 JOB-NUMBER			
SHEET NUMBER:			
15			

REVISIONS

8/11/24	3



• STRUCTURAL DESIGN
REHMAN CONSULTING ENGRS.
(916) 406-4264
7936 EL REINO AVE
ELVERTA, CA 95626
MALIK REHMAN, P.E.

PROPANE TANK & FENCE DETAIL

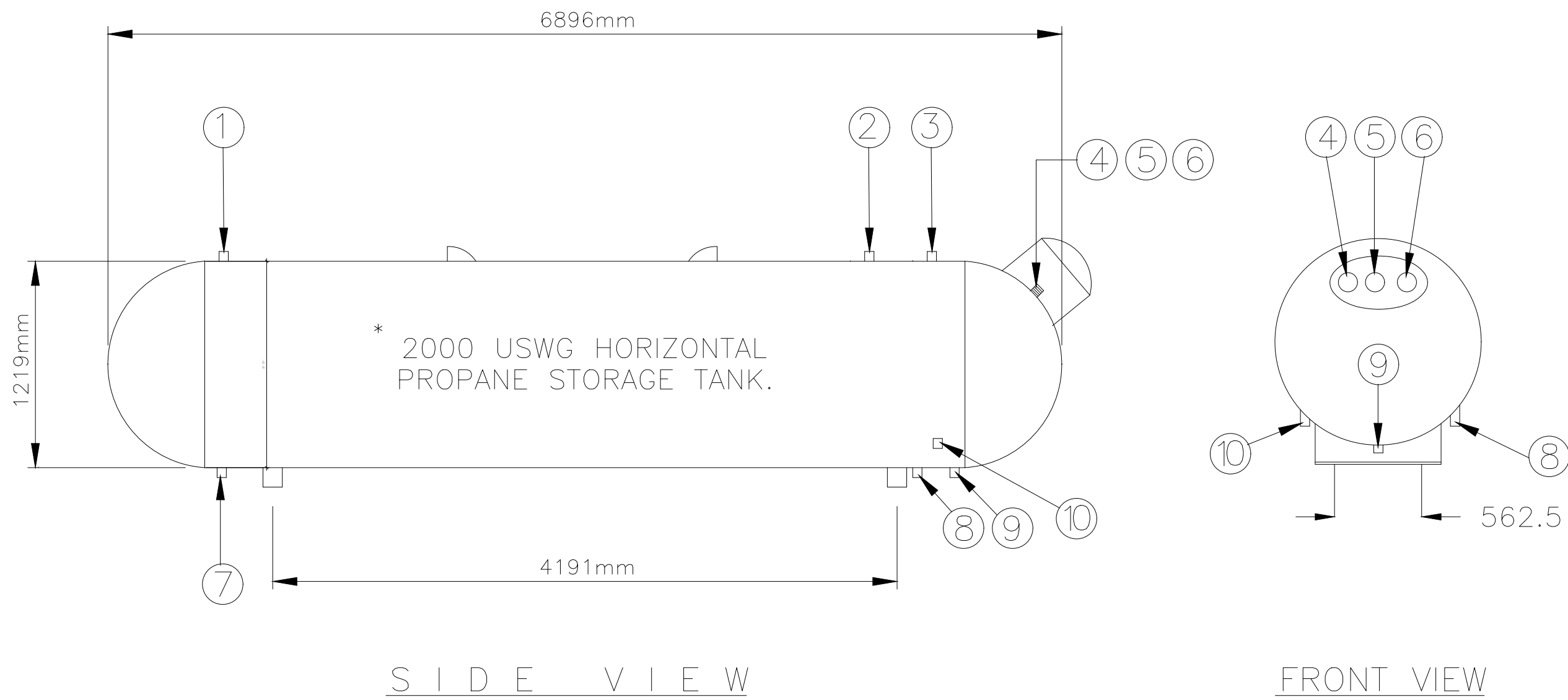
POLE BUILDING GARAGE
FOR: FIRE DISTRICT 8 GARAGE
20643 RD 22.5 SW
MATTAWA, WA 98349

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DATE:
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SCALE:
N.T.S.
DRAWN BY:
MR
APPROVED:

11132022
JOB-NUMBER
SHEET NUMBER:

17



- ①

32mm Ø VAPOUR OUTLET – PLUG
- ②

32mm Ø VAPOUR OUTLET – RELIEF – SELPAC PV453M OR REGO 8685G OR FISHER H275–250. C/W RAIN CAP
- ③

32mm Ø VAPOUR OUTLET – RELIEF – SELPAC PV453M OR REGO 8685G OR FISHER H275–250. C/W RAIN CAP
- ④

20mm Ø VAPOUR OUTLET – MULTIVALVE FIXED LIQUID LEVEL = SELPAC PV2033CL, OR REGO 7556VR, OR FISHER L680AR – 120–1. V = 10.4"
- ⑤

32mm Ø LIQUID INLET – FILLER V – SELPAC PV623A OR REGO 7579 OR FISHER D200.
- ⑥

FLOAT GUAGE – SQUIBB TAYLOR JR. 40 ANGLE MOUNT H+R=32" JC 324A
- ⑦

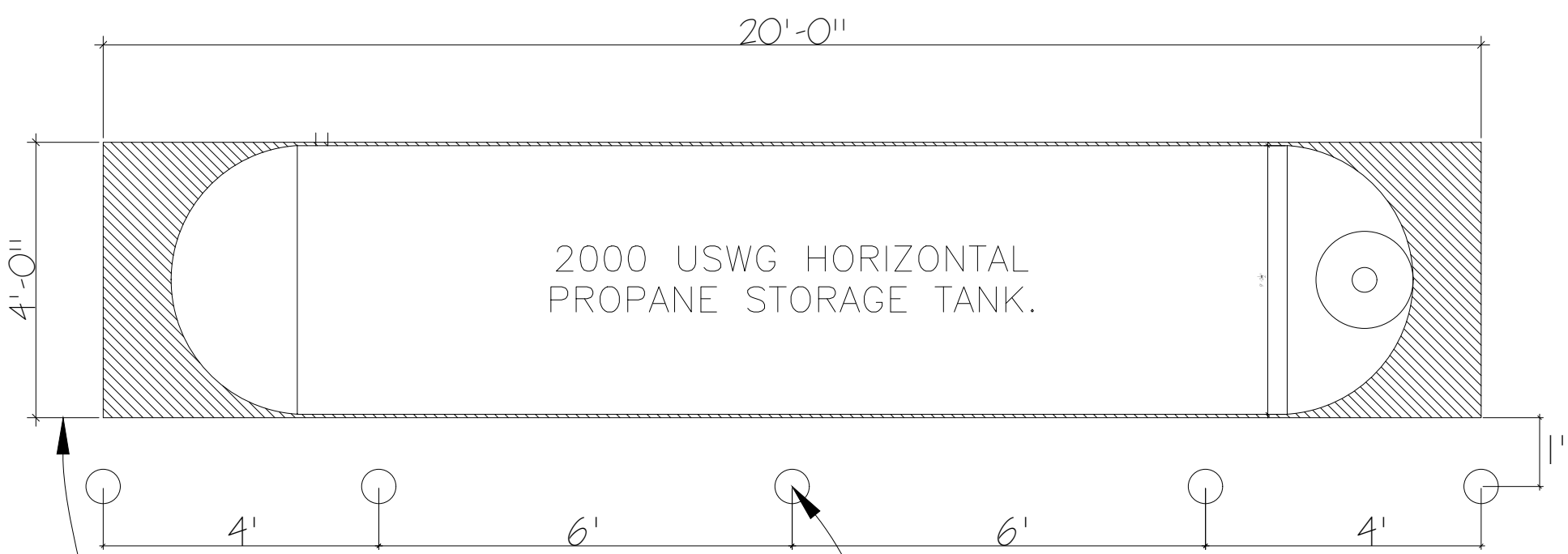
50mm Ø LIQUID OUTLET – PLUG
- ⑧

20mm Ø VAPOUR OUTLET – CHECKLOCK – SELPAC PV 5133 OR FISHER F171.
- ⑨

32mm Ø LIQUID OUTLET – CHECKLOCK – SELPAC 5135 OR FISHER F210 OR REGO 7580F
- ⑩

20mm Ø LIQUID OUTLET – CHECKLOCK – SELPAC PV 5133 OR FISHER F171.

* EMPTY WEIGHT = 2,722 kg. FULL WEIGHT = 6,029 kg.
TANK = PROPAC CRN# C-04706543217890T



8" CONCRETE PAD

6"D-36"HIGH BOLLARDS (TYP.)

O.G.

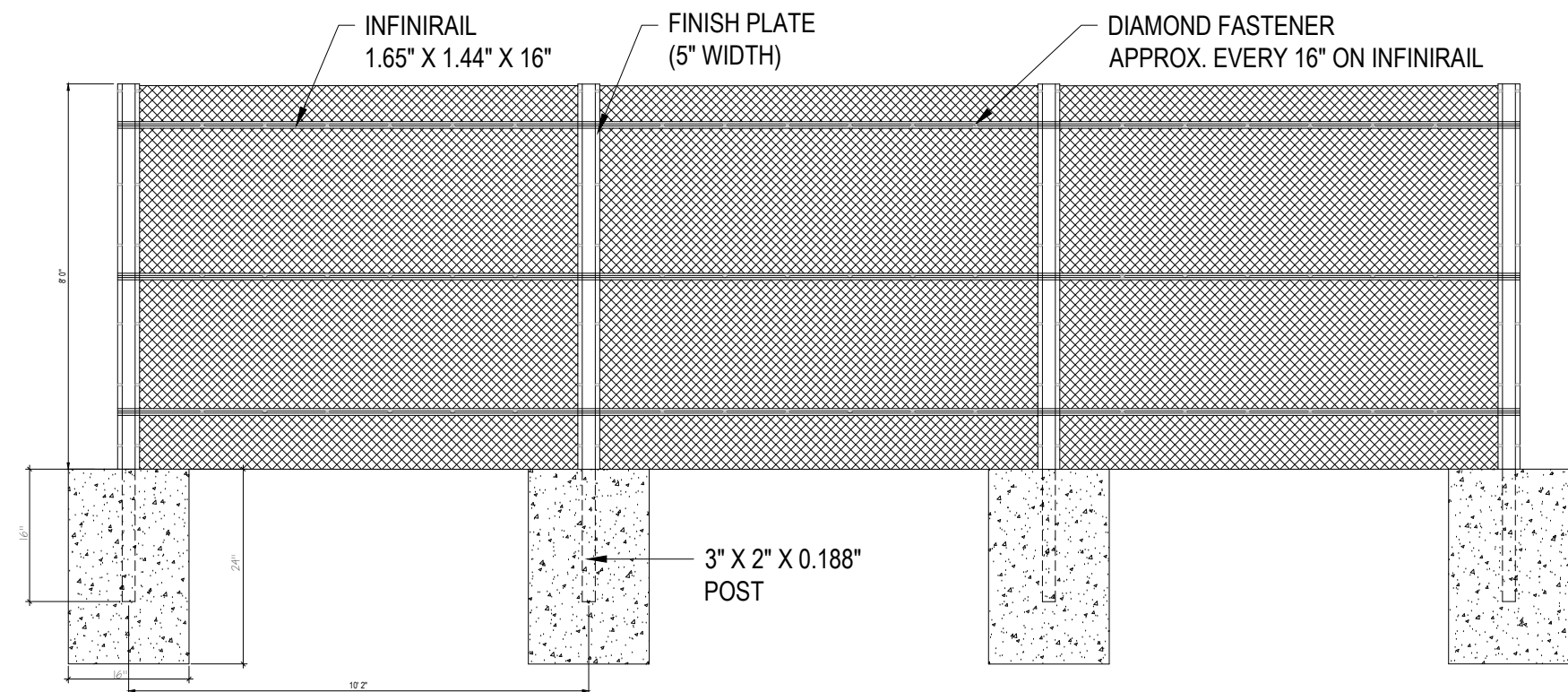
8"CONCRETE

³/₁₆"WELDED MESH MATT

³/₄" MINUS GRAVEL BASE

☒ SELECT DESIRED RAIL SERIES:

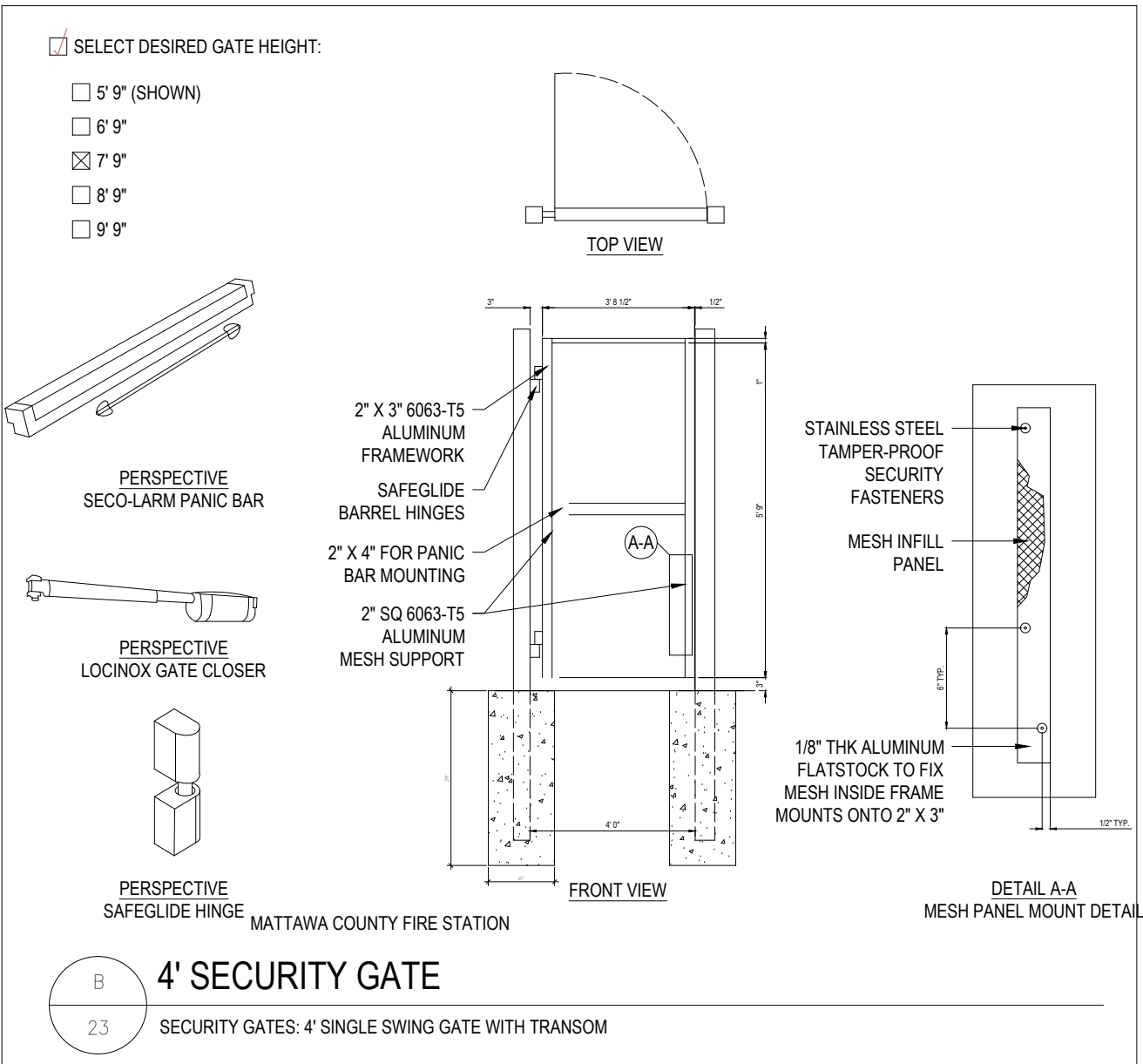
- ☐ AMIGUARD 6100 (SHOWN)
- ☐ AMIGUARD 6300
- ☒ AMIGUARD 7100
- ☐ AMIGUARD 7700
- ☐ AMIGUARD 7800



MANUFACTURER NOTES
- CONSTRUCTION VARYS BETWEEN 6000 SERIES AND 7000 SERIES MESH (6000 SERIES SHOWN)
7000 SERIES MESH
POST SIZE: 4" X 3" X 0.188"
POST TO POST: 10' 3" O.C
MIDRAIL: 3" OVERLAP (7100 SERIES ONLY)
MATTAWA COUNTY FIRE STATION

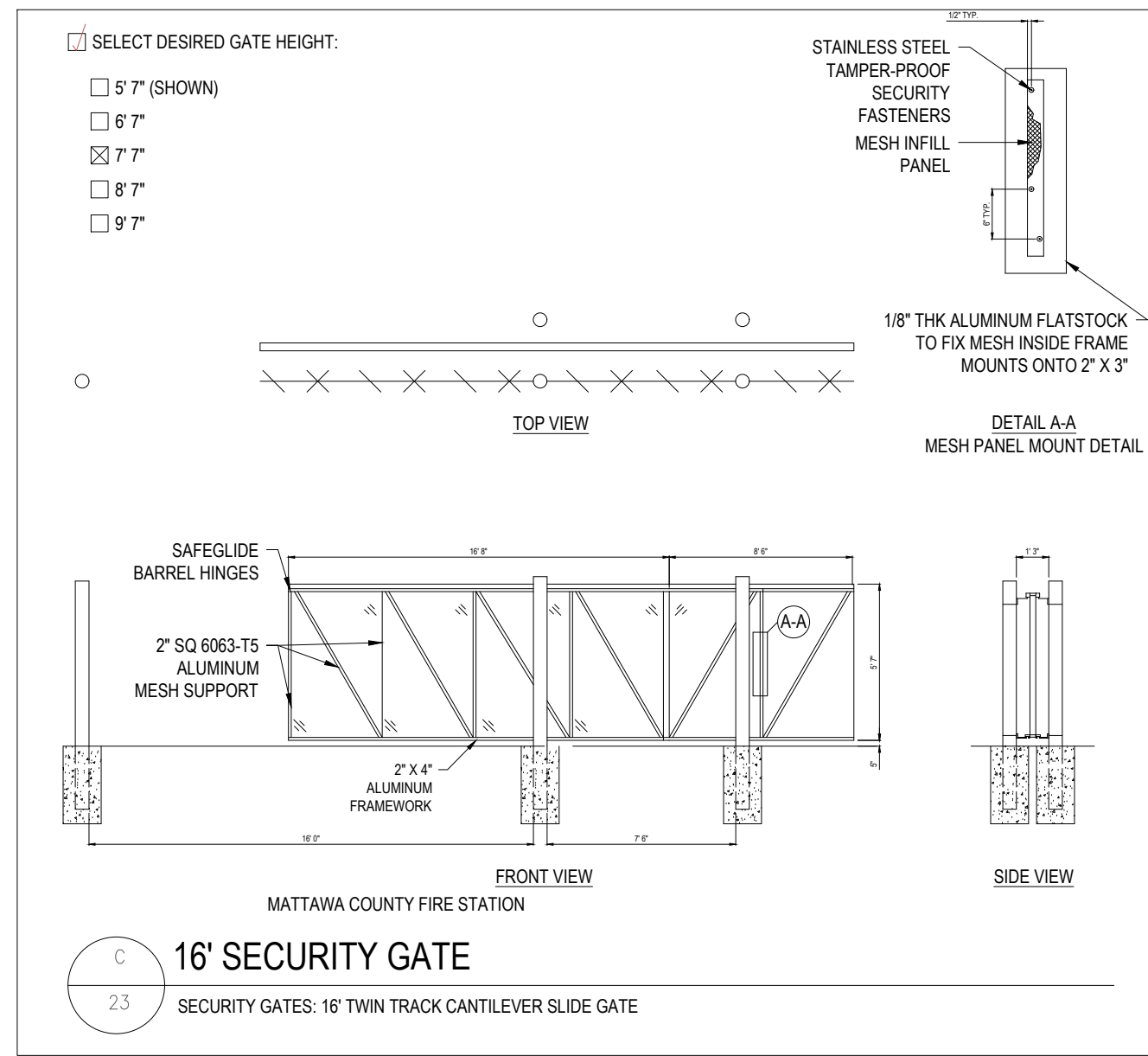
8' TALL, 3 RAIL SERIES

AMIGUARD PERIMETER SYSTEM: 8'H X 10'W, 3 RAIL SERIES



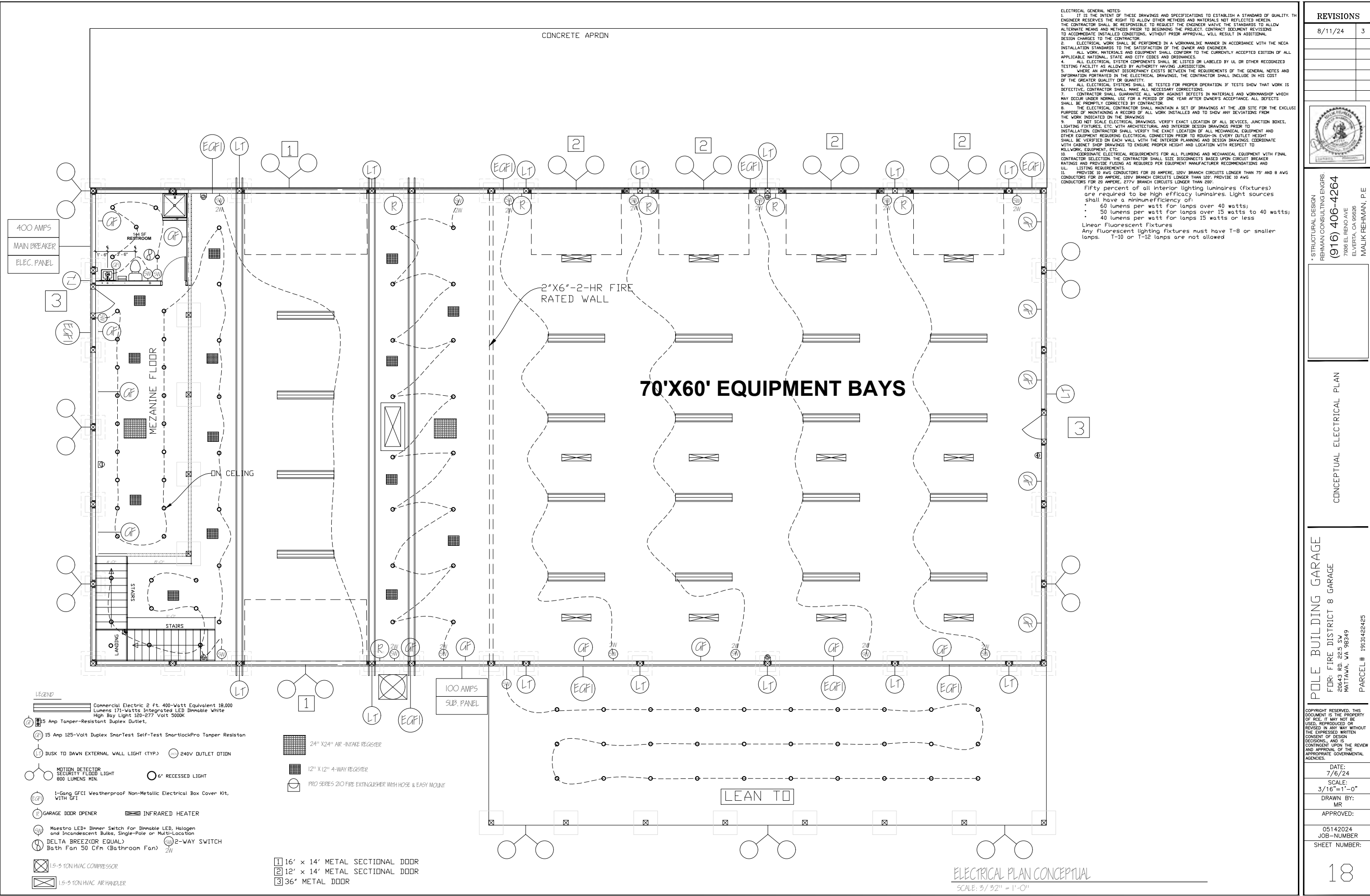
4' SECURITY GATE

SECURITY GATES: 4' SINGLE SWING GATE WITH TRANSOM



16' SECURITY GATE

SECURITY GATES: 16' TWIN TRACK CANTILEVER SLIDE GATE



REVISIONS

8/11/24

3

SEAL

REHMAN CONSULTING ENGINEERS

REHMAN CONSULTING ENGINEERS

(916) 406-4264

7936 EL RENO AVE

ELVERTA, CA 95626

MALIK REHMAN, P.E.

STRUCTURAL DESIGN

METAL DOOR DETAILS

(FOR REFERENCE ONLY)

POLE BUILDING GARAGE

FOR: FIRE DISTRICT 8 GARAGE

20643 RD. 22.5 SW

MATTAWA, WA 98349

PARCEL # 19131422425

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DATE:

7/6/24

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N.T.S.

DRAWN BY:

MR

APPROVED:

11132022

JOB-NUMBER

SHEET NUMBER:

20

DIE-CAST ALUMINUM CABLE DRUM

7 1/2"

COUPLER OF DOOR

25,000 CYCLE TORSION SPRING(S)

17'-8"

CENTERLINE OF SPRINGS

18'-0"

12'-0"

60"

12"

10'-0"

DEPTH INTO ROOM (APPROX)

BUMPER SPRING

REC'D DRUM CLEARANCE (MIN.)

HIGH LIFT

45° LATERAL BRACING REQ'D

TYPICAL HANGER ANGLE ASSEMBLY (BY OTHERS)

HORIZONTAL TRACK

WALL MOUNTING ANGLE (CONTINUOUS FOR OPENING HEIGHT)

CLIPS (24" O.C.) FASTENED TO ANGLE

TRACK BOLTED TO CLIPS FOR ADJUSTMENT

NOTE: CLIP SPACING & QTY MAY VARY

12'-0"

18'-0"

EXTEND JAMBS TO (MIN.)

FINISHED DOOR HEIGHT

FLEXIBLE VINYL HEADSEAL

.015" MINIMUM EMBOSSED EXTERIOR SKIN WITH A RANDOM STUCCO TEXTURE, PRE-PAINTED PRIOR TO MANUFACTURING WITH A 2-COAT SYSTEM OF POLYESTER PAINT WITH A TOTAL THICKNESS OF .9 MIL

GALVANIZED, ADJUSTABLE TOP BRACKET

TONGUE & GROOVE JOINT WITH RUBBER JOINT SEAL

CFC FREE POLYURETHANE CORE SANDWICH TYPE CONSTRUCTION TO INCLUDE A THERMAL BREAK.

ASHRAE CALCULATIONS:
"U" VALUE = 0.062
"R" VALUE = 16.22
AIR INFILTRATION TEST DATA NOT AVAILABLE

GRADUATED, GALVANIZED STEEL END HINGE INCLUDES A CONTINUOUS 20 GA. STEEL BACK UP PLATE

(4) FASTENERS MINIMUM FOR ATTACHMENT

INTERIOR SKIN IS PRE-PAINTED WITH A .6 MIL WHITE INTERIOR (INCLUDES PRIMER)

PVC RETAINER W/ "BULB" TYPE ASTRAGAL

1

INTERIOR ELEVATION

3

HIGH LIFT - BREAKAWAY

4

SECTION CONSTRUCTION

5 1/2"

RECOMMENDED SIDEROOM

3/8" x 3" (MIN.) SLEEVE ANCHORS (SUPPLIED BY OTHERS)

DOOR FLUSH WITH JAMBS

3" GALVANIZED DOOR TRACK

18'-2"

OPENING WIDTH

1/4"-20 TEK SCREWS (TYP. ALL HINGES)

14 GA. (MIN.) #1 COMMERCIAL HINGE

MASONRY JAMBS BY OTHERS

20 GA. CONTINUOUS HARDWARE MOUNTING STRIP

14 GA. (MIN.) GRADUATED END HINGE

16 GA. DOUBLE ENDCAP

3" ROLLER W/ STEEL STEM

5 1/2"

RECOMMENDED SIDEROOM

2

JAMB DETAIL

INSTALLATION NOTE:
ALL ANCHORS MUST BE POSITIONED 1" (MIN.) FROM MORTAR JOINTS

STANDARD COMMERCIAL PRODUCT SUBMITTED BASED ON DESIGN CRITERIA PROVIDED. MINIMUM WIND LOAD AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION OVER THE GEOGRAPHICAL LOCATION OF DOOR(S) INSTALLATION MAY REQUIRE ADDITIONAL DESIGN CONSIDERATION AND/OR CLEARANCES.

SECTIONS

CORE MATERIAL IS 2.2 LBS./FT³ DENSITY CFC-11 FREE POLYURETHANE FOAM. SKIN MATERIAL/OUTSIDE IS .015" HOT-DIPPED GALVANIZED STRUCTURAL QUALITY STEEL, EMBOSSED WITH NON-REPEAT RANDOM STUCCO TEXTURE. PRE-PAINTED PRIOR TO MANUFACTURING WITH A TWO-COAT SYSTEM OF POLYESTER PAINT WITH A FINISHED COAT (INCLUDES PRIMER). INSIDE AND OUTSIDE SKINS ARE ROLL-FORMED AND SEPARATED WITH A THERMAL BREAK. HINGE LOCATIONS HAVE 20 GAUGE CONTINUOUS BACK-UP PLATES. BOTTOM ASTRAGAL IS A TWO-PIECE "BULB" TYPE ASTRAGAL TO BE ATTACHED TO THE INSIDE SKIN. SECTION ENDS HAVE END CAPS OF 18 GAUGE HOT-DIPPED GALVANIZED STEEL. BETWEEN SECTION JOINT SEAL IS STANDARD.

ASHRAE CALCULATIONS: "U" VALUE = 0.062 "R" VALUE = 16.22

TRACK

MAT'L: GALVANIZED

SIZE: 3"

TYPE: ANGLE

JAMBS: MASONRY

DOOR EXTERIOR: WHITE

ROLLERS

SIZE: 3"

TIRE: STEEL

BEARING: CASE HARDENED

SPRINGS:

TYPE: TORSION

MAT'L: OIL-TEMPERED

SIZE: DUPLEX

QTY: 2

LOCATION: FRONT

TORSION SHAFT:

MAT'L: SOLID CRS

SIZE: 1"

DRUMS

MAT'L: ALUMINUM

TYPE: 500-84

HINGES/BRAKETS:

MAT'L: GALVANIZED

GAUGE: 14 (MINIMUM)

CABLE:

MAT'L: GALVANIZED

TYPE: AIRCRAFT

SPECIAL NOTES:

DOOR NUMBER (DOOR MARKS)	QTY.	NET OPENING SIZE	FINISHED DOOR SIZE	TYPE OF LIFT	TYPE OF OPERATION	SECT'S GLAZED	LITES PER SECT.	PANELS WIDE	SECTIONS HIGH		
									24"	20.8"	18"
A	1	18'-2" X 12'-0"	18'-2" X 12'-1"	HIGH	MANUAL	0	0	5	6	0	0

PROJECT:	DRAWN BY:	QUOTE/SALES ORDER No.
ARCHITECT:	DAW	SAMPLE 5255
CONTRACTOR:	DATE:	10/3/2016
DISTRIBUTOR:	SHEET:	1 OF 1
		FILE No. SAMPLE 5255

(INSULATED & MOTORIZED)GARAGE PANEL DOOR FOR REFERENCE ONLY; CONTRACTOR TO VERIFY WITH MANUFACTURER FOR ACTUAL SPECIFICATIONS, FABRICATION & INSTALLATION DETAILS BASED ON OPENINGS, AND AQUIRE MOTORIZATION COMPONENT & INSTALLATION DETAILS RELATED TO THE SPECIFIC DOOR STYLE SELECTED. CONTRACTOR TO PROVIDE CUT SHEETS TO OWNER FOR APPROVAL