SHEET SCHEDULE

- 1.1 MEADOWOOD PARK PROJECT LOCATION AND SITE ACCESS
 1.2 MEADOWOOD PARK DEMOLITION AND PROTECTION PLAN
 1.3 MEADOWOOD PARK SITE PLAN

- MEADOWOOD PARK GRADING AND EROSION CONTROL PLAN MEADOWOOD PARK DESIGN CALCULATIONS
- MEADOWOOD PARK CONCRETE FOOTING WITH L-CONDUIT

SHEETS 1.0-5.0: PRELIMINARY DRAWINGS OF ICON HX28TS SHELTER - FOR REFERENCE ONLY



City of Madison Department of Public Works **PARKS DIVISION**

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play MAĎISON PARKS



2018 MEADOWOOD PARK SUN SHELTER INSTALLATION

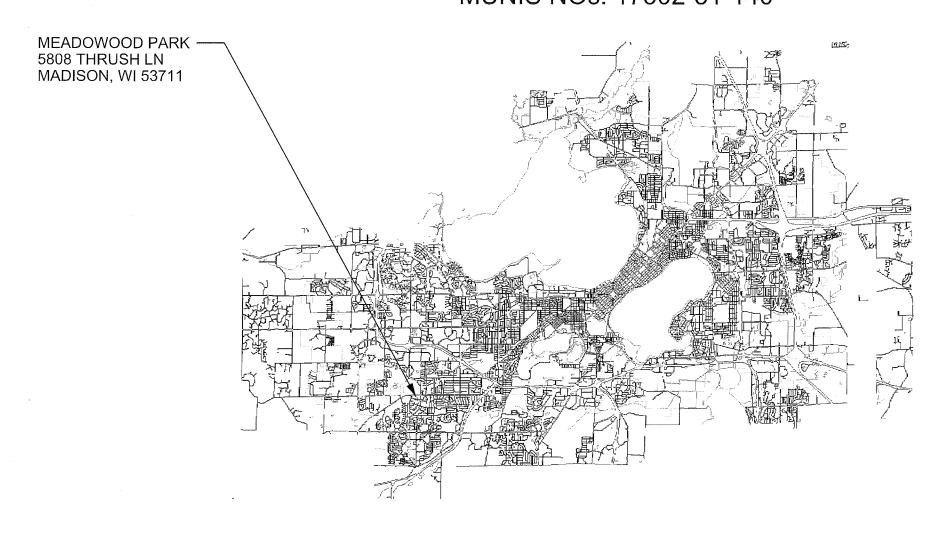
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

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Advertised by: KK	03-29-2018
PUBLIC WORKS PROJECT	#:
8158	
0130	

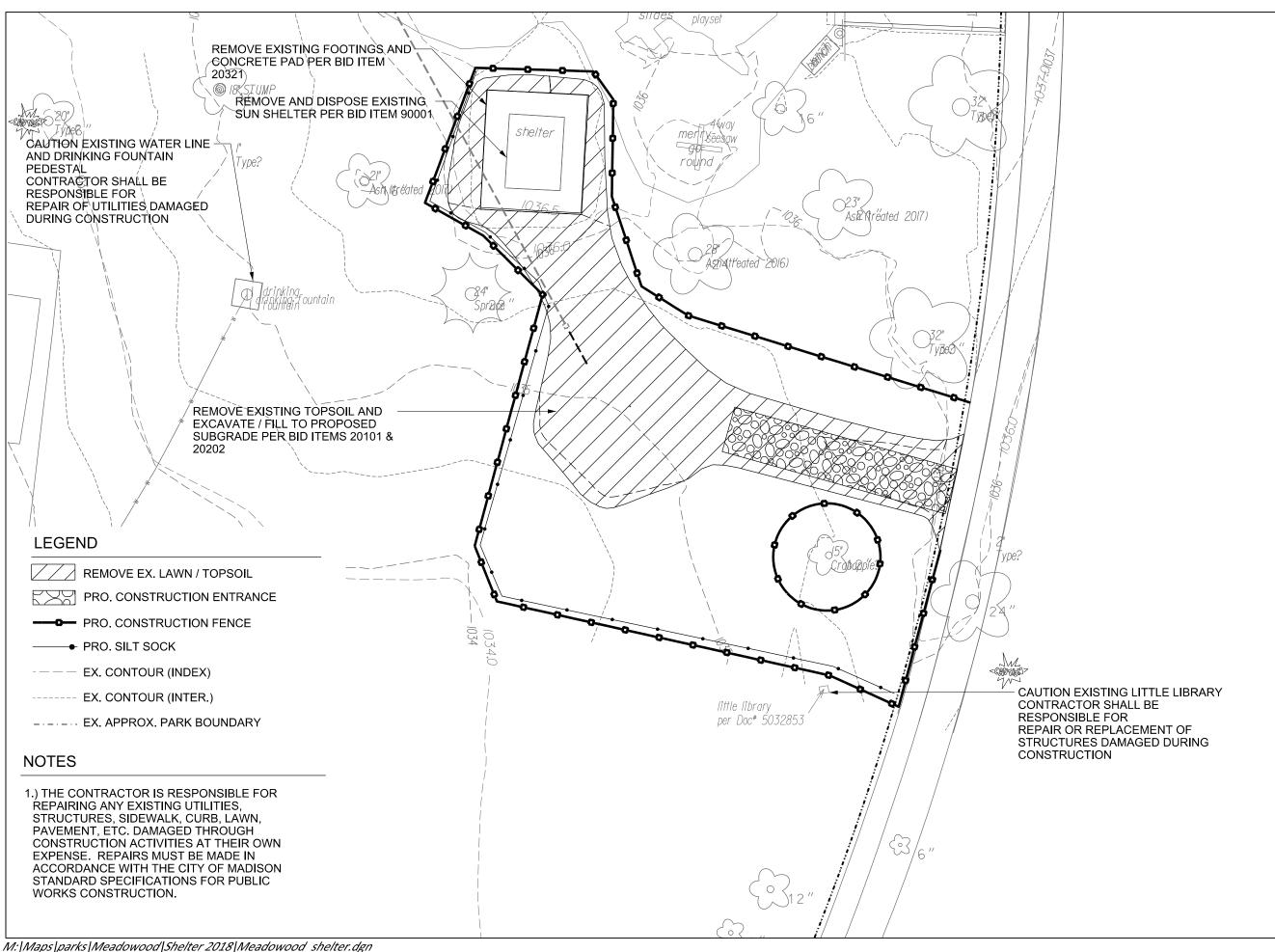
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SHEET NUMBER:

2018 MEADOWOOD PARK SUN SHELTER INSTALLATION **CONTRACT 8158** MUNIS NOs. 17502-51-140







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> play MADISON PARKS

Graphical Scale

20 ft

2018 MEADOWOOD PARK SUN **SHELTER** INSTALLATION

MEADOWOOD PARK 5808 THRUSH LN MADISON, WI 53711

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

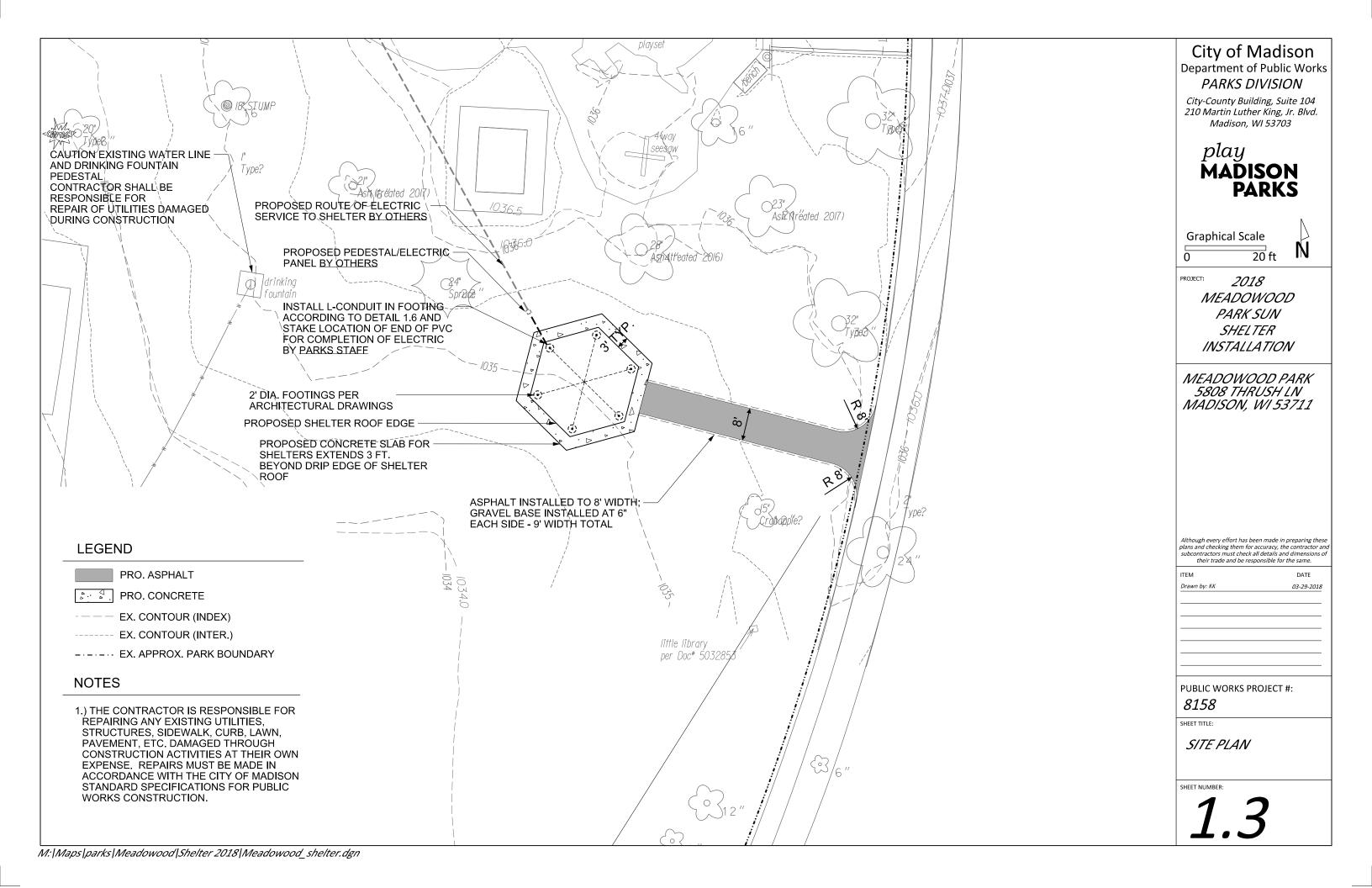
03-27-2018

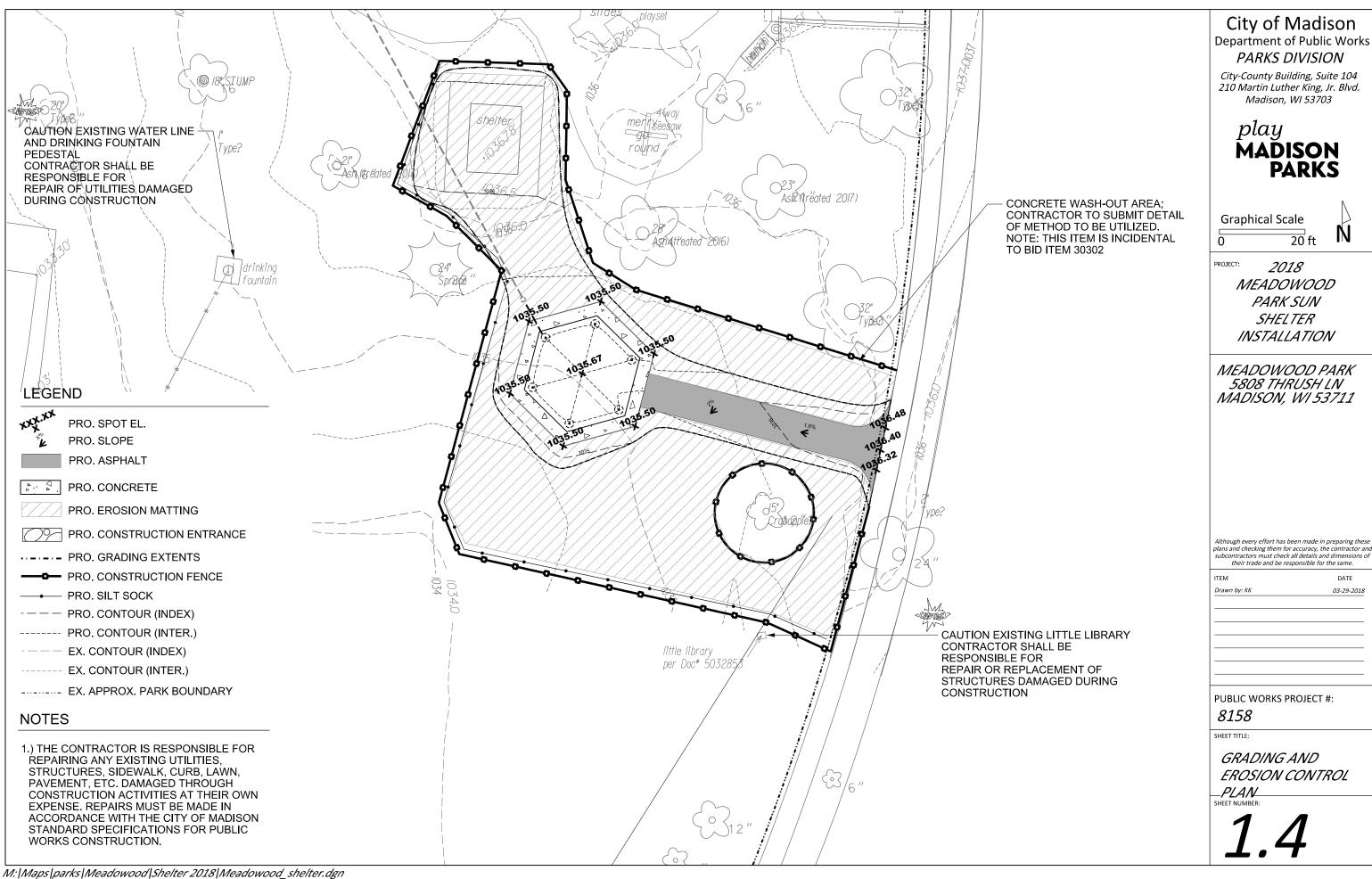
PUBLIC WORKS PROJECT #:

8158

SHEET TITLE:

DEMOLTION AND PROTECTION PLAN





	Meadowo	ood Park Sun Shelter C	alculations								
	City of Madi	ison, WI Parks Div									
	Date Revise										
	Notes:		CII								
		ımes are cuts, negative volum				1.5					
	Not all parts	of all surface models (Digital	Terrain Models) are used for	computation	s or intended	d for actua	il construction.				
	Existing	Meadowood_Survey2017-1	1-28.dtm								
	Proposed	Pro1.dtm									
Sort	Grp	Material	Item	From Surface Model	To Surface Model	area (sq ft)	depth (ft)	Unfac- tored volume (cu ft)	Unfac- tored volume (cu yd)	Expan- sion Factor (%)	Factored (Uncom- pacted) Volume (cu yd)
	Grass to										
1.1		Topsoil Excavate	Strip 6in topsoil	n/a	n/a	567	0.50	283	10.5	0%	10.5
	Grass to		Cut subsoil to proposed				0.00			2,0	
1.2		Subsoil Excavate	subgrade	Ex-6in	Pro-12in	567	varies	75	2.8	0%	2.8
	Grass to		Fill subsoil to proposed								
1.3	Asphalt	Subsoil Place	subgrade	Ex-6in	Pro-12in	567	varies	-5	-0.2	0%	-0.2
	Grass to	Gravel (for Pavement)	Place 9in gravel base out to								
1.4	Asphalt	Place	6in from pavement edge	n/a	n/a	567	-0.75	-425	-15.7	0%	-15.7
	Grass to										
1.5	Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	482	-0.25	-121	-4.5	0%	-4.5
	Grass to		Place 3in topsoil over 6in								
1.6		Topsoil Place	wide gravel edge	n/a	n/a	85	-0.25	-21	-0.8	0%	-0.8
	Grass to										
2.1		Topsoil Excavate	Strip 6in topsoil	n/a	n/a	841	0.50	421	15.6	0%	15.6
0.0	Grass to		Cut subsoil to proposed	E 0:	D 40:	044		457		00/	
2.2		Subsoil Excavate	subgrade	Ex-6in	Pro-13in	841	varies	157	5.8	0%	5.8
2.3	Grass to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-13in	841	varies	-23	-0.8	0%	-0.8
2.5	Grass to	Gravel (for Pavement)	Place 6in gravel base out to	EX-OIII	F10-13III	041	varies	-23	-0.0	070	-0.0
2.4		Place	6in from pavement edge	n/a	n/a	841	-0.50	-421	-15.6	0%	-15.6
2.7	Grass to	T lacc	on nom pavement eage	TIV C	11/4	041	0.00	721	10.0	0 70	10.0
2.5		Concrete Place	Place 7in concrete	n/a	n/a	789	-0.58	-460	-17.0	0%	-17.0
	Grass to		Place 7in topsoil over 6in								
2.6		Topsoil Place	wide gravel edge	n/a	n/a	52	-0.58	-30	-1.1	0%	-1.1
	Grass to										
3.1	Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1647	0.50	824	30.5	0%	30.5
	Grass to		Cut subsoil to proposed								
3.2	Grass	Subsoil Excavate	subgrade	Ex-6in	Pro-6in	1647	varies	152	5.6	0%	5.6
	Grass to		Fill subsoil to proposed								
3.3		Subsoil Place	subgrade	Ex-6in	Pro-6in	1647	varies	-153	-5.7	0%	-5.7
	Grass to		5		1.						
3.4		Topsoil Place	Place 6in topsoil	n/a	n/a	1647	-0.50	-824	-30.5	0%	-30.5
	Concrete to		D 0" 15 0 1	1			0.50	202	,,-	201	
4.1		Concrete Excavate	Remove 6" of Ex Concrete	n/a	n/a	566	0.50	283	10.5	0%	10.5
4.0	Concrete to		Cut subsoil to proposed	Гу 6:	Dro Cir		\ m m'	000	400	00/	10.0
4.2		Subsoil Excavate	subgrade Fill subsoil to proposed	Ex-6in	Pro-6in	566	varies	292	10.8	0%	10.8
4.3	Concrete to Grass	Subsoil Place	subgrade	Ex-6in	Pro-6in	566	varios	0	0.0	0%	0.0
4.3	Concrete to		Subgrade	LA-OIII	F10-0111	300	varies	U	0.0	U%	0.0
	Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	566	-0.50	-283	-10.5	0%	-10.5

City of Madison, WI Parks Div					
Date Revised:			1/26/2018		
Dervied from more detailed spread	dsheet available from	Parks Div			
Meadowood Park Sun Shelter C	Computation Summa	ary			
Positive volumes are cuts (materia	al available), negative	volumes are fills	(material need		
Row Labels	n of Factored (Unco	m-pacted) Volu	ıme (cu yd)		
Asphalt Place	•	•	-4.5		
Concrete Excavate 10.5					
Concrete Place -17.0					
Gravel (for Pavement) Place -31.3					
Subsoil Excavate			25.0		
Subsoil Place			-6.7		
Topsoil Excavate			56.6		
Topsoil Place			-42.9		
Grand Total			-10.4		
Reorganized into bid table items					
Neorganized into bid table items					
Bid Item	Quantity	Units	Relation to Table Above		
			= Subsoil Excavate		
20101 Excavation Cut	82	CY	+ Topsoil Excavate		
			= difference of		
			Subsoil Place &		
20201 Fill	18	CY	Subsoil Excavate		
			= (Topsoil Place)/-		
20221 Topsoil	257	SY	.167		
40102 Crushed Aggregate Base Co			= (Gravel Place) *		
Gradation No. 2	63	tons	-2 ton/cubic yard		

10.0

tons

Meadowood Park Shelter Calculations

40201 3" Depth HMA Pavement Type E-0.3

City of Madison Department of Public Works PARKS DIVISION

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PROJECT: 2018

MEADOWOOD

PARK SUN

SHELTER

INSTALLATION

MEADOWOOD PARK 5808 THRUSH LN MADISON, WI 53711

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE		
Drawn by: KK	03-27-2018		

PUBLIC WORKS PROJECT #: 8158

SHEET TITLE:

DESIGN CALCULATIONS

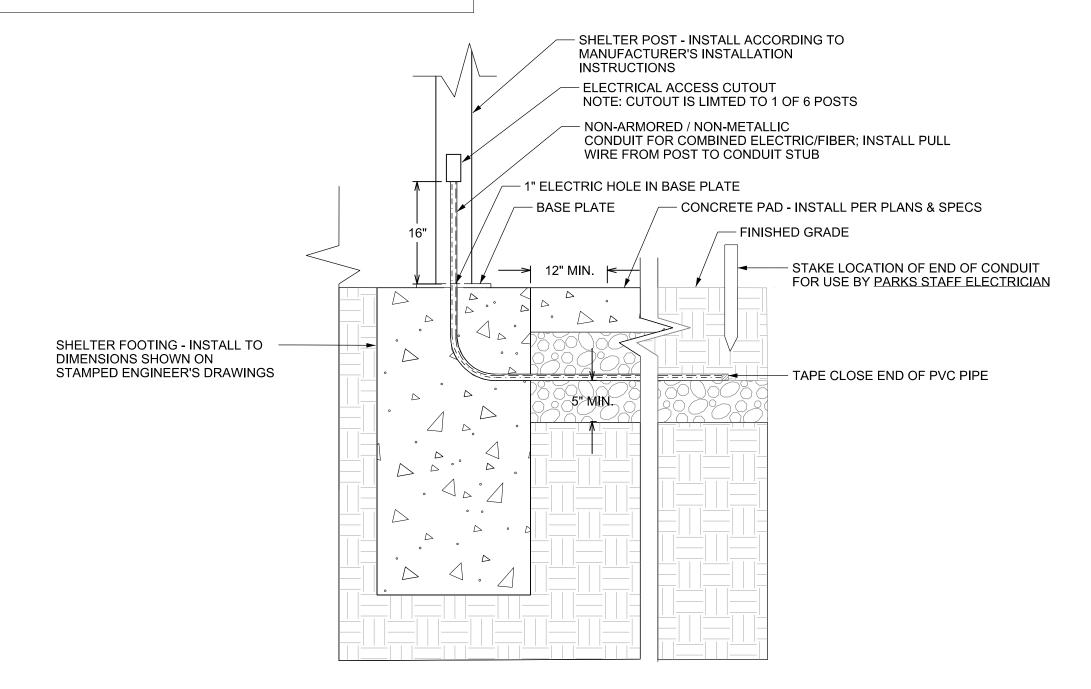
SHEET NUMBER:

= Asphalt Place * -

2.16 ton/cubic yard

1.5

NOTE: FOOTING (TOTAL OF 1) TO BE INSTALLED ACCORDING TO DETAIL SHOWN ON THIS SHEET IS IDENTIFIED ON SITE PLAN SHEET 1.3; ALL OTHERS WILL BE STANDARD FOOTING AS SHOWN ON STAMPED ENGINEER'S DRAWINGS



City of Madison Department of Public Works PARKS DIVISION

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play MAĎISON PARKS

Graphical Scale

ft 2018

MEADOWOOD PARK SUN **SHELTER** INSTALLATION

MEADOWOOD PARK 5808 THRUSH LANE MADISON, WI 53711

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE			
Drawn by: KK	03-29-2018			

PUBLIC WORKS PROJECT #:

8158

SHEET TITLE:

CONCRETE FOOTING WITH L-CONDUIT



JOB NUMBER: 5288

JOB NAME: SAUK CREEK PARK

JOB LOCATION: MADISON. WI

REVISION:



1455 LINCOLN AVE. HOLLAND MI, 49423

> 616 396 0919 800 748 0985 616.396.0944 FX

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1.0 Cover Sheet 2.0 Elevation

3.0 Anchor Bolt Layout 4.0 Frame Layout

5.0-5.1 Frame Connections

6.0 T&G Roof Layout 7.0 SS Roof Layout 8.0-8.7 Roof Connections

DESIGN LOADS

CODE: 2009 INTERNATIONAL BUILDING CODE

TOTAL DEAD: 10.10 P.S.F. FRAME DEAD: 4.10 P.S.F. ROOF DEAD: 3.50 P.S.F. COLLATERAL DEAD: 2.50 P.S.F. ROOF LIVE LOAD: 18.00 P.S.F. GROUND SNOW LOAD: 30.00 P.S.F. ROOF SNOW LOAD: 25.20 P.S.F. WIND SPEED: 90.00 M.P.H.

EXPOSURE: C

SEISMIC USE GROUP: I SEISMIC SITE CLASS: D SEISMIC DESIGN CATEGORY: B

SEISMIC ANALYSIS: SIMPLIFIED

NOTES

MATERIALS (ASTM DESIGNATION) A-500 GRADE B (HSS HOLLOW STRUCTURAL SECTION) TUBE STEEL WIDE FLANGE SECTIONS A-992 STRUCTURAL STEEL PLATE A - 36ROOF PANELS (STEEL) A - 446F1554 GRADE 36 ANCHOR BOLTS CONNECTION BOLTS A - 325

ALL WELDING CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED. ALL WELDING IS PERFORMED BY AWS CERTIFIED WELDERS.

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY ICON SHELTER SYSTEMS INC. AND IS NOT INTENDED AS THE SEAL OF THE ENGINEER OF RECORD FOR THE ENTIRE PROJECT.

DUE TO STANDARDIZED FABRICATION PARTS SHOWN MAY BE UPGRADED. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

ICON SHELTER SYSTEMS INC. RECOMMENDS THAT THE PRIMARY FRAMING INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM OF FIVE (5) YEARS OF DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

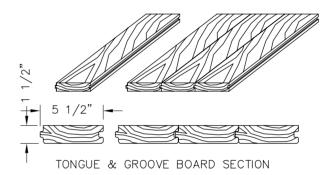
HIGH STRENGTH BOLTING

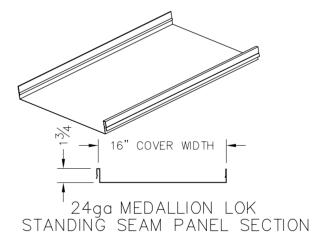
ALL HIGH STRENGTH BOLTS ARE A-325 BOLTS WITH HEAVY HEX NUTS. THE BOLTS ARE TO BE INSTALLED UTILIZING THE "SPECIFICATION FOR STRUCTURAL JOINTS ASTM A325 OR A490 BOLTS" (12/31/2009) AS PREPARED BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) FOR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). THE BOLTS SHALL BE INSTALLED AS SNUG TIGHTENED WHICH IS DEFINED AS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE PLIES INTO FIRM CONTACT, WHICH IS THE CONDITION WHEN THE PLANES OF CONTACT BETWEEN TWO PLIES ARE SOLIDLY SEATED AGAINST EACH OTHER, BUT NOT NECESSARILY IN CONTINUOUS CONTACT WITH UTILIZATION OF THE SNUG TIGHTENING METHOD, NO WASHERS ARE REQUIRED ALL CONNECTIONS ARE BEARING TYPE CONNECTIONS UNLESS NOTED OTHERWISE.

IT IS THE RESPONSIBILITY OF THE INSTALLER TO INSURE PROPER TIGHTNESS.

PROPER ERECTION OF THE FRAMING MEMBERS REQUIRES THE MAIN COLUMNS TO BE PLUMB & SQUARE. COLUMNS, RAFTER, AND TIE BEAM CONNECTIONS MUST BE TIGHTENED BEFORE INSTALLING THE PURLINS. PURLINS MUST BE PARALLEL TO THE TIE BEAMS AND EAVE BEAMS.

ROOF

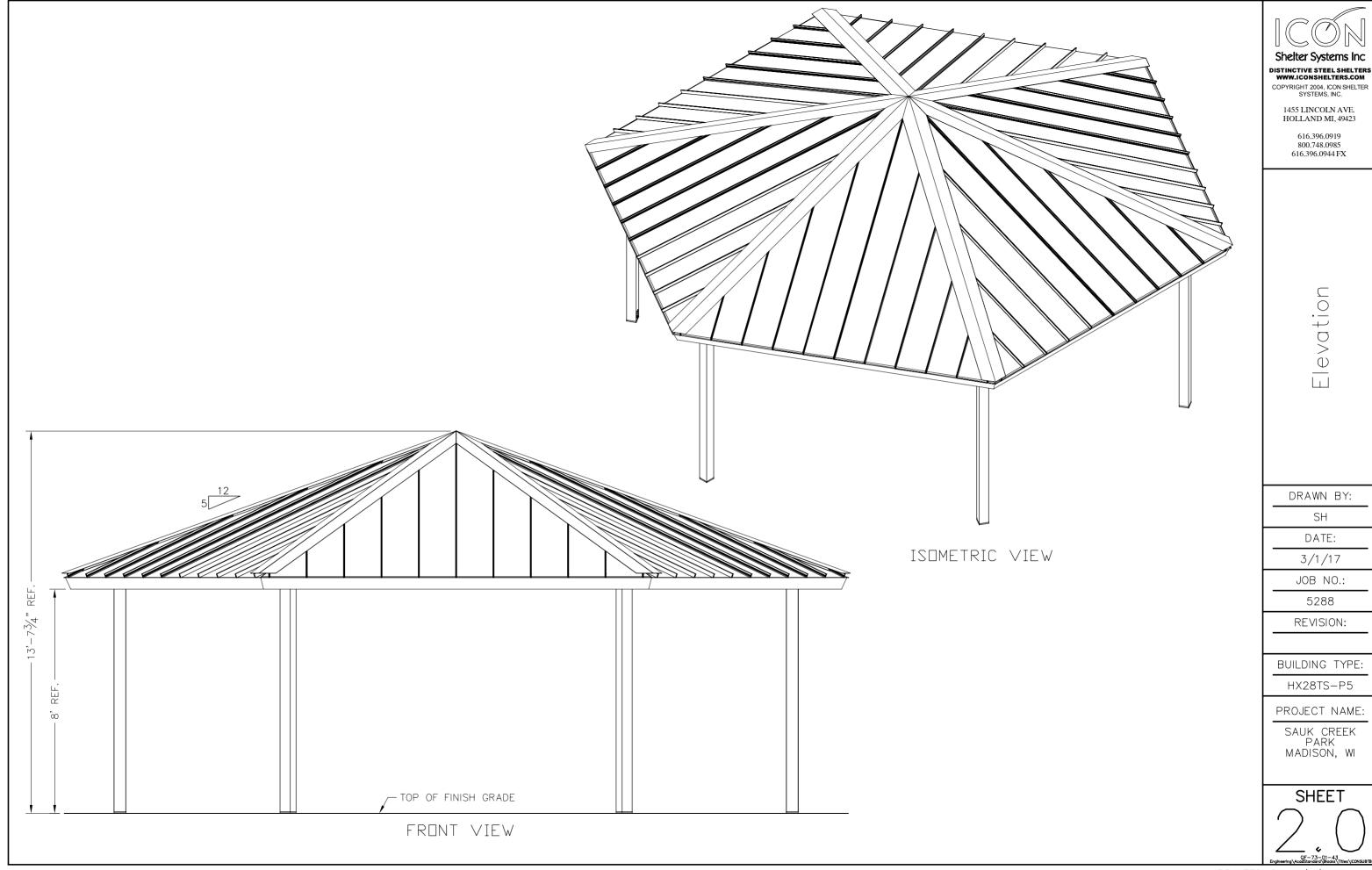




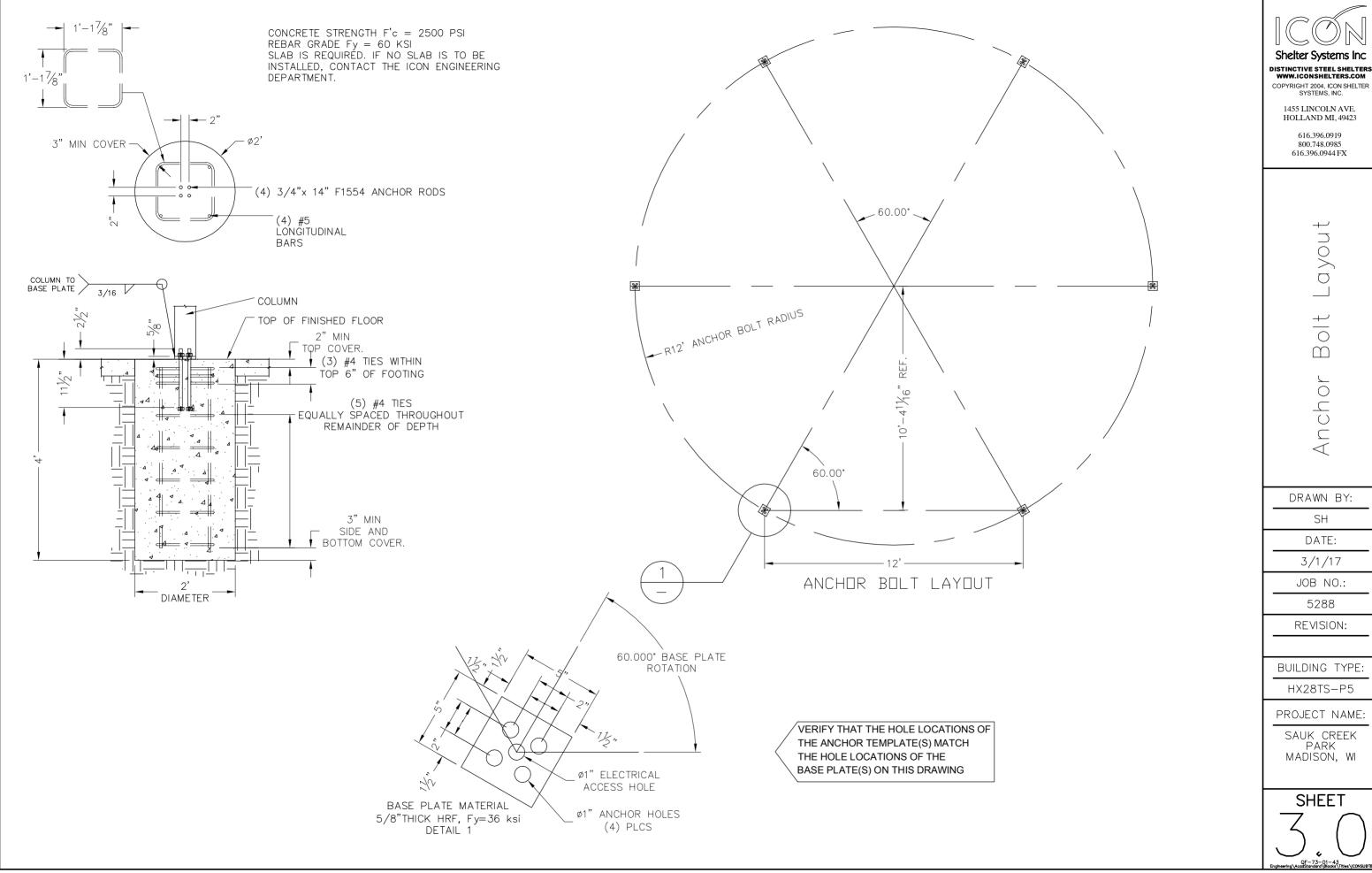
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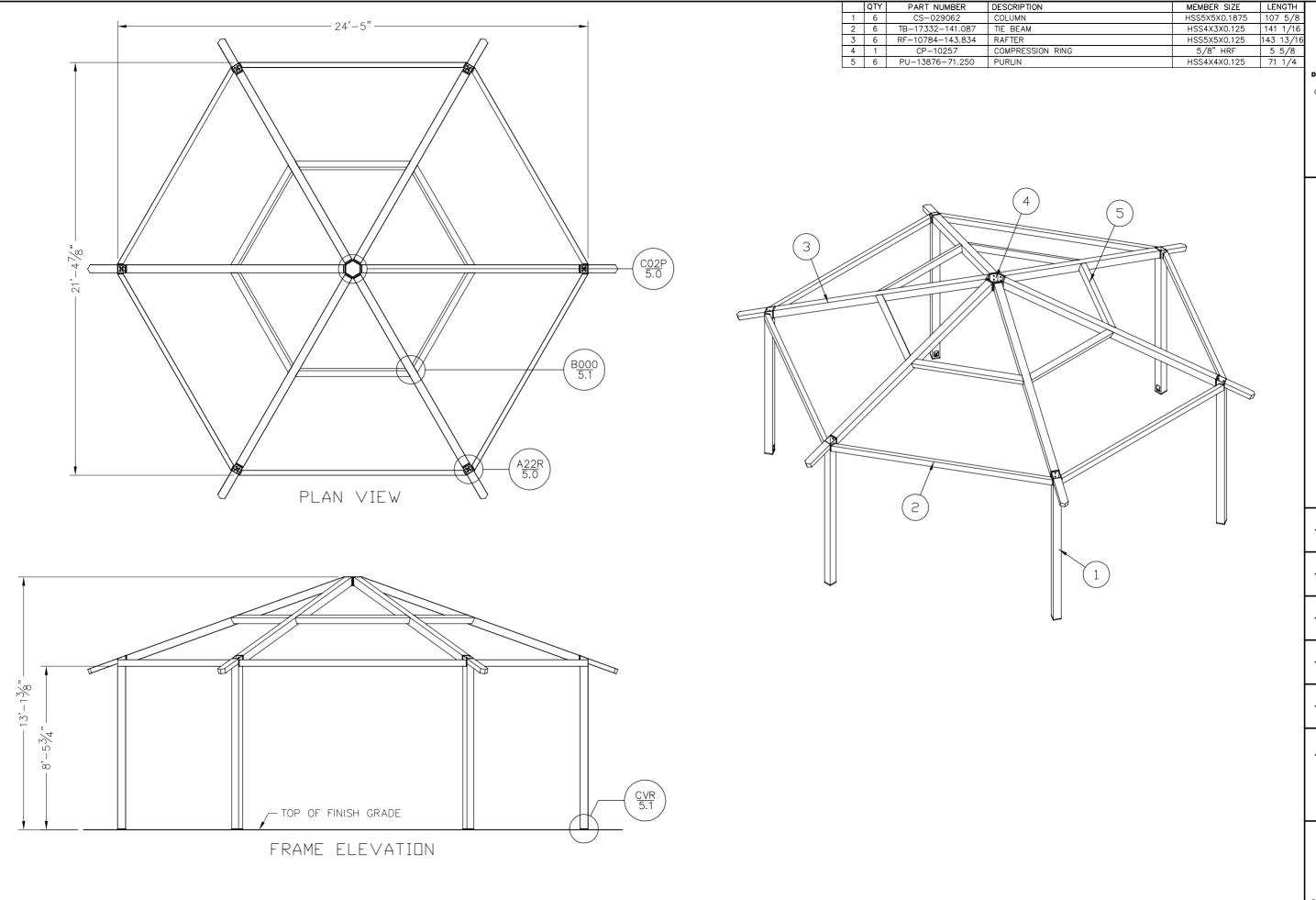
HX28TS-P5 PROJECT NAME:

SAUK CREEK PARK MADISON. WI



Elevation DRAWN BY: SH DATE: 3/1/17 JOB NO.: 5288 REVISION: BUILDING TYPE: HX28TS-P5 PROJECT NAME: SAUK CREEK PARK MADISON, WI





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> > Frame Layout

DRAWN BY:

SH DATE:

3/1/17

JOB NO.: 5288

REVISION:

BUILDING TYPE:

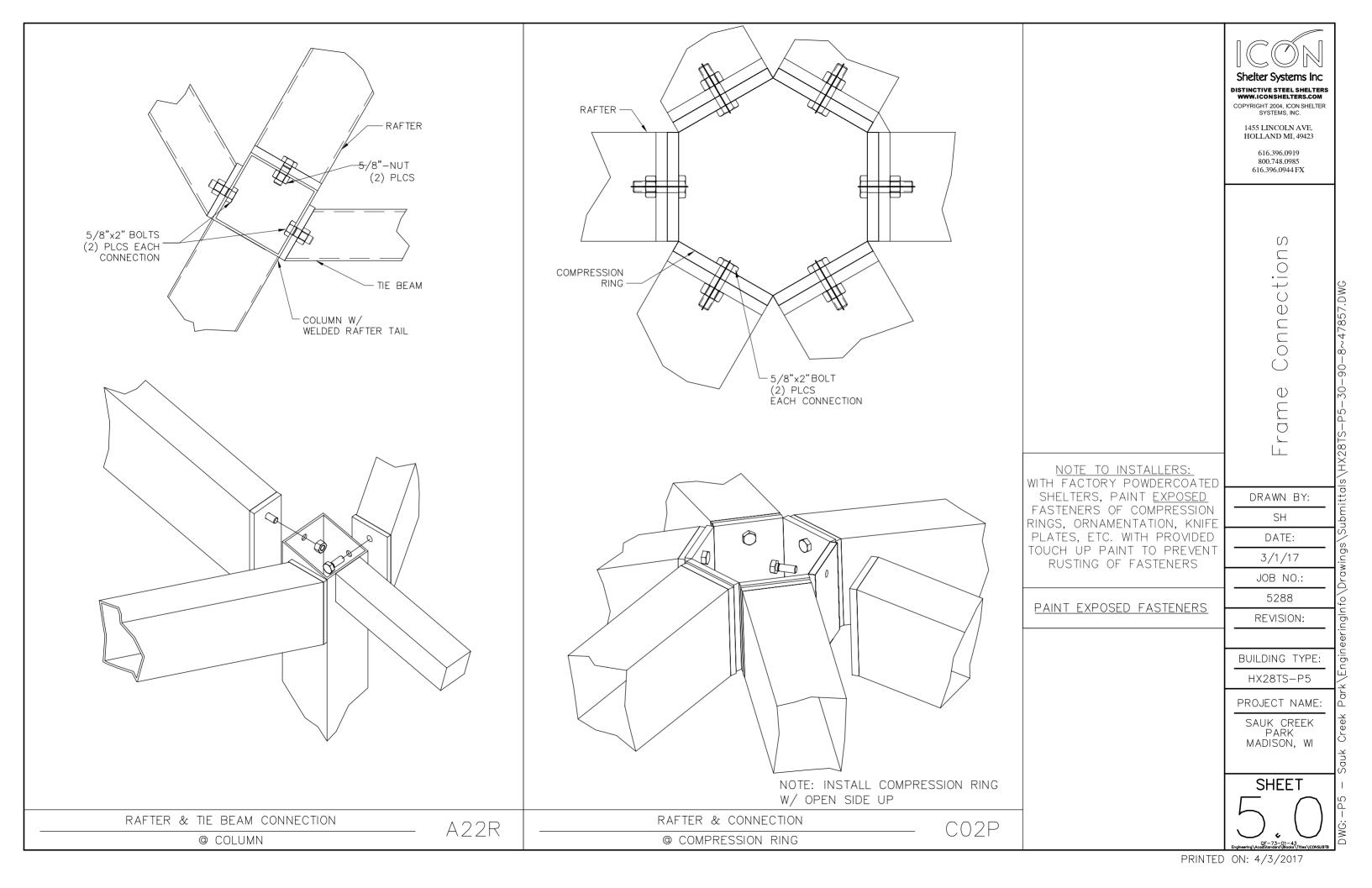
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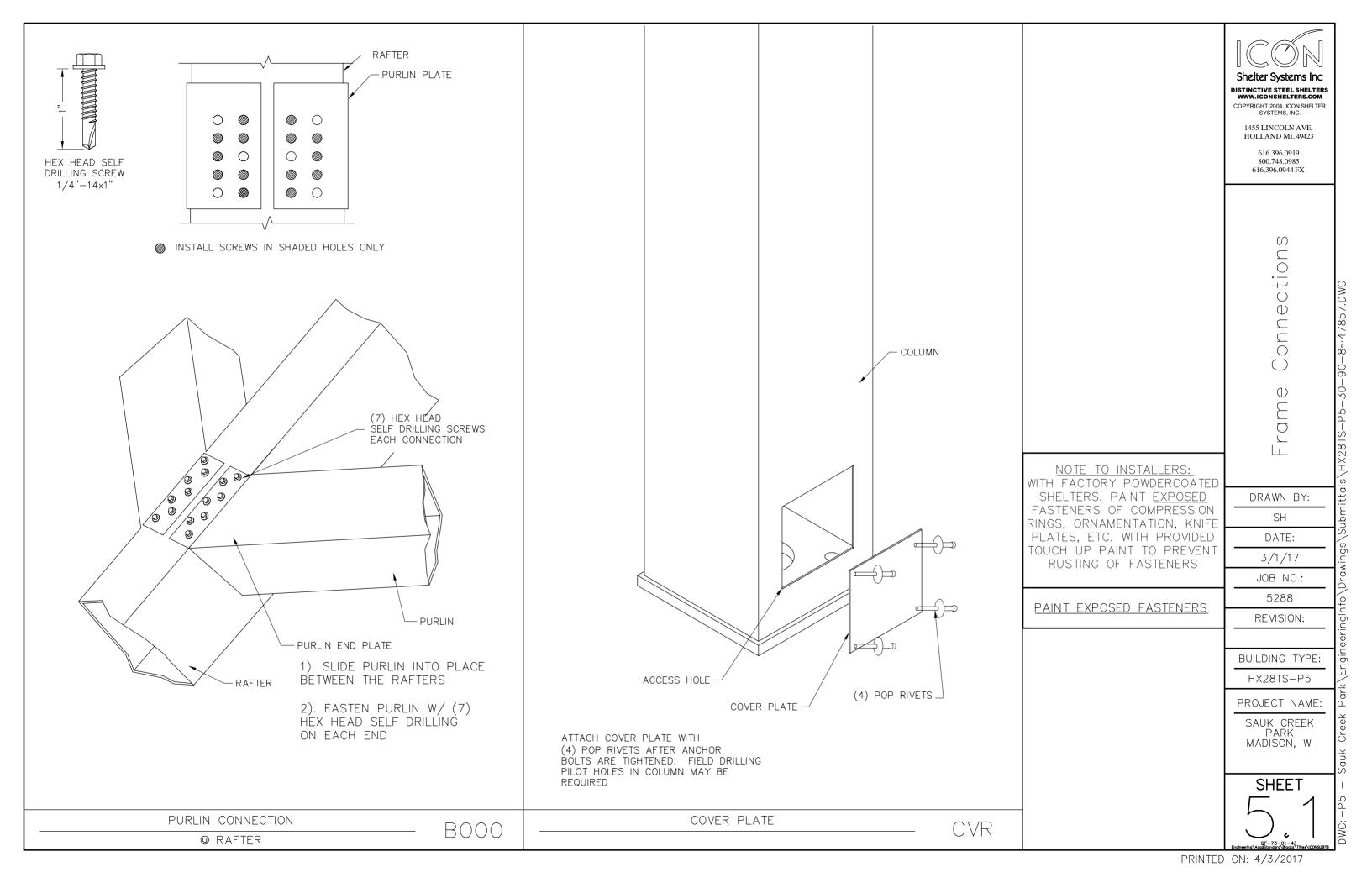
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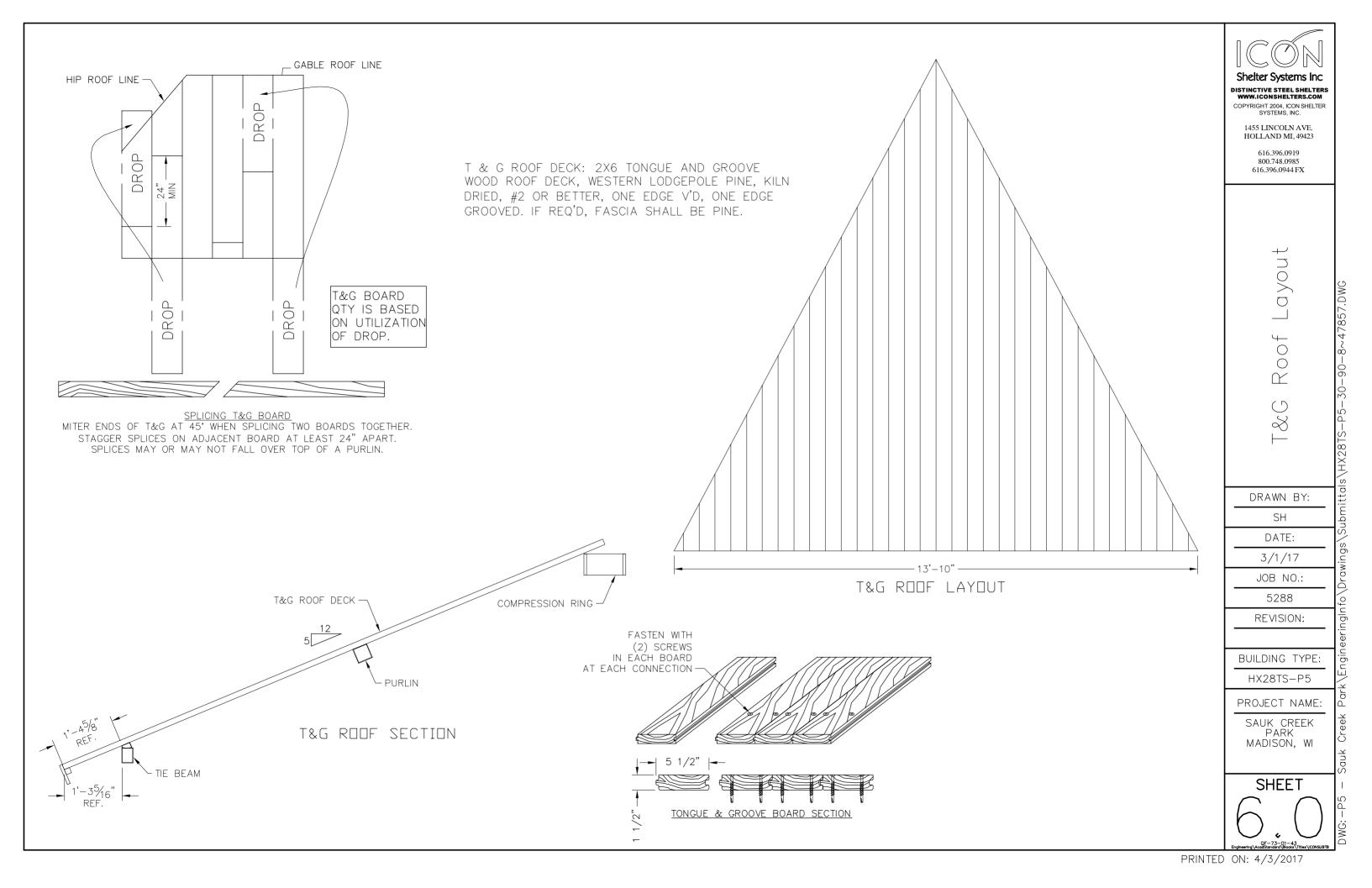
SAUK CREEK PARK MADISON, WI

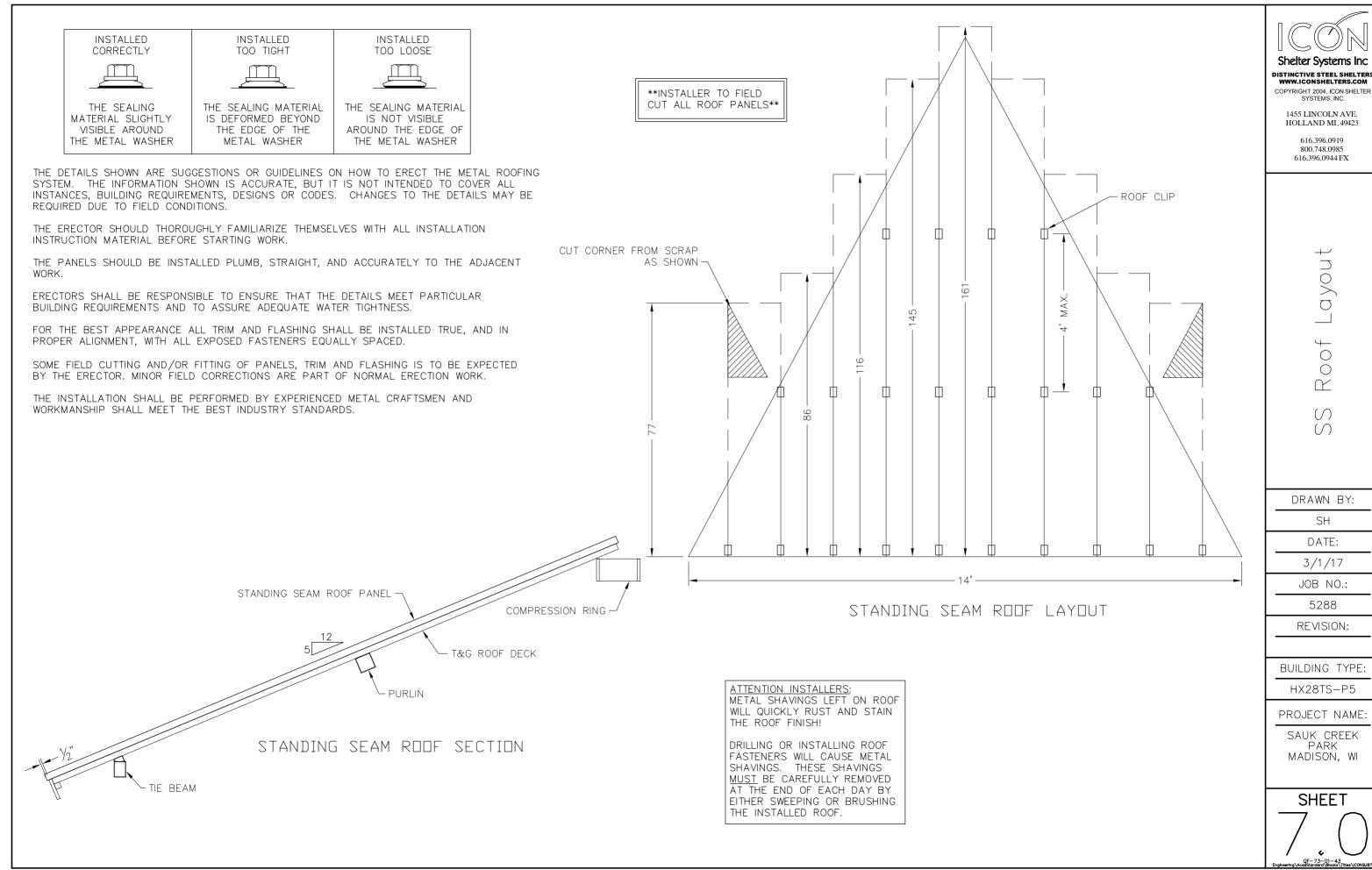
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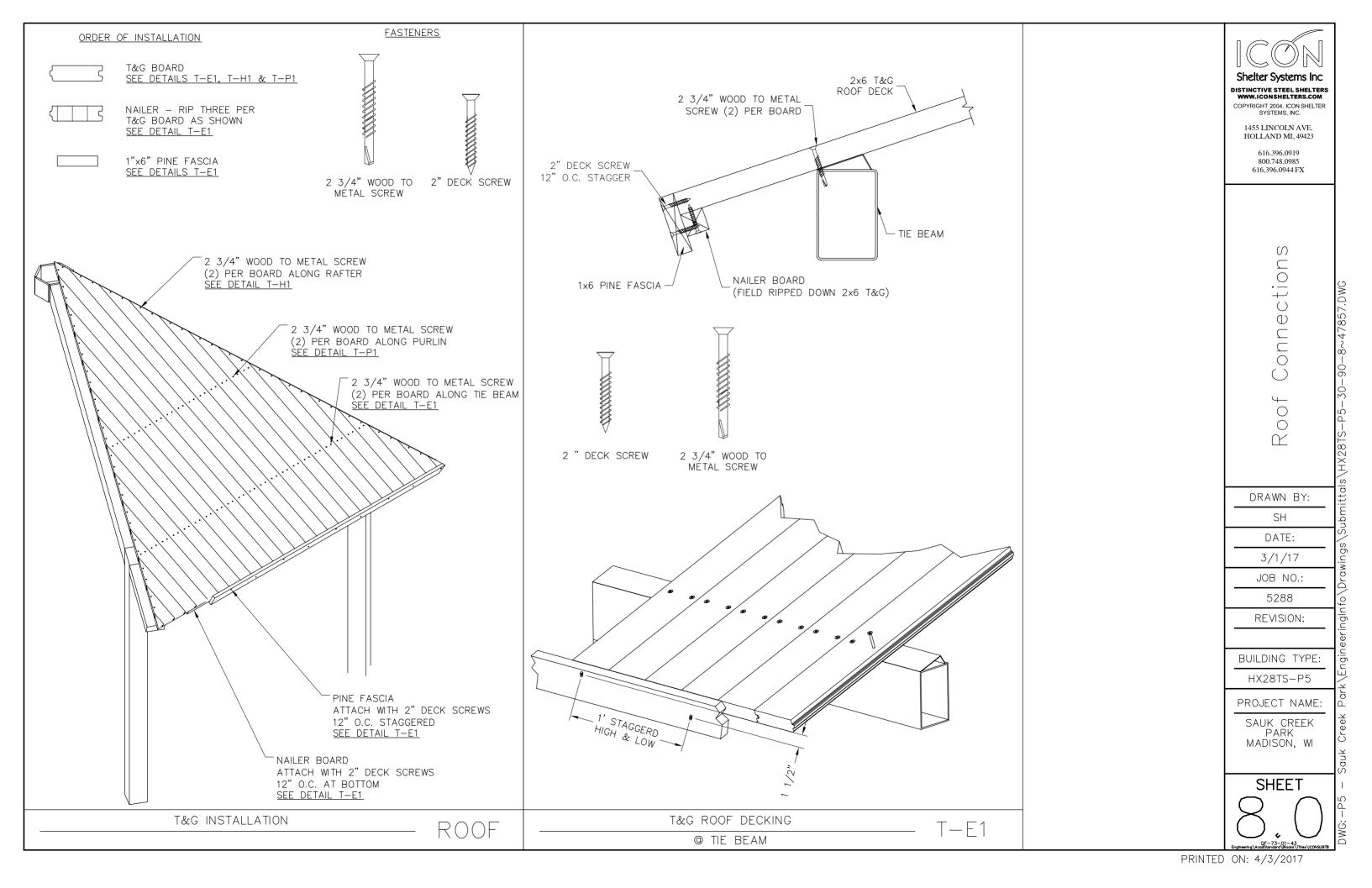
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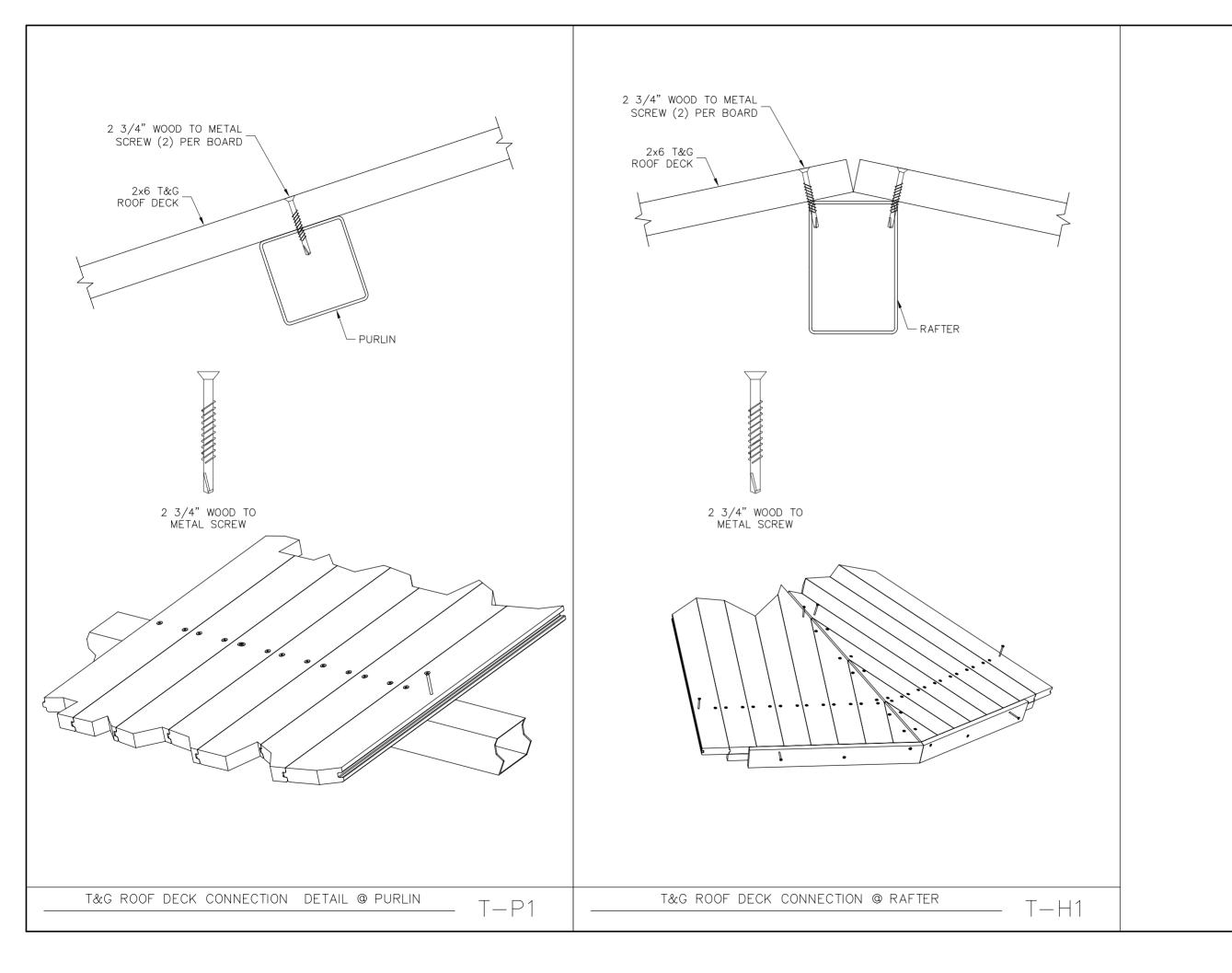


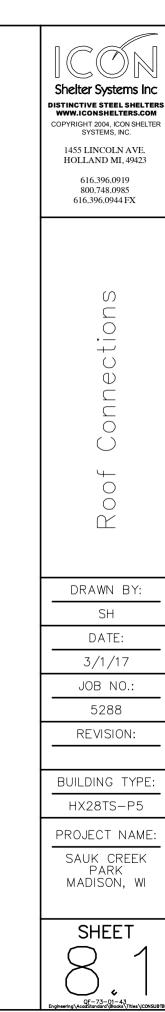


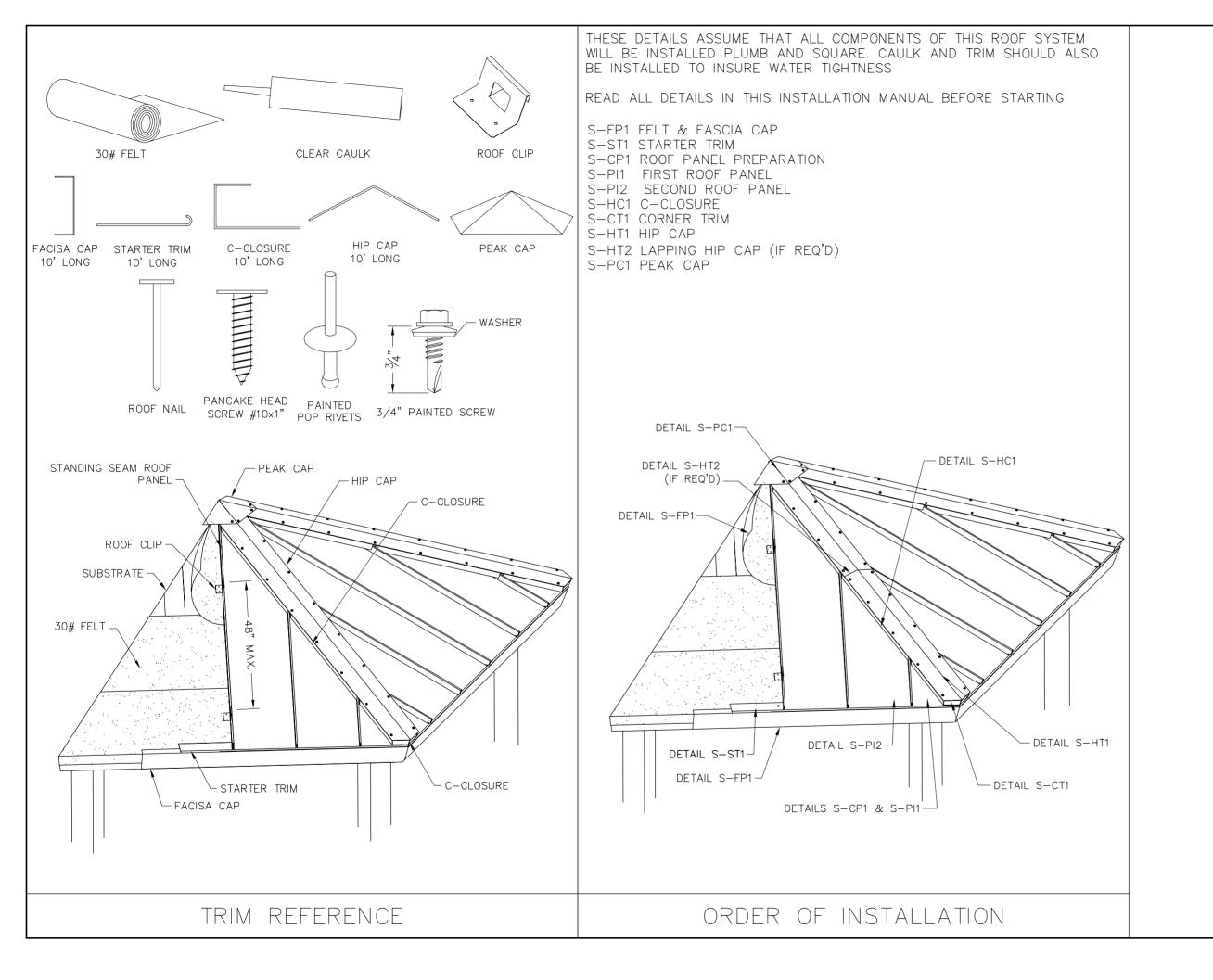


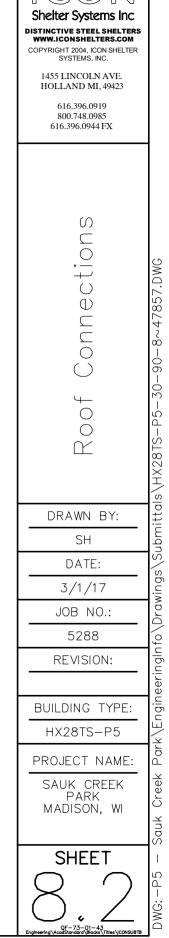


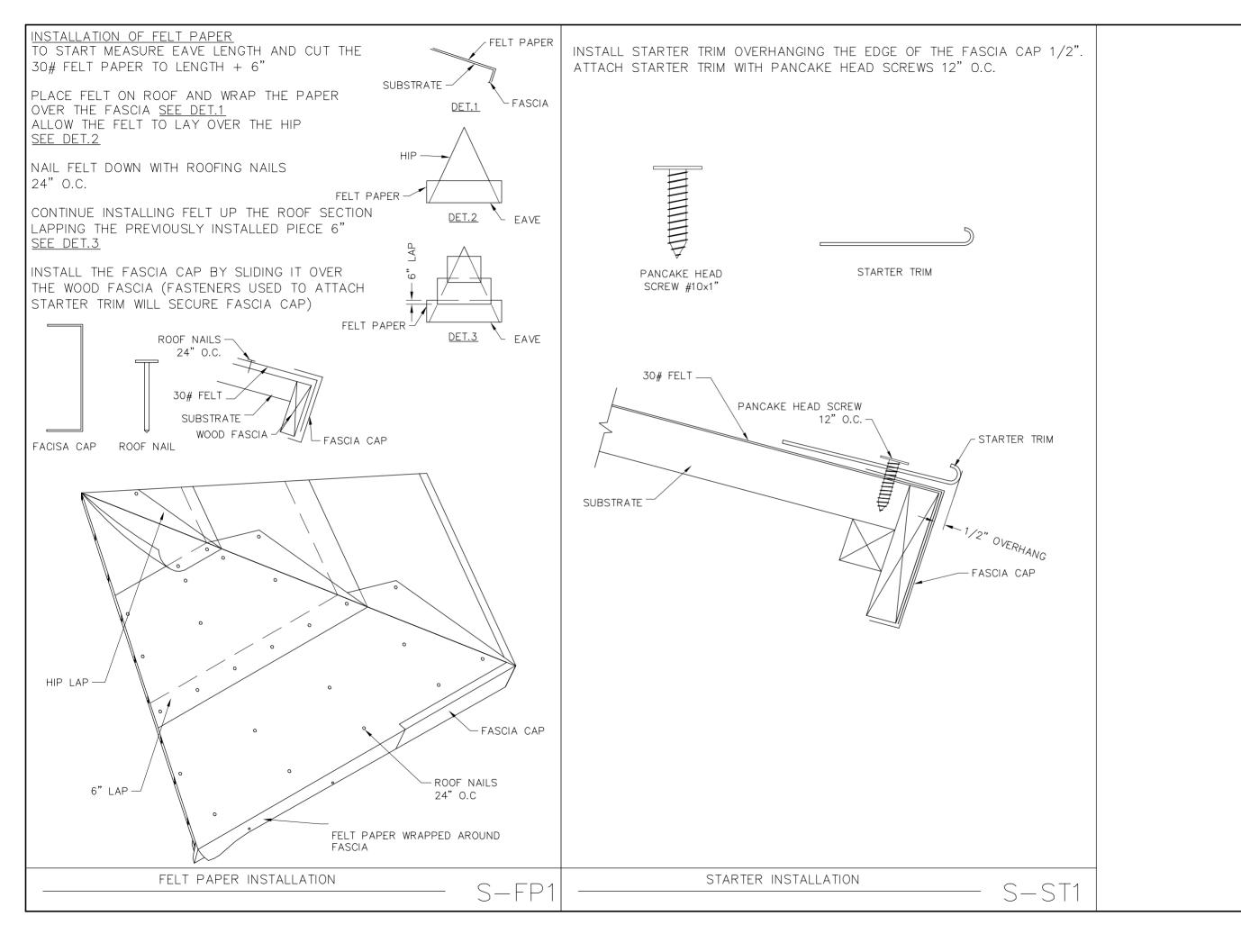


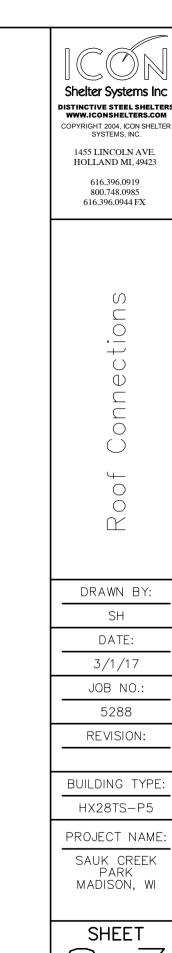


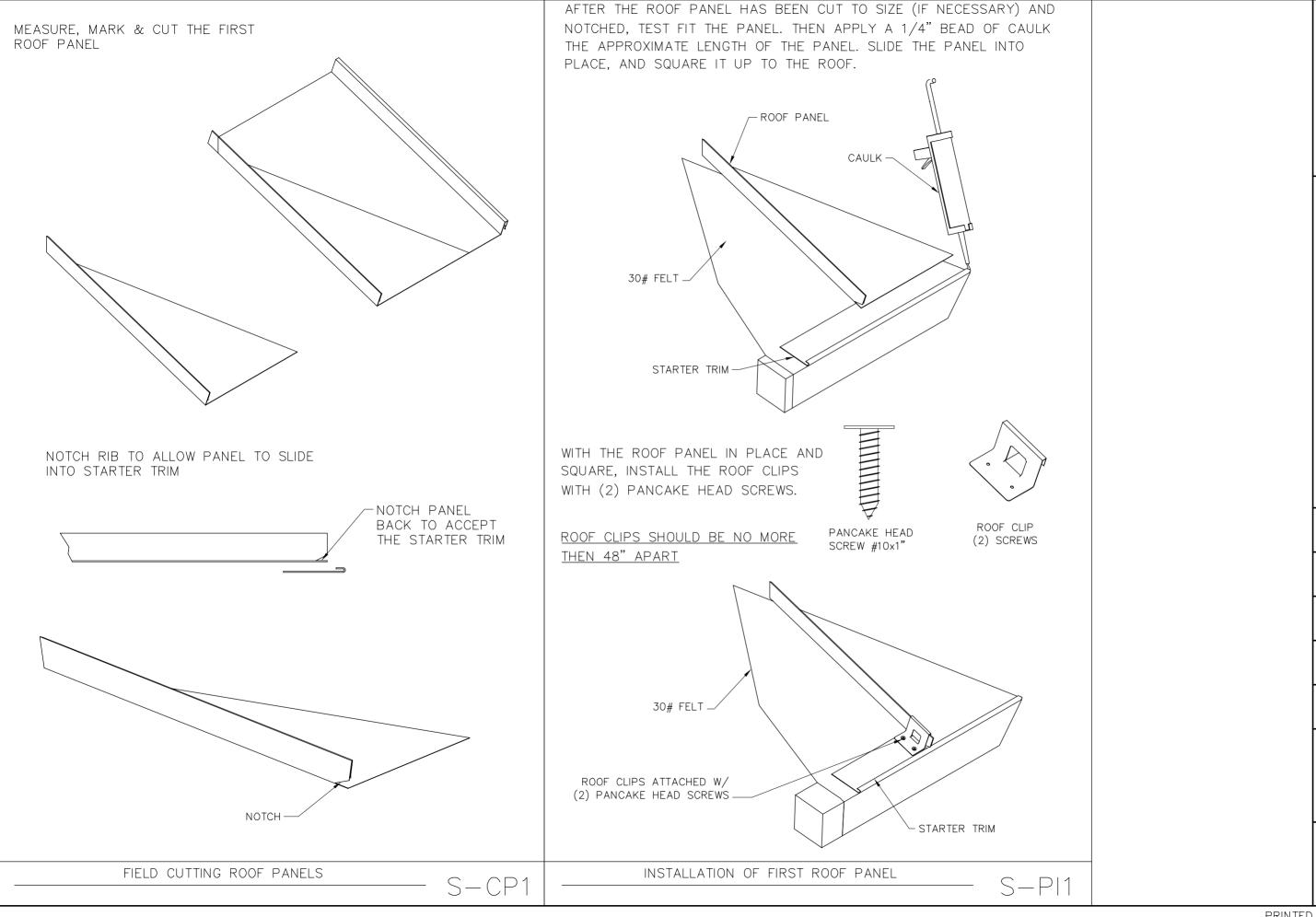












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Connection

DRAWN BY:

SH

DATE:

3/1/17

JOB NO.:

5288

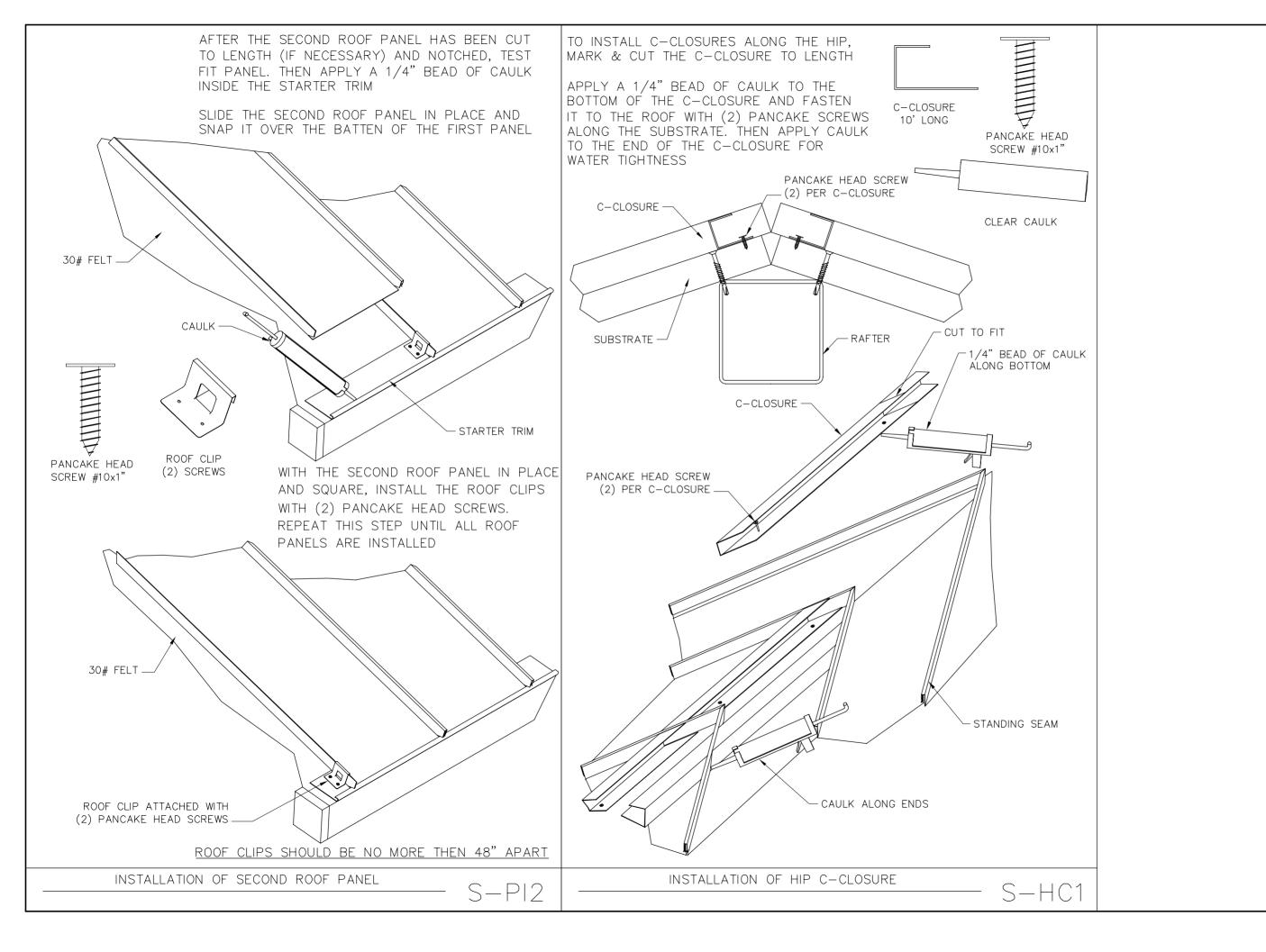
REVISION:

BUILDING TYPE:

HX28TS-P5

PROJECT NAME:

SAUK CREEK PARK MADISON, WI



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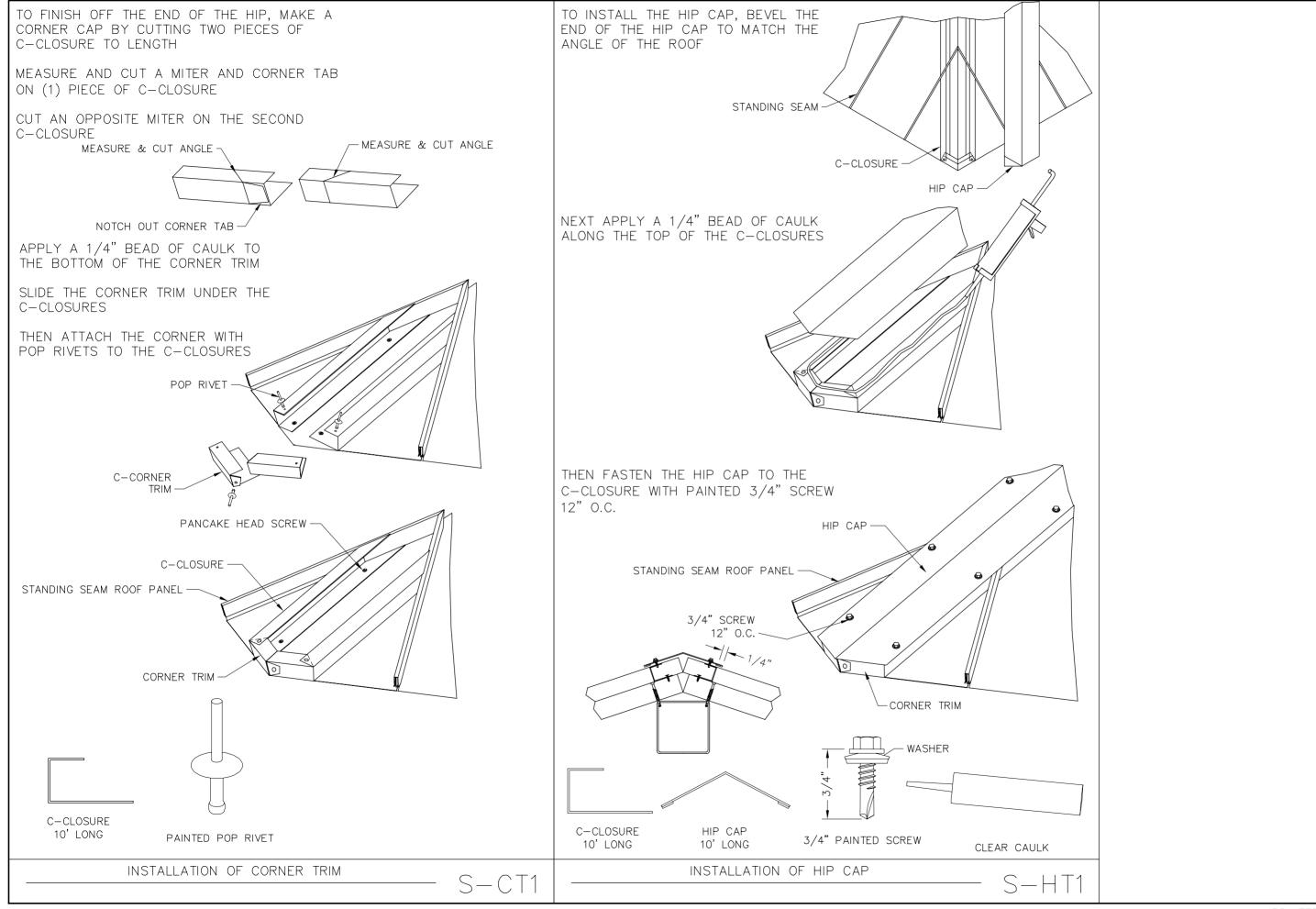
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3/1/17
JOB NO.:
5288
REVISION:

BUILDING TYPE:

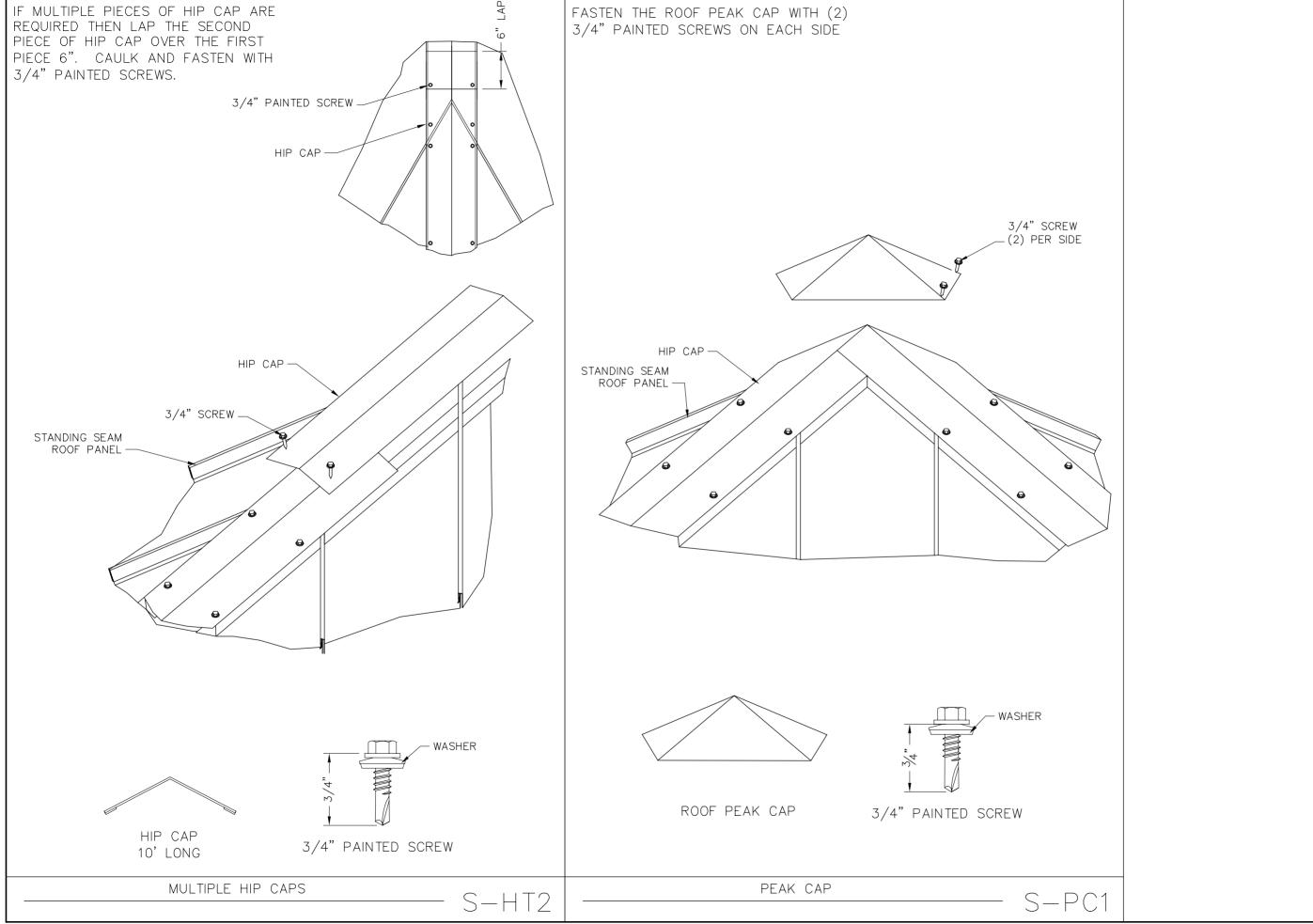
HX28TS-P5

PROJECT NAME:

SAUK CREEK PARK MADISON, WI



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SYSTEMS, INC. 1455 LINCOLN AVE. HOLLAND MI, 49423 616.396.0919 800.748.0985 616.396.0944 FX Connections Roof DRAWN BY: SH DATE: 3/1/17 JOB NO.: 5288 **REVISION:** BUILDING TYPE: HX28TS-P5 PROJECT NAME: SAUK CREEK PARK MADISON, WI SHEET