



APPENDIX A

SPACE NEEDS ANALYSIS



Five Bugles Design



Mitchell Associates Architects

Wendel's award winning public safety design team

SPACE NEEDS ANALYSIS

PROJECT: PALMYRA FIRE & RESCUE

LOCATION: PALMYRA, WI

DATE: 29-Jan-26

APPARATUS SUPPORT

Spaces	Existing	Length	x	Width	=	Ft ²	Quantity	Total Ft ²	Notes
Hose/Training Tower		22	x	12	=	264	1	264	
Mezzanine		40	x	20	=	800	0	0	
Large Training Props		10	x	10	=	100	1	100	Bailout, "touch a truck" event
Special Response Equipment Storage									
Haz. Mat		10	x	12	=	120	0	0	
Dive Team		10	x	12	=	120	0	0	
Emergency Response Team		10	x	12	=	120	0	0	
EMS									
Central Storage		18	x	12	=	216	0	0	
Station Storage		10	x	12	=	120	1	120	
Regulated Storage Room		6	x	6	=	36	0	0	
EMS Vending		6	x	6	=	36	0	0	
Bio Hazard Control		6	x	6	=	36	0	0	
Personal Protective Equipment Lockers		5	x	2.5	=	13	30	375	
Personal Protective Equipment Lockers		5	x	2	=	10	10	100	30 @ 30" and 10 @ 24"
Intern Lockers		5	x	2	=	10	0	0	
PPE Surplus		12	x	12	=	144	1	144	
In-Bay Gross Decon Area		8	x	4	=	32	1	32	
Transition Zone Vestible		6	x	8	=	48	0	0	
Bootwashing Station		4	x	4	=	16	1	16	Bootwash and hand sink.
Dirty Toilet		10	x	10	=	100	1	100	
Decon Suite									830
Gear Laundry		10	x	20	=	200	1	200	General space for : sink, inspection counters, soap,
PPE Drop Zone		4	x	4	=	16	1	16	
Extractor		7	x	7	=	49	1	49	
Gear Dryer		10	x	5	=	50	1	50	
SCBA Washer		4	x	8	=	32	0	0	
Washer/Dry for Truck Support		3	x	8	=	24	0	0	
Decon Toilet / Shower		9	x	15	=	135	3	405	Want them dual purpose
Residential Laundry Equip.		10	x	11	=	110	1	110	
Hydration Room		10	x	10	=	100	1	100	Ice machine, water, cooler storage, fridge, vending machine, racks
SCBA Clean and Fill									
SCBA Clean / Inspection		12	x	8	=	96	1	96	Sim to Lakeside Station 4
SCBA Washer		4	x	4	=	16	1	16	Space for future
SCBA Fill Station		4	x	8	=	32	1	32	
Compressor		8	x	8	=	64	1	64	Remote
Tank Storage		3	x	6	=	18	1	18	6-bottle cascade system
In-Bay Janitors Closet		8	x	4	=	32	1	32	Mop buckets, floor sink, truck rag storage, cleaning supplies
Floor Scrubber		4	x	4	=	16	0	0	
In-Bay Hose Storage		8	x	4	=	32	1	32	Rack, etc.
Workshop		10	x	12	=	120	1	120	Work bench, Cabinets, Shop Vac, Misc. Tools, Etc.
Flammables Material Cabinet		4	x	4	=	16	1	16	within workshop
Buildings / Grounds Maintenance Equip.		10	x	10	=	100	1	100	Snowblower, potential lawn mower. Village plows apron
Water Service		10	x	12	=	120	1	120	
TOTAL	0								
								2,827	Subtotal (Ft ²)
								565	Efficiency Ratio of 20%

3,392 Apparatus Support Total (Ft²)



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ADMINISTRATION / OFFICE SPACES

Spaces	Existing	Length	x	Width	=	Ft ²	Quantity	Total Ft ²	Notes
Watch Room		12	x	10	=	120	1	120	Printers, radio charging, maps, etc.
Work Stations							3	192	
Remote Training / Meeting		10	x	10	=	100	0	0	Small table
Fire Chief Office		16	x	12	=	192	1	192	No room for a table
Command Staff Offices									
Assistant Chief		15	x	12	=	180	2	360	
Deputy Chief		15	x	12	=	180	0	0	
Battalion Chief		15	x	12	=	180	0	0	
Captain		15	x	12	=	180	0	0	Change size for open office
Lieutenant		15	x	12	=	180	0	0	Change size for open office
Administrative Assist. Office		16	x	12	=	192	1	192	Off vestibule
Work/Copy/Supplies		8	x	10	=	80	1	80	Could be shared with PD
Record Storage		8	x	10	=	80	1	80	FD/EMS Only - not shared
EMS Office		15	x	12	=	180	0	0	
Report Writing							0	0	
Fire Marshal/Investigator Office		15	x	12	=	180	0	0	
Evidence Storage		6	x	8	=	48	0	0	
Plan/Equip Storage		8	x	8	=	64	0	0	
Pub Ed Office		14	x	12	=	168	0	0	
Pub Ed Storage		6	x	8	=	48	1	48	
Community Risk Reduction Office		14	x	12	=	168	0	0	
Storage		6	x	8	=	48	0	0	
Inspections Office		14	x	12	=	168	0	0	
Plan Review		18	x	12	=	216	0	0	
Record Storage		14	x	12	=	168	0	0	
Conference Room							12	300	Could be shared with PD. Locate off EOC
Future Office		16	x	10	=	160	1	160	
Admin. Support									
Break Room		12	x	10	=	120	0	0	
Admin. Staff Toilets		8	x	8	=	64	1	64	
Mothers' Room		8	x	8	=	64	1	64	th PD, or could even do one for each de
Janitors Closet		6	x	4	=	24	1	24	
Additional Admin. Storage									
New Uniform		8	x	16	=	128	0	0	
General		8	x	16	=	128	0	0	
Communications/ IT Closet		10	x	10	=	100	1	100	
Office		12	x	14	=	168	0	0	
Public									
Entrance Vestibule		10	x	10	=	100	1	100	
Lobby		12	x	20	=	240	1	240	
Walk-in Med Check/Ed Space		6	x	8	=	48	0	0	
Baby Safe Haven		6	x	8	=	48	1	48	
Public Toilets		12	x	14	=	168	0	0	
All-Gender Individual Toilet		8	x	8	=	64	0	0	
Mothers' Room		8	x	8	=	64	0	0	
Janitors Closet		6	x	4	=	24	0	0	
Historic Display Cases		2	x	8	=	16	0	0	
Historic Apparatus		18	x	10	=	180	0	0	
Support & Circulation									
Elevator (& Equipment)		10	x	20	=	200	0	0	
Stairs		24	x	10	=	240	0	0	
TOTAL	0							2,052	Subtotal (Ft²)
								513	Efficiency Ratio of 25%

2,565 Administration/Office Spaces Total (Ft²)



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DATE: 29-Jan-26

STAFF SUPPORT

Spaces	Existing	Length	x	Width	=	Ft ²	Quantity	Total Ft ²	Notes
Command Officer Dorm Room		12	x	14	=	168	1	168	3
By Other Dorms									
Alcove									
Toilet / Shower		9	x	12	=	108	0	0	
Dorm Room		11	x	12	=	132	6	792	3
Alcove									
Day Room							7	350	
							People		
Kitchen							7	350	cupboard-style pantry
							People		
Stand-Alone Pantry Room		8	x	8	=	64	0	0	
Dining							12	480	
							People		
Toilet / Shower		9	x	12	=	108	2	216	Want to share with decon
Linen Closet		6	x	8	=	48	0	0	ill store in their lockers - size appropriate
Residential Laundry		11	x	10	=	110	1	110	Want to share with decon
Study/Work Area		8	x	10	=	80	0	0	
Physical Fitness									
Exercise Room							6	1200	Could be shared with PD
							Large Equipment / People		
Wellness / Mental Health Room		8	x	10	=	80	0	0	
Lockers / Cubbies		5	x	5	=	25	0	0	
Toilet / Shower		8	x	10	=	80	0	0	
Off-Duty Intern Living Quarters									
Intern Dorm Room		11	x	12	=	132	0	0	3 or 4 Lockers?
laura - for type of lockers - passthrough, alcove, inroom									
Day Room							0	0	
							People		
Kitchen							0	0	
							People		
Dining							0	0	
							People		
Toilet / Shower		9	x	12	=	108	0	0	
TOTAL	0								

3,498	Subtotal (Ft ²)
875	Efficiency Ratio of 25%

4,373	Living Quarters Spaces Total (Ft ²)
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PROJECT: PALMYRA FIRE & RESCUE

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SITE

Spaces	Existing	Quantity	Notes
Parking			
Staff Parking		0	
Public Parking		0	
Total Parking		0	FBD determine
Outdoor Training		0	
Outdoor Patio		1	Combined
Enclosed Dumpster		1	
Heliport Pad		0	
Extrication pavement		1	
Detatched storage building		0	



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Totals		Existing Areas
APPARATUS BAYS	12,852	0
APPARATUS SUPPORT	3,392	0
CLASSROOM / TRAINING	2,029	0
ADMINISTRATION / OFFICE SPACES	2,565	0
STAFF SUPPORT	4,373	0
25,211	Station Footprint (Ft ²) Sub Total	0
3,782	Infrastructure (M & E) Space Factor 15%	
28,992	TOTAL PROGRAM SPACE REQUIREMENT	

SPACE NEEDS SUMMARY

Project: PALMYRA POLICE DEPARTMENT

Location: PALMYRA, WI

Date:

1/29/2026

ADMINISTRATION & STAFF SUPPORT

Services	Existing	Length	x	Width	=	Ft ²	Qty.	Total Ft ²	Notes	
ADMINISTRATION										
Administrative Supervisor		12	x	16	=	192	0	0		
Records Supervisor		12	x	14	=	168	0	0		
Administrative Assistant		12	x	10	=	120	0	0		
Work Room		15	x	10	=	150	0	0		
Record Storage		20	x	30	=	600	0	0		
IT Closet		10	x	10	=	100	1	100		
EOC - IT Closet		10	x	10	=	100	0	0		
STAFF SUPPORT										
Conference Room							PEOPLE	0	0	
Break Room							PEOPLE	4	100	
Mothers / Decompression Room		8	x	10	=	80	1	80		
LOCKER ROOM										
Lockers							QUANTITY	10	10	Shared with all genders
Toilet / Shower		10	x	12	=	120	2	240		
Changing Room		8	x	8	=	64	1	64		
FITNESS										
Quiet/Mental Health Space		8	x	10	=	80	1	80	If we can't get a mothers room, we will need a mental health space	
Exercise Room		30	x	40	=	1200	1	1200	Combined with FD	
Storage		8	x	10	=	80	0	0		
Janitorial Spaces										
		8	x	8	=	64	1	64		
Total	0								1,838	Subtotal (Ft ²)
								368	Efficiency Ratio of 20%	
								2,206	ADMINISTRATION & STAFF SUPPORT	

SPACE NEEDS SUMMARY

Project: PALMYRA POLICE DEPARTMENT

Location: PALMYRA, WI

Date:

1/29/2026

PATROL

Administration Operations	Existing	Length	x	Width	=	Ft ²	Qty.	Total Ft ²	Notes	
PATROL										
Patrol Captain		12	x	16	=	192	1	192		
Patrol Lieutenants		12	x	14	=	168	0	0		
Patrol Sergeants		8	x	8	=	64	1	64	With patrol officers	
Patrol Officers		6	x	8	=	48	3	144		
Shift Briefing		PEOPLE					0	0	0	
Report Writing Room		6	x	6	=	36	0	0		
Patrol Equipment Storage		8	x	10	=	80	1	80		
Duty Bag Storage		20	x	25	=	500	1	500	to consider their extra gear. They carry PPE to as	
DIVE TEAM										
Dive team cubicals		8	x	8	=	64	0	0		
Dive team storage		8	x	10	=	80	0	0		
K9 PATROL UNIT										
K9 Officer Cube		8	x	8	=	64	0	0		
Training Equip. Storage		8	x	10	=	80	0	0		
Kennels		4	x	10	=	40	0	0		
Exterior Run		10	x	30	=	300	0	0		
PATROL SUPPORT STAFF										
Park Patrol		8	x	8	=	64	0	0		
School Resource Officer		8	x	8	=	64	0	0		
Community Service Officer		8	x	8	=	64	0	0		
Crime Prevention Officer		8	x	8	=	64	0	0		
Civilian Service Employee		8	x	8	=	64	0	0		
Animal Control Officer		8	x	8	=	64	0	0		
Patrol Support Storage		12	x	16	=	192	0	0		
Total	0							980	Subtotal (Ft ²)	
								196	Efficiency Ratio of 20%	
								1,176	PATROL	

NOTES:

SPACE NEEDS SUMMARY

Project: PALMYRA POLICE DEPARTMENT

Location: PALMYRA, WI

Date:

1/29/2026

INVESTIGATIONS / DETECTIVE DIVISION

Services	Existing	Length	x	Width	=	Ft ²	Qty.	Total Ft ²	Notes	
INVESTIGATION										
Investigation Capt.		12	x	16	=	192	0	0		
Investigation Lieutenant		12	x	14	=	168	0	0		
Investigation Serg.		10	x	12	=	120	0	0		
Investigators		8	x	8	=	64	0	0		
Investigation Admin.		10	x	12	=	120	0	0		
Computer Forensics		12	x	16	=	192	0	0		
Computer Evidence		4	x	8	=	32	0	0		
Drug Task Force		12	x	15	=	180	0	0		
INVESTIGATION SUPPORT										
Conference Room		PEOPLE					0	0	0	
Major Case Room		14	x	18	=	252	0	0	Could be shared with interview	
Soft Interview		8	x	10	=	80	0	0		
Records Storage		12	x	8	=	96	1	96		
Equipment Storage		8	x	10	=	80	0	0		
Polygraph Examination Room		8	x	8	=	64	0	0		
Work		6	x	4	=	24	0	0		
Total	0								96	Subtotal (Ft²)
								19	Efficiency Ratio of 20%	
								115	INVESTIGATIONS / DETECTIVE DIVISION	

NOTES:

SPACE NEEDS SUMMARY

Project: PALMYRA POLICE DEPARTMENT

Location: PALMYRA, WI

Date:

1/29/2026

OPERATIONAL SUPPORT

Services	Existing	Length	x	Width	=	Ft ²	Qty.	Total Ft ²	Notes
TRAINING									
Community/Training room		PEOPLE					50	750	
Table & Chair Storage		10	x	12	=	120	1	120	
Mats Storage		40	x	8	=	320	1	320	
Training Equipment Storage		10	x	12	=	120	1	120	
Tactical Training Room (mat room)		PEOPLE					0	0	
Tactical training storage		10	x	12	=	120	0	0	
Simulation Training		PEOPLE					0	0	
VR Training Storage		10	x	12	=	120	0	0	
EOC		PEOPLE					0	0	Shared with the Training room. This space is a NEED
EOC Storage		12	x	14	=	168	0	0	
ARMORY									
Firing Range		75	x	30	=	2250	0	0	
Gun Cleaning Room		8	x	12	=	96	1	96	
Ammunition/Target Storage		2	x	8	=	16	1	16	
SRT/SWAT/ERU		10	x	20	=	200	0	0	
Quartermaster Storage		10	x	12	=	120	0	0	
PERSONAL DECON									
Gear Laundry		16	x	14	=	224	1	224	Try to share with fire
Washer									
Dryer									
Gear Inspection									
Decon Toilet / Shower		9	x	15	=	135	1	135	
Residential Laundry		2	x	8	=	16	1	16	Want to share with FD - might need to add space in the fire program for it
Total		0							
								1,797	Subtotal (Ft ²)
								359	Efficiency Ratio of 20%
								2,156	OPERATIONAL SUPPORT

SPACE NEEDS SUMMARY

Project: PALMYRA POLICE DEPARTMENT

Location: PALMYRA, WI

Date:

1/29/2026

FLEET SUPPORT

Garage Facility	Existing	Quantity	Area	Notes
POLICE GARAGE				
Squad Car Parking		4		8696, 8695
Speed Trailers				
SRT Transport				
Armored Vehicle				
Mobile Dispatch / Command Center				
ATV/Snowmobiles/Boats				
Motorcycle Unit				
Bicycle Unit		2		Need parts and maintenance area
Animal Control		1		Space for short-term holding. Could be longer-term. Will
LARGE EVIDENCE				
Vehicle Evidence Storage (Indoor)				
Vehicle Evidence Processing				
Bicycle Storage		1		5 bikes at a time
BUILDINGS & GROUNDS STORAGE				
Equipment Storage				
Yard maintenance equip				
Totals	0		0	Subtotal (Ft²)
			0	Efficiency Ratio of 10%
			0	FLEET SUPPORT

NOTES:



SPACE NEEDS SUMMARY

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Date:

1/29/2026

BOOKING

Administration Operations	Existing	Length	x	Width	=	Ft ²	Qty.	Total Ft ²	Notes
SALLYPORT		30	x	20	=	600	0	0	Could use the patrol garage, if needed
BOOKING / HOLDING									
Booking Intake		16	x	18	=	288	0	0	
Finger Printing									
Booking Photo									
Personal Property Lockers									
Intoxilyzer									
HOLDING CELLS		10	x	7	=	70	0	0	- LOOK AT DOC REQUIREMENTS FOR THE S
BOOKING SUPPORT									
Toilet/Shower		10	x	8	=	80	1	80	
Hard Interview		8	x	10	=	80	1	80	
Soft Interview		10	x	12	=	120	0	0	
Video Recording Equipment		8	x	10	=	80	1	80	
Public Release/vestibule		10	x	8	=	80	1	80	
Total	0							320	Subtotal (Ft ²)
								64	Efficiency Ratio of 20%
								384	BOOKING

NOTES:

SPACE NEEDS SUMMARY

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Date:

1/29/2026

COURTS

Services	Existing	Length	x	Width	=	Ft ²	Qty.	Total Ft ²	Notes
MUNICIPAL COURT									
Court Room		20	x	30	=	600	0	0	
Judges Chambers		12	x	15	=	180	0	0	
Clerk		8	x	8	=	64	0	0	
Pay Stations		8	x	8	=	64	0	0	
Booking Station		10	x	12	=	120	0	0	
Finger Print		10	x	8	=	80	0	0	
Photos		8	x	8	=	64	0	0	
OUTSIDE AGENCIES		12	x	15	=	180	0	0	
Other									
			x		=	0	0	0	
			x		=	0	0	0	
			x		=	0	0	0	
			x		=	0	0	0	
			x		=	0	0	0	
			x		=	0	0	0	
			x		=	0	0	0	
			x		=	0	0	0	
Total	0							0	Subtotal (Ft²)
								0	Efficiency Ratio of 20%
								0	COURTS



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1/29/2026

TOTALS

Space	Existing	Proposed	Notes
COMMAND STAFF	0	878	
ADMINISTRATION & SUPPORT STAFF	0	2,206	
PUBLIC	0	762	
PATROL	0	1,176	
INVESTIGATIONS	0	115	
OPERATIONAL	0	2,156	
EVIDENCE - PROPERTY	0	1,216	
FLEET SUPPORT	0	0	
BOOKING	0	384	
COURT	0	0	

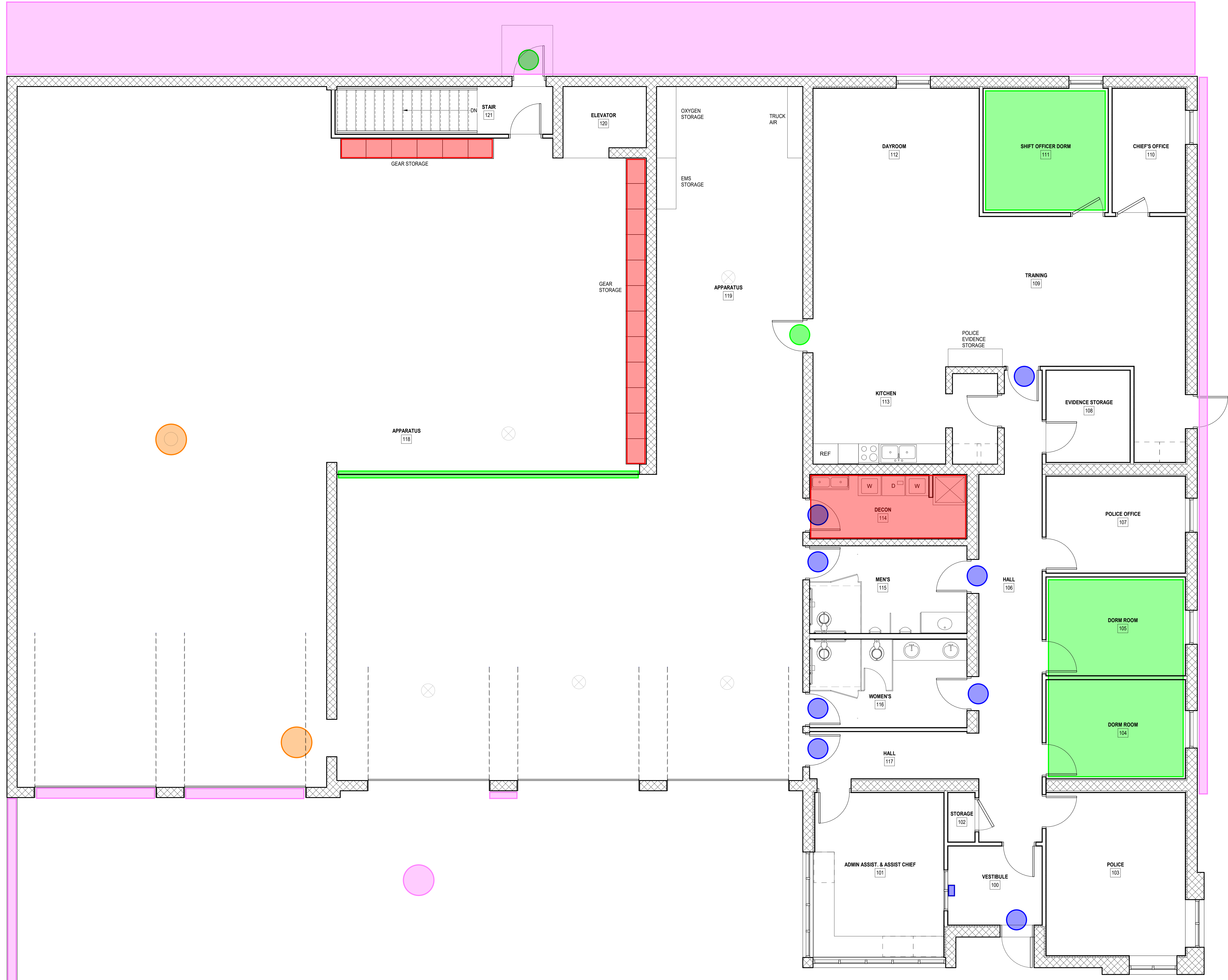
0	8,893	Subtotal (Ft ²)
0	1,779	Efficiency Ratio of 20% (Mech./Elect./Plumbing/Circulation)

	10,672	Law Enforcement Total (Ft ²)
	10,672	Without Garage (No Fleet Support)



APPENDIX B

EXISTING BUILDING PLANS



LEGEND

- NOT ADA COMPLIANT
- NOT BUILDING CODE COMPLIANT
- EXTERIOR REPAIRS NEEDED
- SIGNS OF WATER INFILTRATION / DAMAGE
- NOT NFPA COMPLIANT
- PREVIOUSLY REPAIRED FOUNDATION WALLS

NOTES

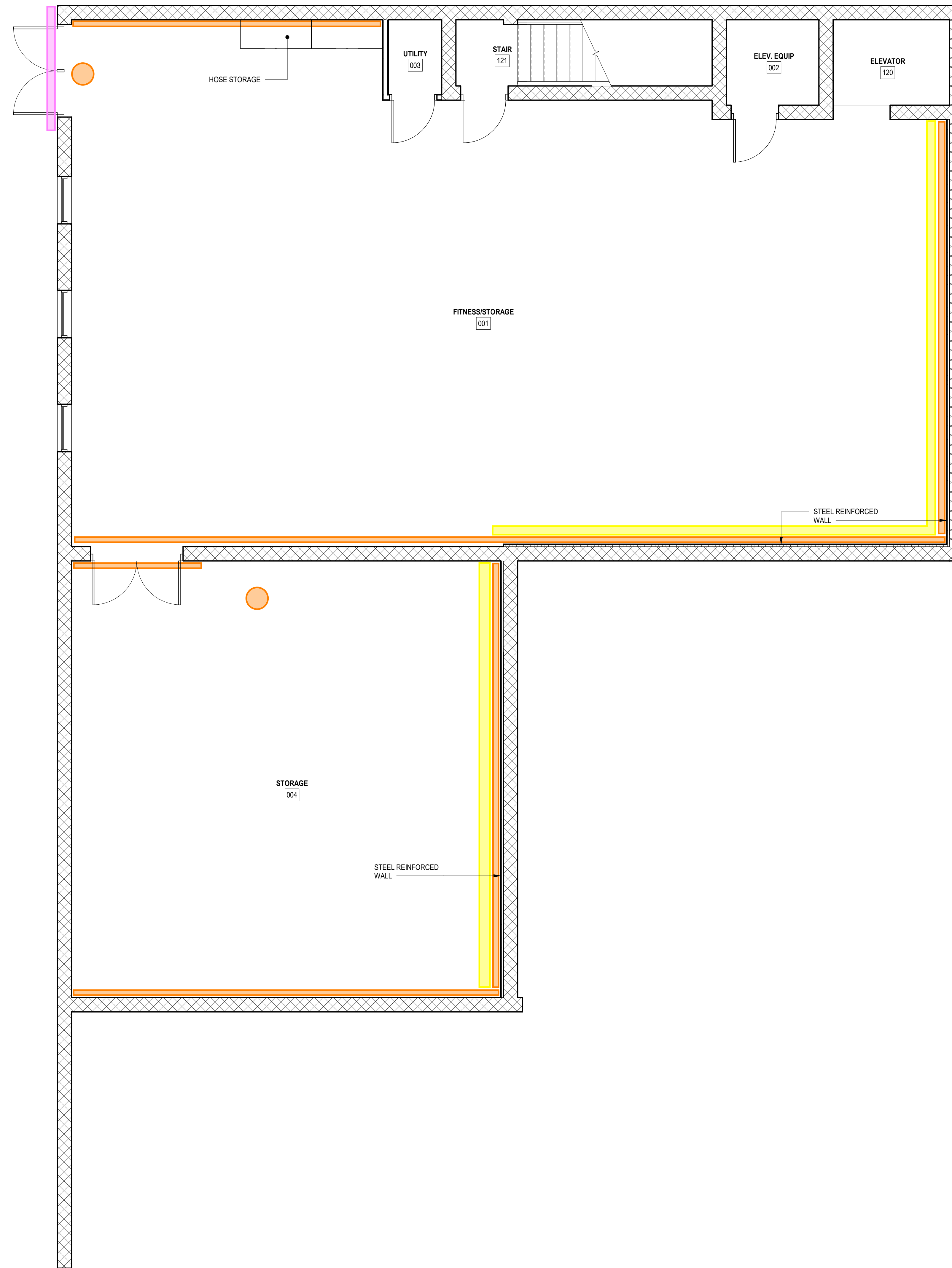
THE FOLLOWING ARE BUILDING WIDE MAINTENANCE / REPAIR ISSUES THAT SHOULD BE ADDRESSED:
 *WINDOW CAULKING
 *MASONRY JOINT CAULKING
 *FOUNDATION WATER INFILTRATION
 *MASONRY EXTERIOR/PAINT FINISH

1 EXISTING FIRST FLOOR PLAN
 SCALE: 1/4" = 1'-0"

CODE, ADA, EXISTING CONDITIONS REVIEW

Palmyra Fire & Rescue

Existing Conditions
 126 N. 1st Street
 Palmyra, WI, 53156



LEGEND

- NOT ADA COMPLIANT
- NOT BUILDING CODE COMPLIANT
- EXTERIOR REPAIRS NEEDED
- SIGNS OF WATER INFILTRATION / DAMAGE
- NOT NFPA COMPLIANT
- PREVIOUSLY REPAIRED FOUNDATION WALLS

NOTES

THE FOLLOWING ARE BUILDING WIDE MAINTENANCE / REPAIR ISSUES THAT SHOULD BE ADDRESSED:
 *WINDOW CAULKING
 *MASONRY JOINT CAULKING
 *FOUNDATION WATER INFILTRATION
 *MASONRY EXTERIOR/PAINT FINISH

1 EXISTING BASEMENT FLOOR PLAN
 SCALE: 1/4" = 1'-0"

CODE, ADA, EXISTING CONDITIONS REVIEW

Palmyra Fire & Rescue

Existing Conditions

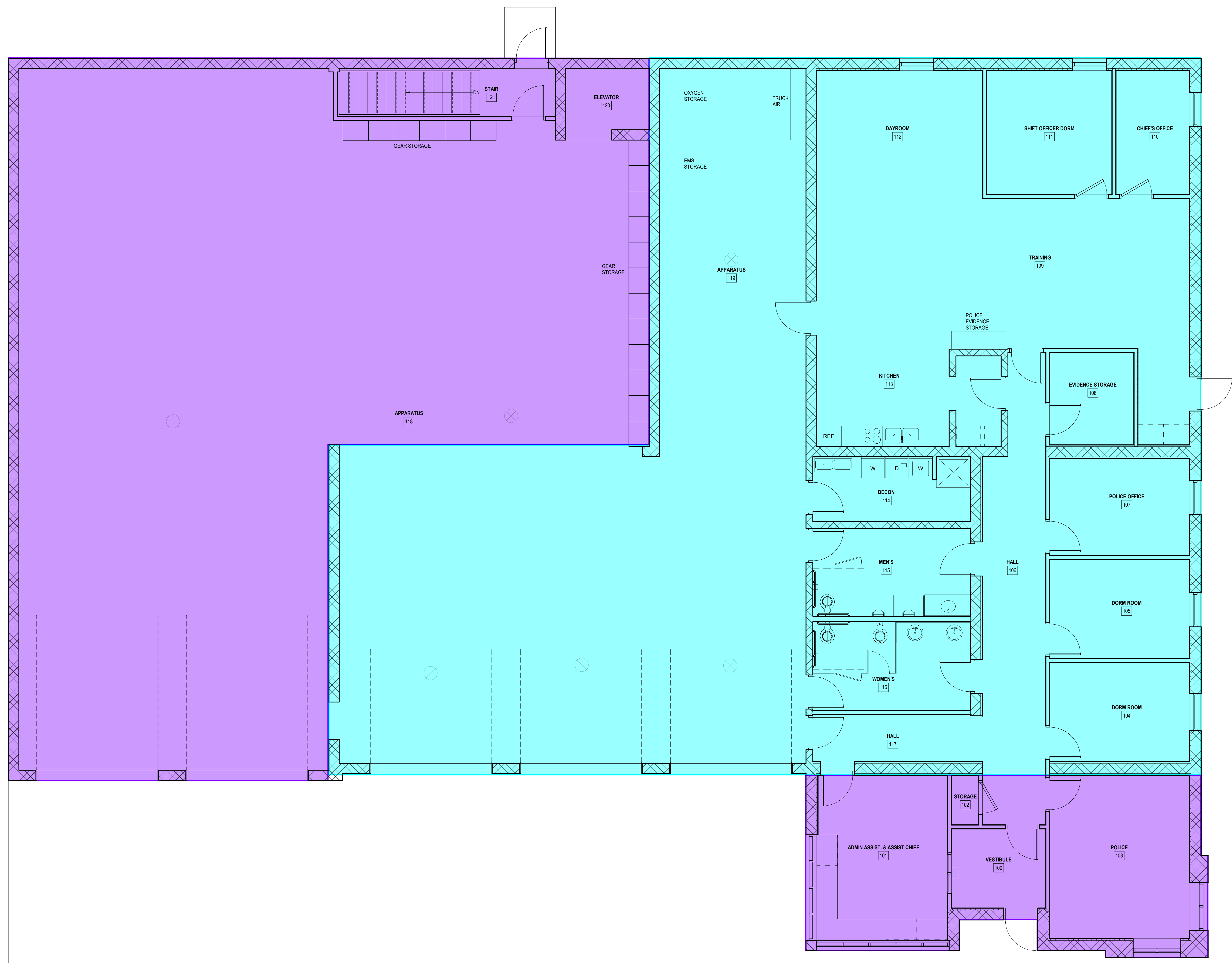
126 N. 1st Street
 Palmyra, WI, 53156

PROJECT NUMBER:



LEGEND

- ORIGINAL BUILDING
- 1997 ADDITIONS



1 EXISTING FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

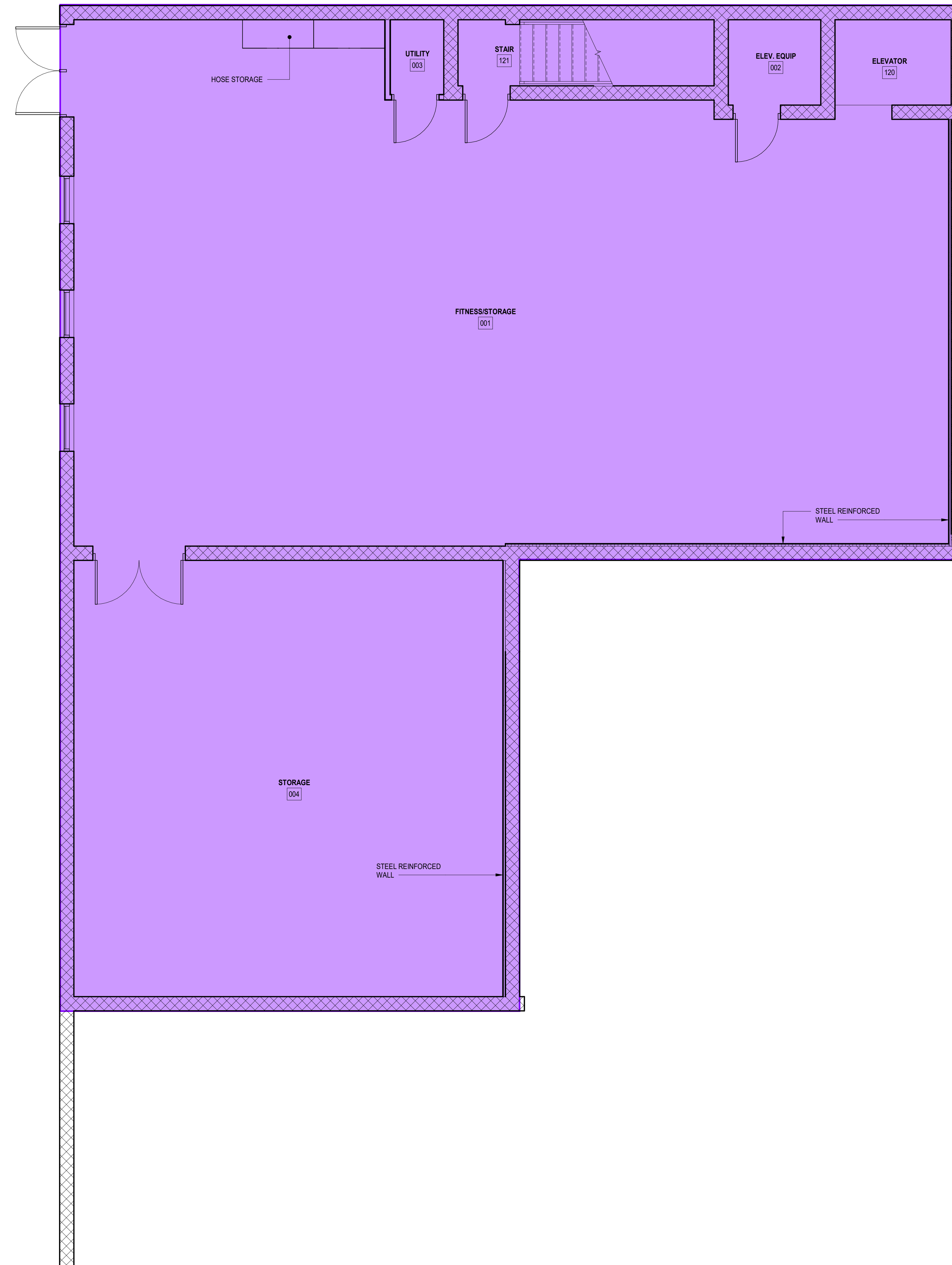
BUILDING ADDITIONS

Palmyra Fire & Rescue

Existing Conditions
126 N. 1st Street
Palmyra, WI, 53156

LEGEND

- ORIGINAL BUILDING
- 1997 ADDITIONS



1 EXISTING BASEMENT FLOOR PLAN
SCALE: 1/4" = 1'-0"

BUILDING ADDITIONS

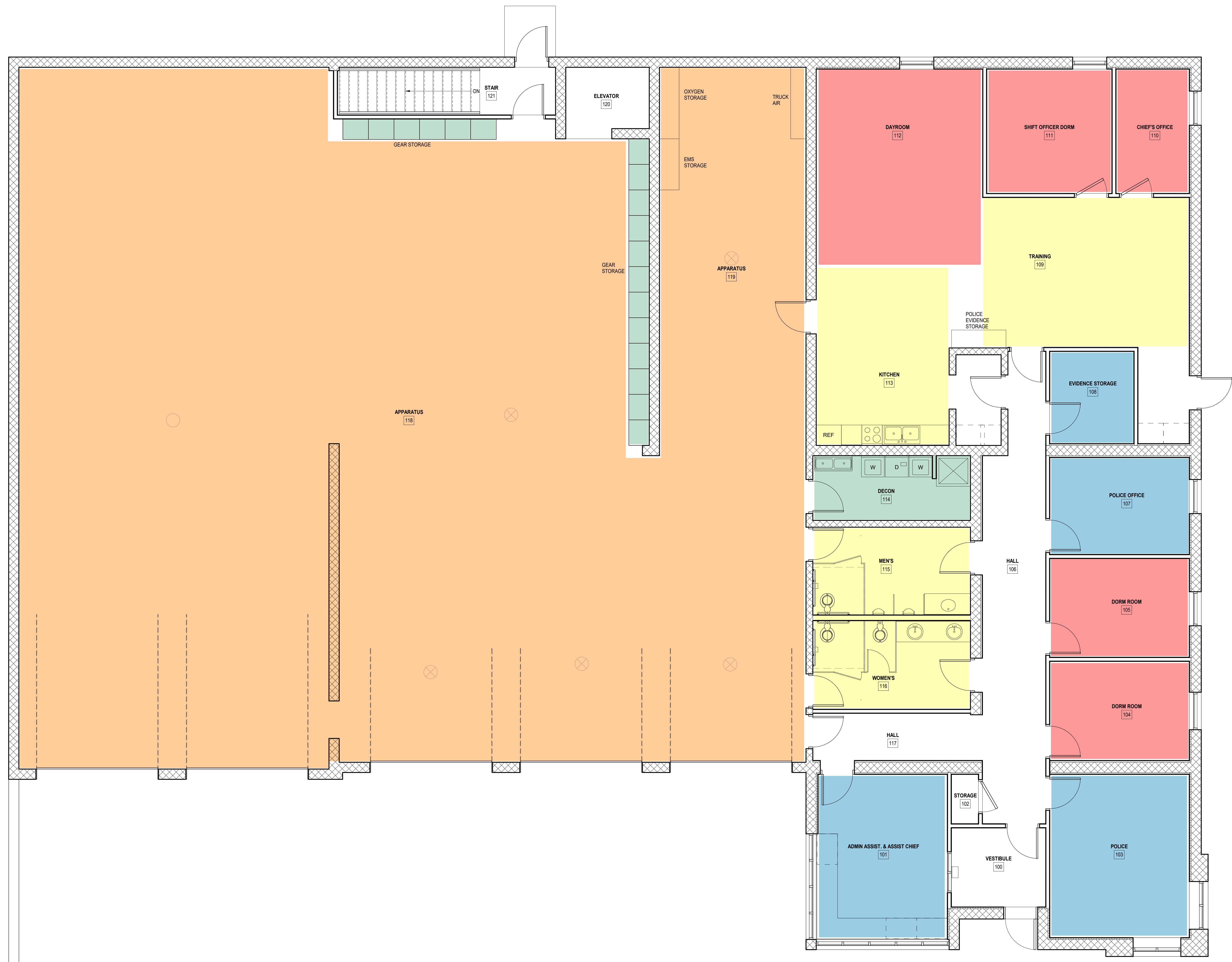
Palmyra Fire & Rescue

Existing Conditions

126 N. 1st Street
Palmyra, WI, 53156

PROJECT NUMBER:





- LEGEND**
- APPARATUS BAYS
 - APPARATUS SUPPORT
 - FIRE DEPARTMENT SPACE
 - POLICE DEPARTMENT SPACE
 - SHARED SPACE

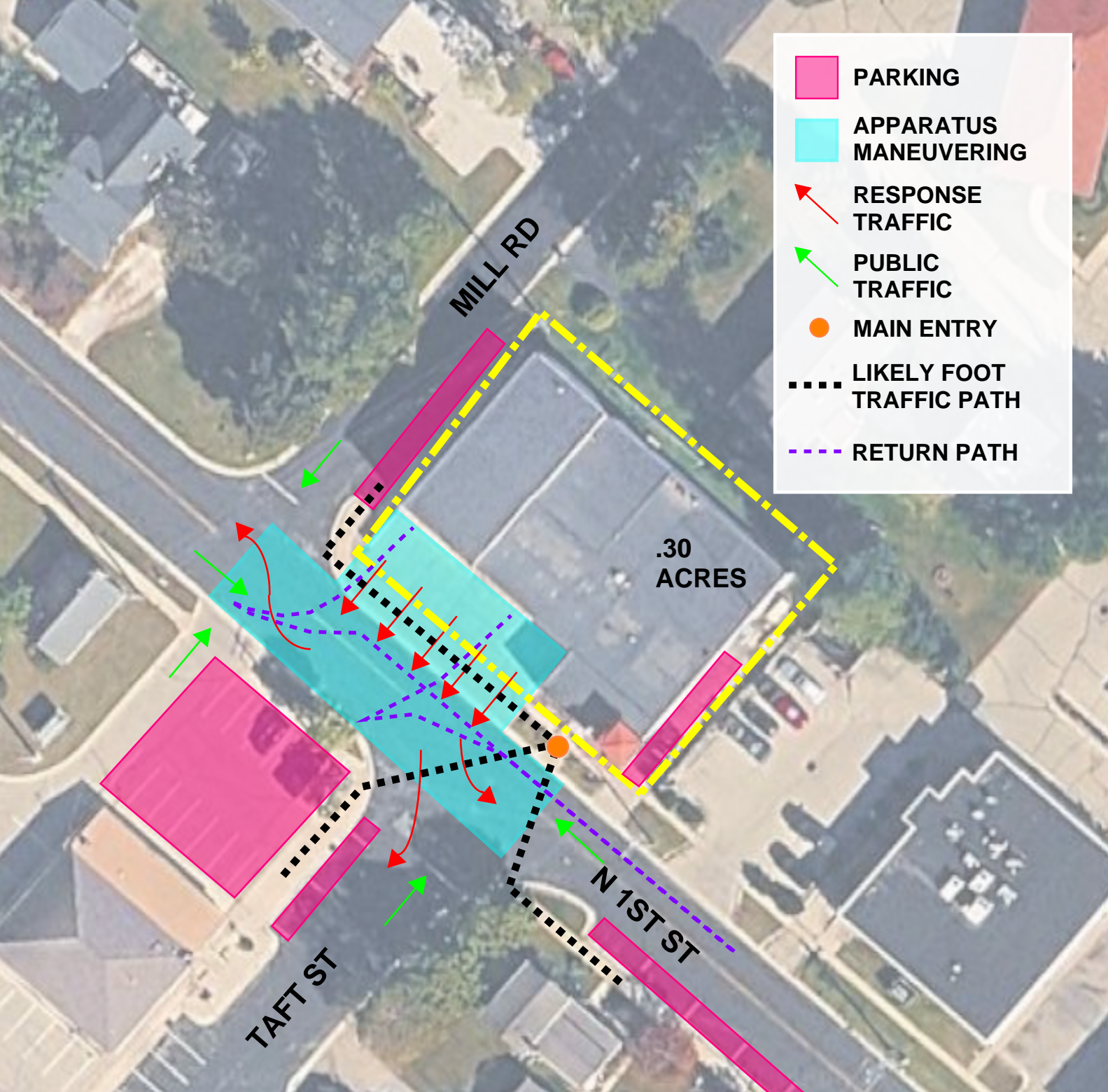
1 EXISTING FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"




SPACE TYPE DESIGNATIONS

Palmyra Fire & Rescue

Existing Conditions
126 N. 1st Street
Palmyra, WI, 53156





-  **PARKING**
-  **APPARATUS MANEUVERING**
-  **RESPONSE TRAFFIC**
-  **PUBLIC TRAFFIC**
-  **MAIN ENTRY**
-  **LIKELY FOOT TRAFFIC PATH**
-  **RETURN PATH**

MILL RD

.30
ACRES

TAFT ST

N 1ST ST



APPENDIX C

NOTED EXISTING BUILDING PHOTOS































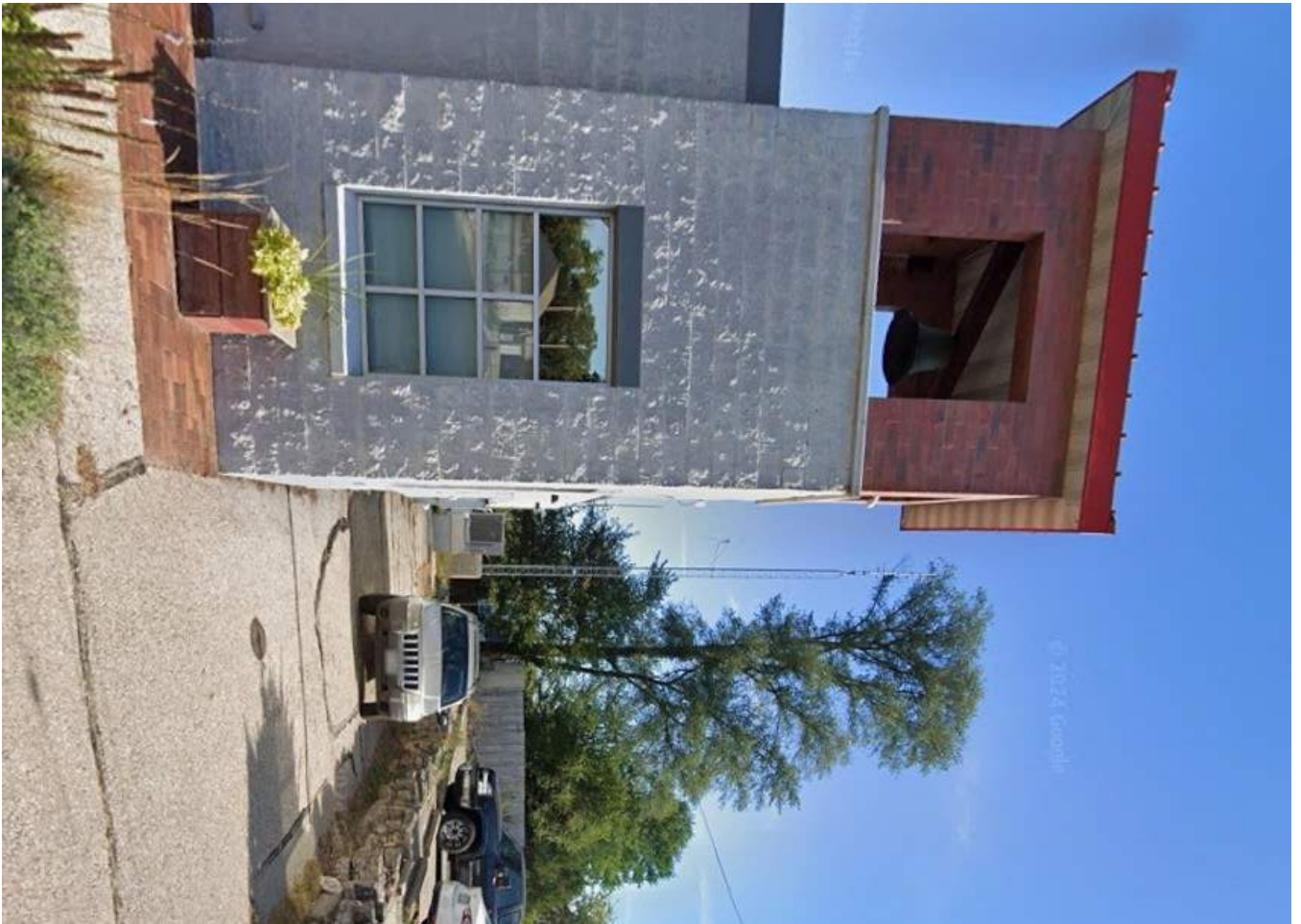








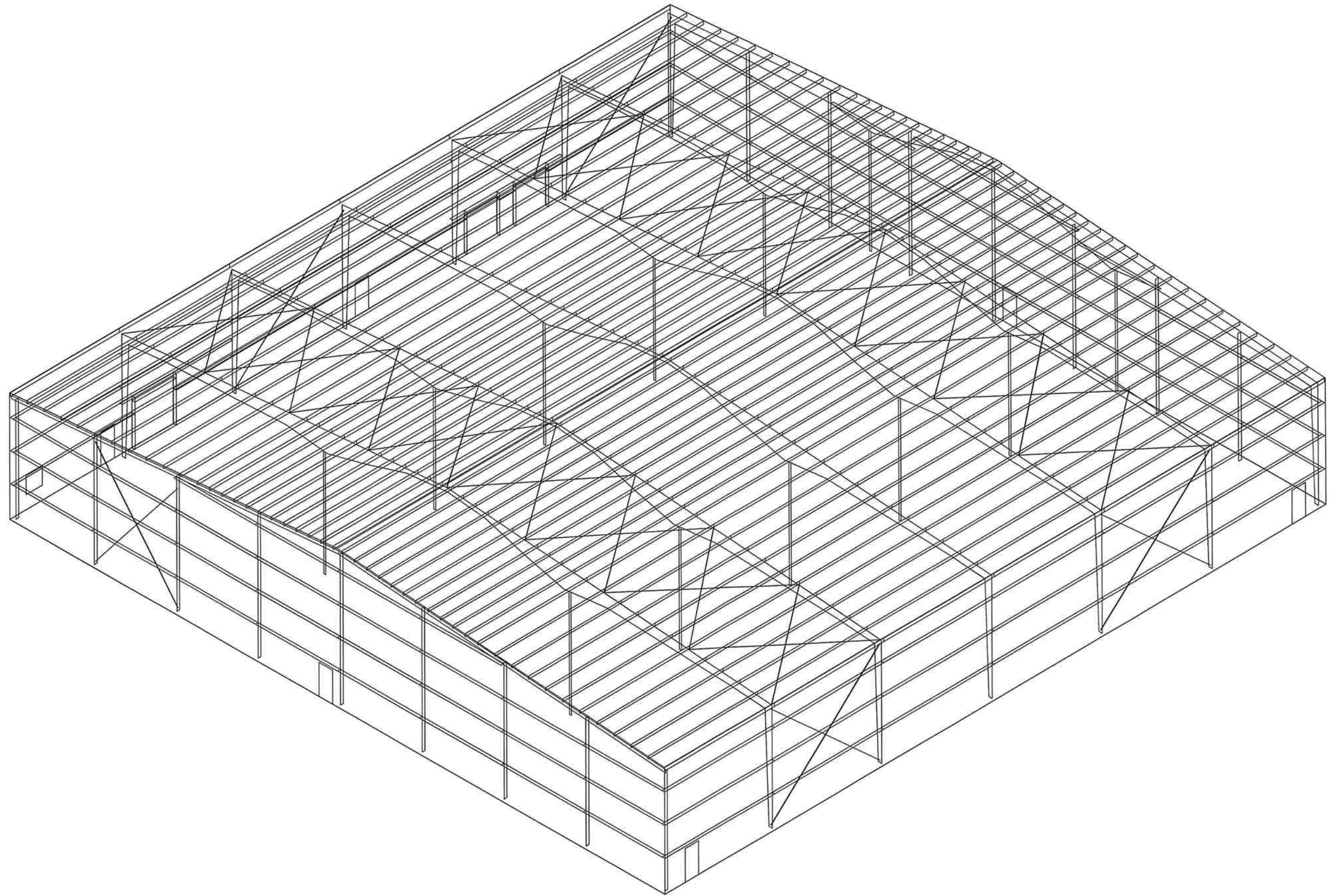


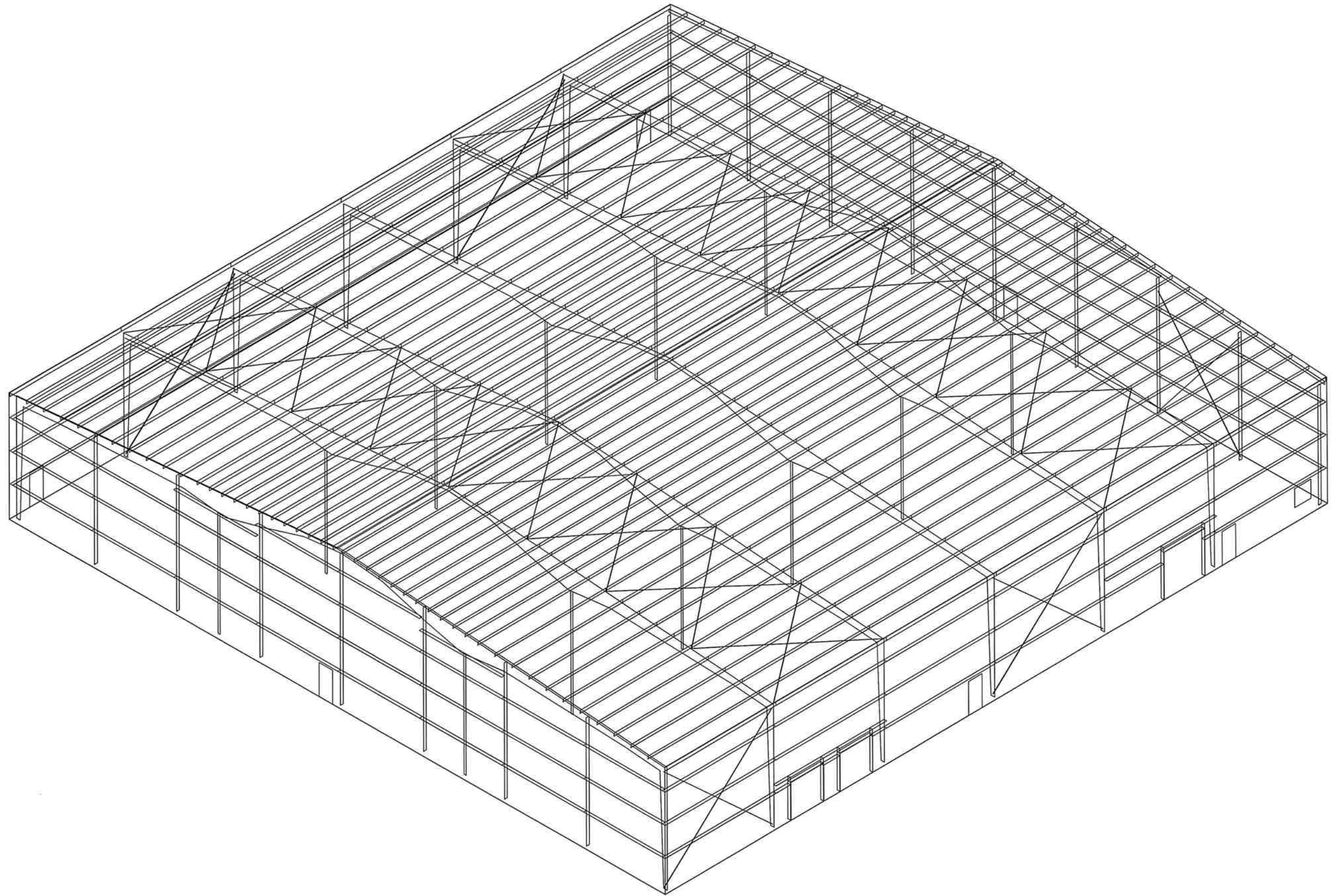




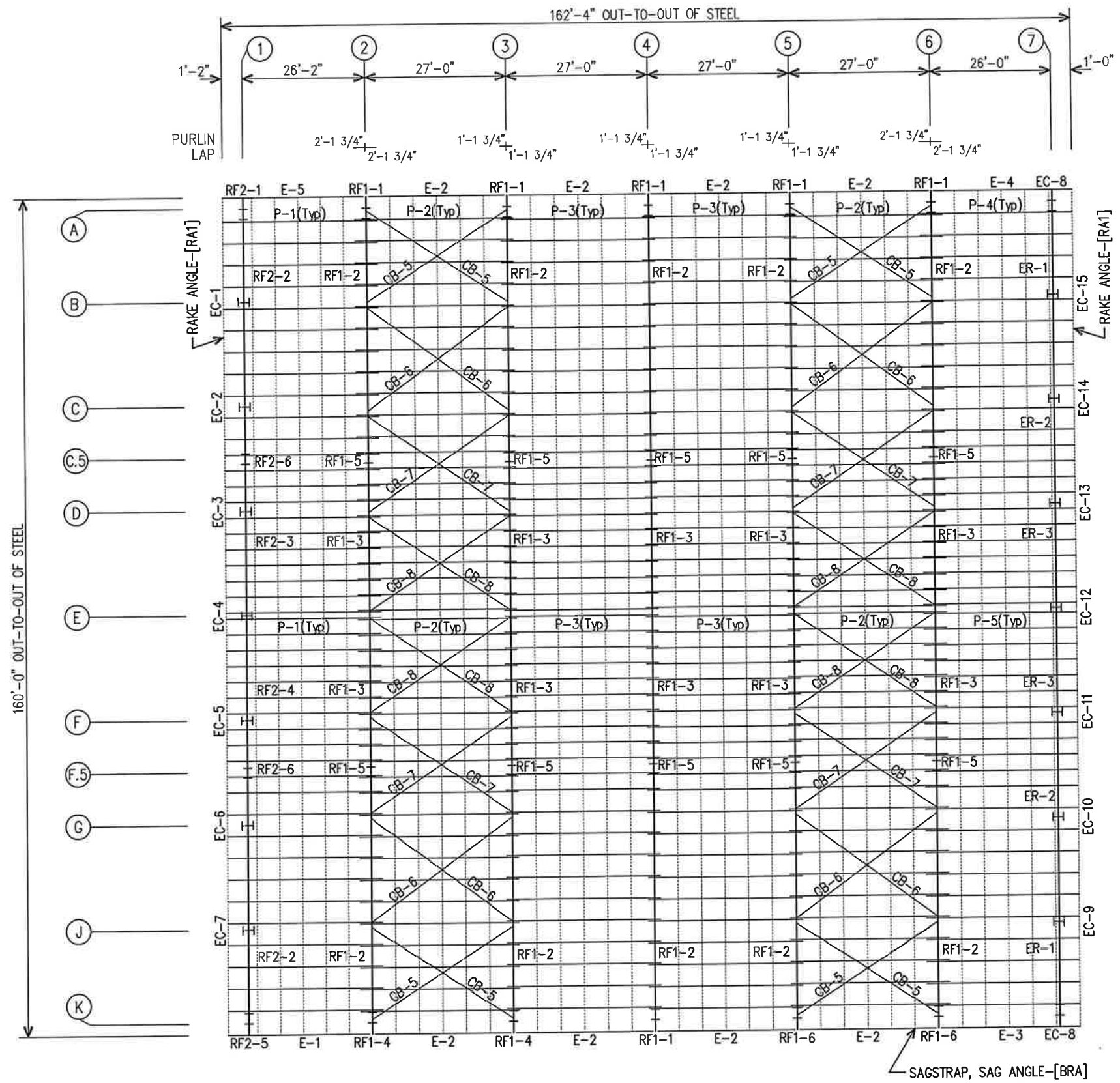
APPENDIX D

PRE-ENGINEERED METAL BUILDING STUDY





MEMBER TABLE	
ROOF PLAN	
MARK	PART
P-1	10X25Z12
P-2	10X25Z12
P-3	10X25Z12
P-4	10X25Z12
P-5	10X25Z12
E-1	10ES514
E-2	10ES514
E-3	10ES514
E-4	10ES514
E-5	10ES514
CB-5	CB0313
CB-6	CB0313
CB-7	CB0250
CB-8	CB0250



ROOF FRAMING PLAN

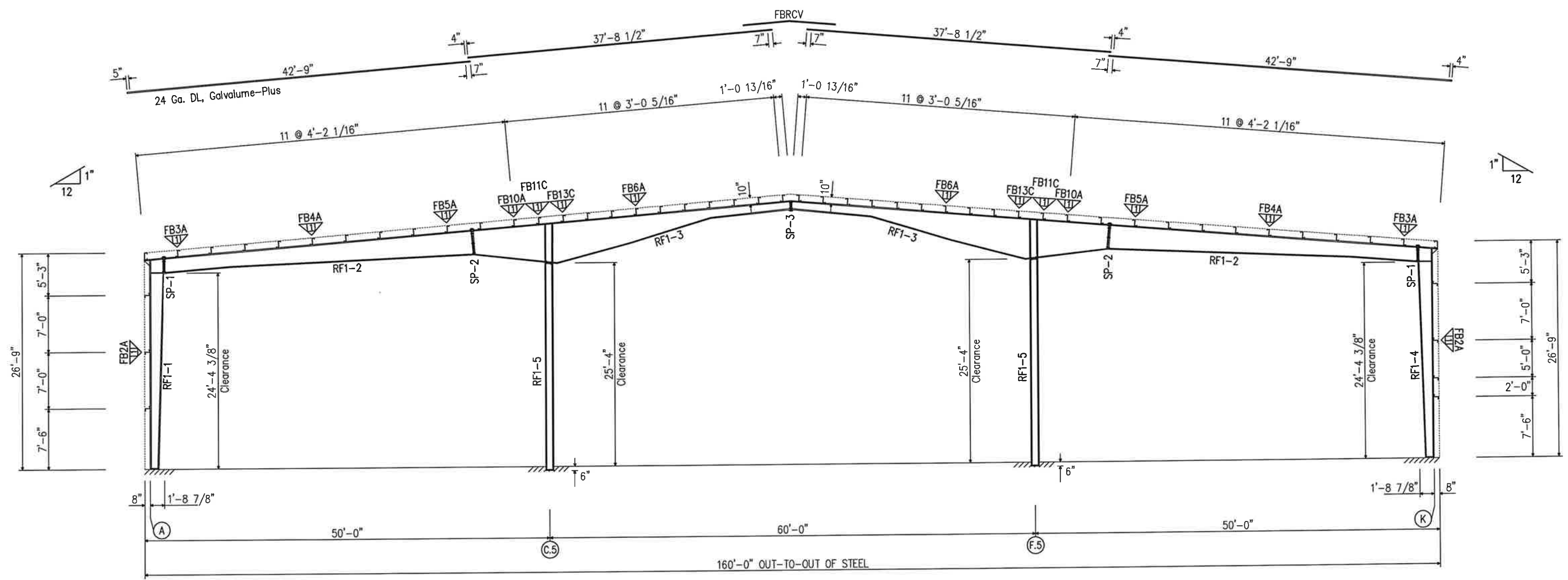
W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	ROOF FRAMING PLAN	
ID	2404	DESIGN: JK	DRAFT: JW
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 6 OF 10
		DO NOT SCALE DRAWING	ISSUE: 1

SPLICE BOLT TABLE						CAP PLATE BOLTS					
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	6	2	0	A325	3/4"	2 1/4"	RF1-5	4	A325	3/4"	2 1/4"
SP-2	6	2	2	A325	3/4"	2 1/4"					
SP-3	2	4	0	A325	3/4"	2 1/4"					

▽ FLANGE BRACES: Both Sides (U.N.O.)
 FBxxA(1)
 A - L1.5x1/8
 C - L2x2x1/8

Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start/End	Thick	Length	Thick	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF1-1	10.0/14.1	0.179	120.5	0.179	6 x 1/4" x 120.5	6 x 1/2" x 120.6	6 x 5/8" x 171.5	
	14.1/18.3	0.179	120.5	0.179	6 x 5/16" x 190.1	6 x 5/8" x 171.5		
	18.3/19.9	0.179	47.3	0.179	6 x 1/2" x 28.3			
	19.9/20.0	0.224	24.0	0.179				
RF1-2	20.0/20.0	0.179	100.1	0.179	6 x 1/2" x 98.4	6 x 1/2" x 100.1		
	20.0/24.7	0.160	120.5	0.160	6 x 3/8" x 120.5	6 x 5/16" x 120.6		
	24.7/29.4	0.160	120.5	0.160	6 x 1/4" x 120.5	6 x 1/4" x 120.6		
	29.4/34.0	0.179	119.0	0.179	6 x 1/2" x 119.0	6 x 1/2" x 119.1		
RF1-3	34.1/58.0	0.224	120.0	0.224	6 x 3/8" x 120.0	6 x 5/8" x 122.2		
	58.0/38.0	0.224	113.4	0.224	6 x 5/16" x 113.4	6 x 5/8" x 115.2		
	38.0/12.0	0.179	120.0	0.179	6 x 1/4" x 120.0	6 x 3/8" x 122.7		
	12.0/10.0	0.160	120.0	0.160	6 x 3/8" x 120.0	6 x 1/4" x 119.1		
RF1-4	20.0/19.9	0.224	24.0	0.224	6 x 1/2" x 28.3	6 x 5/8" x 171.5		
	19.9/18.3	0.179	47.3	0.179	6 x 5/16" x 190.1	6 x 1/2" x 120.6		
	18.3/14.1	0.179	120.5	0.179	6 x 1/4" x 120.5			
	14.1/10.0	0.179	120.5	0.179				
RF1-5	W10X49							

CONNECTION PLATES	
ID	Mark/Part
1	FLBC



RIGID FRAME ELEVATION: FRAME LINE 2 3

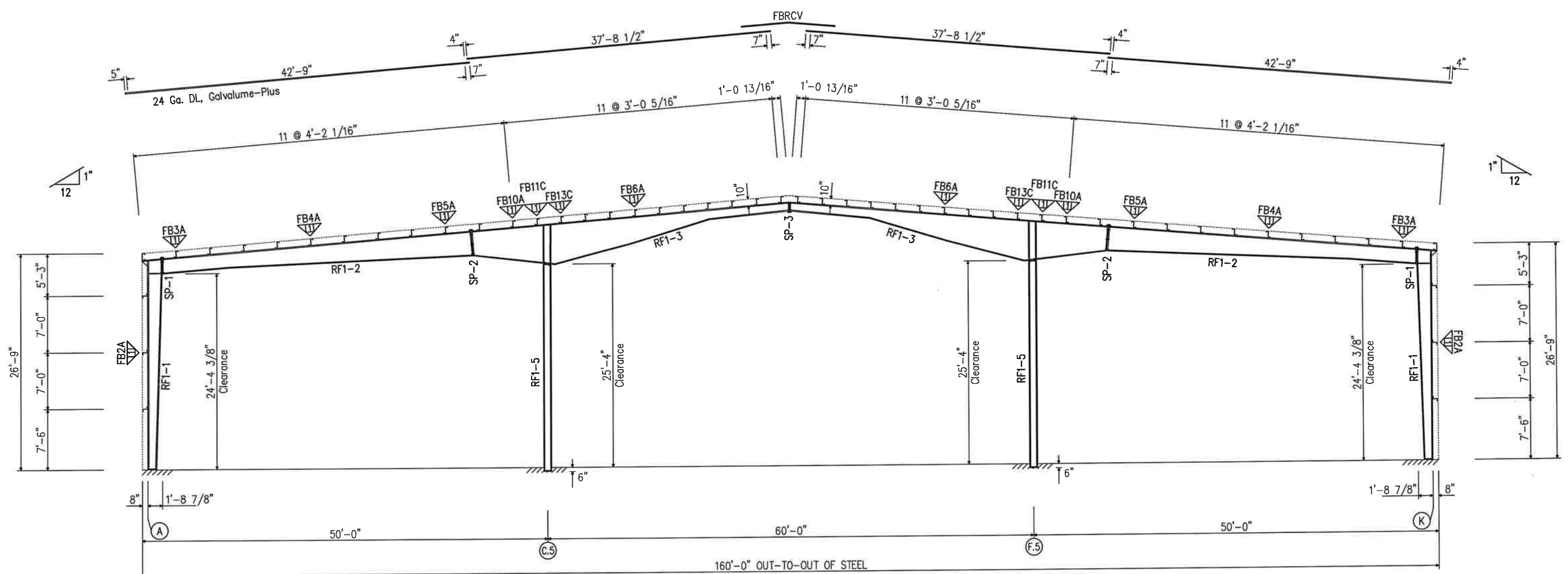
W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.		
PROJECT	Malteurop North America	RIGID FRAME SECTION		
ID	2404	DESIGN: JK	DRAFT: JW	CHECK:
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 7A OF 10	ISSUE: 1

SPLICE BOLT TABLE							CAP PLATE BOLTS				
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	6	2	0	A325	3/4"	2 1/4"	RF1-5	4	A325	3/4"	2 1/4"
SP-2	6	2	2	A325	3/4"	2 1/4"					
SP-3	2	4	0	A325	3/4"	2 1/4"					

▽ FLANGE BRACES: Both Sides (U.N.O.)
 FBxxA(1)
 A - L1.5x1/8
 C - L2x2x1/8

Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start	End	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length
RF1-1	10.0	14.1	0.179	120.5	6 x 1/4" x 120.5	6 x 1/2" x 120.6		
	14.1	18.3	0.179	120.5	6 x 5/16" x 190.1	6 x 5/8" x 171.5		
	18.3	19.9	0.179	47.3	6 x 1/2" x 28.3			
	19.9	20.0	0.224	24.0				
RF1-2	20.0	20.0	0.179	100.1	6 x 1/2" x 98.4	6 x 1/2" x 100.1		
	20.0	24.7	0.160	120.5	6 x 3/8" x 120.5	6 x 5/16" x 120.6		
	24.7	29.4	0.160	120.5	6 x 1/4" x 120.5	6 x 1/4" x 120.6		
	29.4	34.0	0.179	119.0	6 x 1/2" x 119.0	6 x 1/2" x 119.1		
	34.1	58.0	0.224	120.0	6 x 3/8" x 120.0	6 x 5/8" x 122.2		
RF1-3	58.0	38.0	0.224	113.4	6 x 5/16" x 113.4	6 x 5/8" x 115.2		
	38.0	12.0	0.179	120.0	6 x 1/4" x 120.0	6 x 3/8" x 122.7		
	12.0	10.0	0.160	120.0	6 x 3/8" x 120.0	6 x 1/4" x 119.1		
	20.0	19.9	0.224	24.0	6 x 1/2" x 28.3	6 x 5/8" x 171.5		
	19.9	18.3	0.179	47.3	6 x 5/16" x 190.1	6 x 1/2" x 120.6		
RF1-5	18.3	14.1	0.179	120.5	6 x 1/4" x 120.5			
	14.1	10.0	0.179	120.5				
	W10X49							

CONNECTION PLATES	
ID	Mark/Part
1	FLBC



RIGID FRAME ELEVATION: FRAME LINE 4

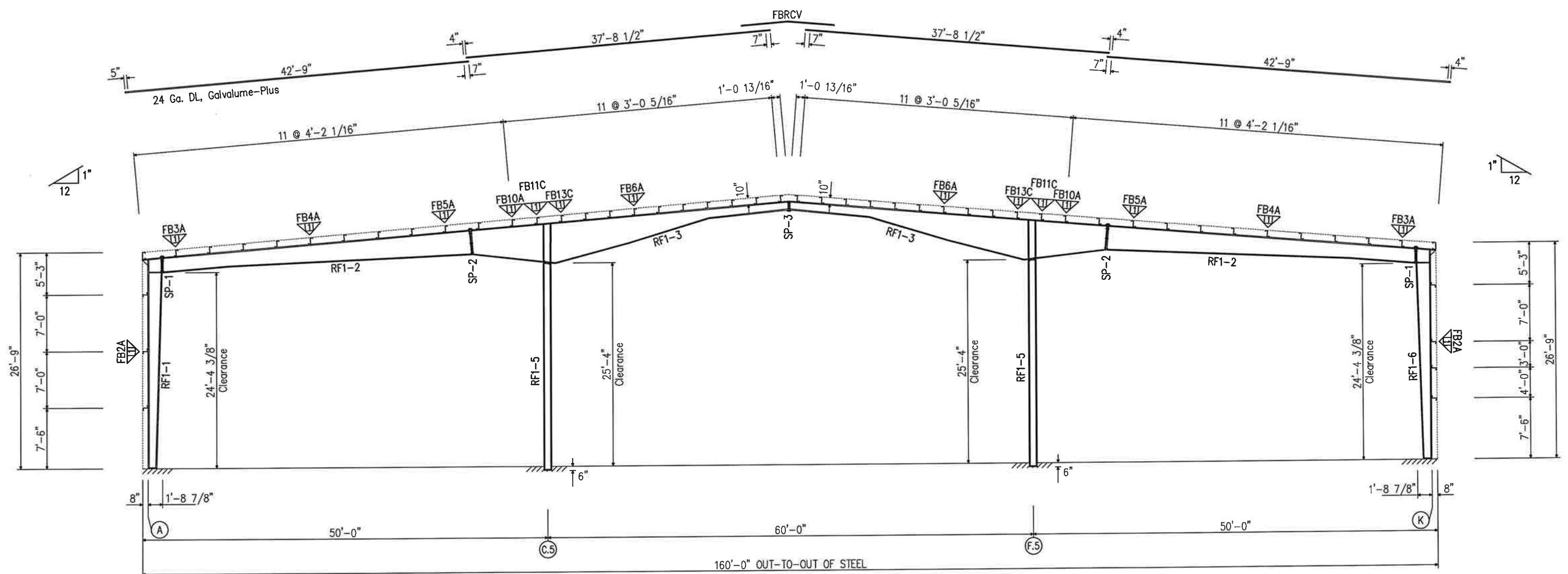
W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	RIGID FRAME SECTION	
ID	2404	DESIGN: JK	DRAFT: JW
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 7B OF 10
		DO NOT SCALE DRAWING	
		ISSUE: 1	

SPLICE BOLT TABLE							CAP PLATE BOLTS				
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	6	2	0	A325	3/4"	2 1/4"	RF1-5	4	A325	3/4"	2 1/4"
SP-2	6	2	2	A325	3/4"	2 1/4"					
SP-3	2	4	0	A325	3/4"	2 1/4"					

▽ FLANGE BRACES: Both Sides (U.N.O.)
 FBxxA(1)
 A - L1.5x1/8
 C - L2x2x1/8

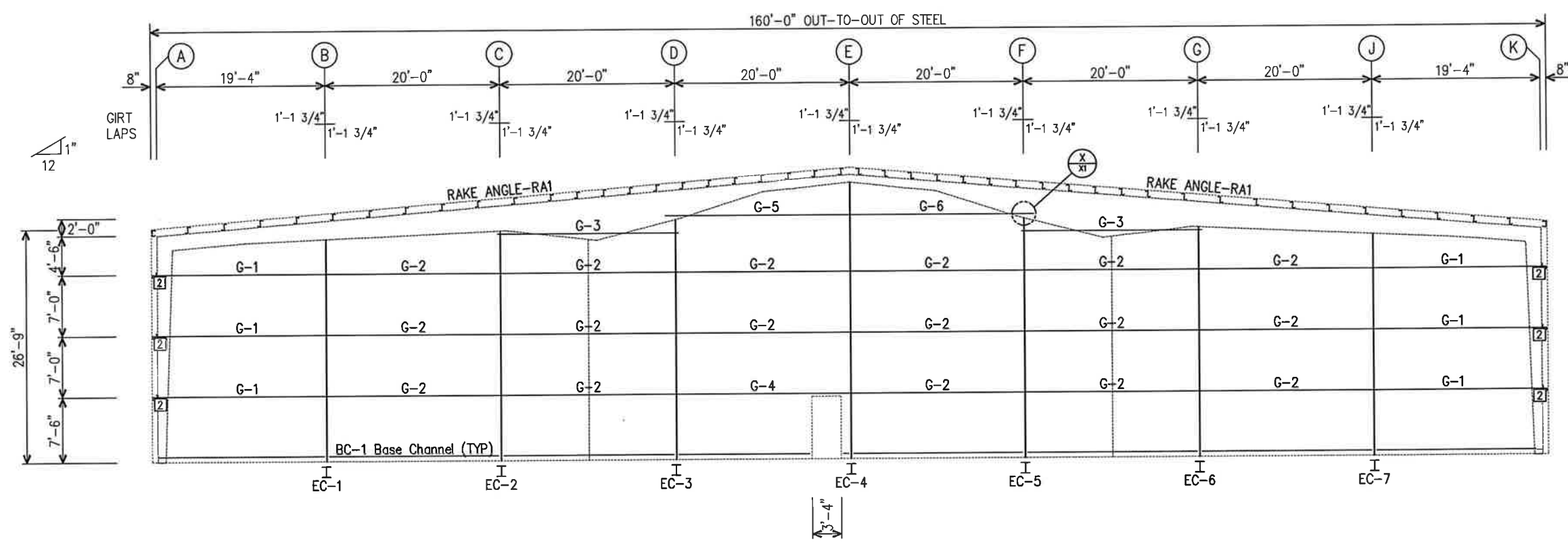
Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start	End	Thick	Length	W x Thk	x Length	W x Thk	x Length
RF1-1	10.0	14.1	0.179	120.5	6 x 1/4"	x 120.5	6 x 1/2"	x 120.6
	14.1	18.3	0.179	120.5	6 x 5/16"	x 190.1	6 x 5/8"	x 171.5
	18.3	19.9	0.179	47.3	6 x 1/2"	x 28.3		
RF1-2	19.9	20.0	0.224	24.0			6 x 1/2"	x 100.1
	20.0	20.0	0.179	100.1	6 x 1/2"	x 98.4	6 x 5/16"	x 120.6
	20.0	24.7	0.160	120.5	6 x 3/8"	x 120.5	6 x 1/4"	x 120.6
	24.7	29.4	0.160	120.5	6 x 1/4"	x 120.5	6 x 1/2"	x 119.1
	29.4	34.0	0.179	119.0	6 x 1/2"	x 119.0	6 x 5/8"	x 122.2
RF1-3	34.1	58.0	0.224	120.0	6 x 3/8"	x 120.0	6 x 5/8"	x 115.2
	58.0	38.0	0.224	113.4	6 x 5/16"	x 113.4	6 x 3/8"	x 122.7
	38.0	12.0	0.179	120.0	6 x 1/4"	x 120.0	6 x 1/4"	x 119.1
	12.0	10.0	0.160	120.0	6 x 3/8"	x 120.0	6 x 1/4"	x 119.1
RF1-6	20.0	19.9	0.224	24.0	6 x 1/2"	x 28.3	6 x 5/8"	x 171.5
	19.9	18.3	0.179	47.3	6 x 5/16"	x 190.1	6 x 1/2"	x 120.6
	18.3	14.1	0.179	120.5	6 x 1/4"	x 120.5		
	14.1	10.0	0.179	120.5				
RF1-5	W10X49							

CONNECTION PLATES	
ID	Mark/Part
1	FLBC



RIGID FRAME ELEVATION: FRAME LINE 5 6

W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.		
PROJECT	Malteurop North America	RIGID FRAME SECTION		
ID	2404	DESIGN: JK	DRAFT: JW	CHECK:
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 7C OF 10	DO NOT SCALE DRAWING ISSUE: 1

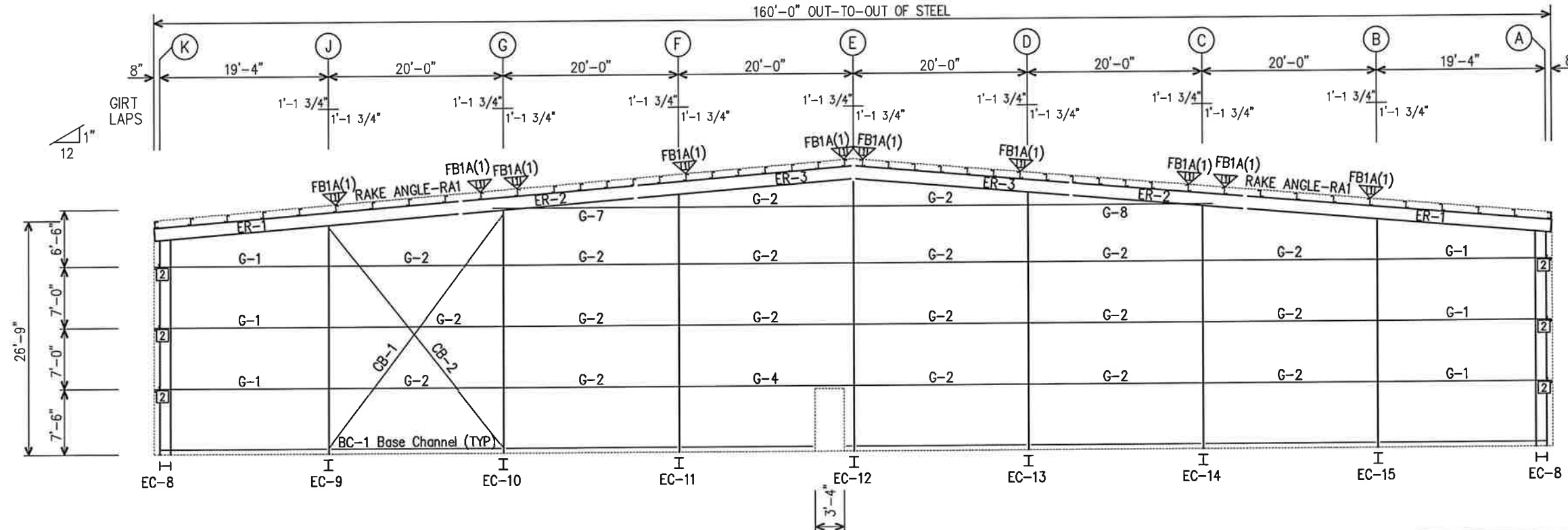


SOUTH ENDWALL FRAMING: FRAME LINE 1

BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	3/4"	1 1/2"

MEMBER TABLE FRAME LINE 1	
MARK	PART
EC-1	W8X24
EC-2	W8X24
EC-3	W12X26
EC-4	W8X31
EC-5	W12X26
EC-6	W8X24
EC-7	W8X24
G-1	8X25Z16
G-2	8X25Z16
G-3	8X25Z16
G-4	8X25Z16
G-5	8X25Z16
G-6	8X25Z16

CONNECTION PLATES FRAME LINE 1	
ID	MARK/PART
2	D1



NORTH ENDWALL FRAMING: FRAME LINE 7

BOLT TABLE FRAME LINE 7				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	8	A325	3/4"	1 3/4"
ER-2/ER-3	8	A325	3/4"	1 3/4"
ER-3/ER-3	6	A325	3/4"	1 3/4"
Cor_Column/Raf	4	A325	3/4"	1 3/4"
Int_Column/Raf	4	A325	3/4"	1 1/2"

FLANGE BRACE TABLE FRAME LINE 7		
ID	MARK	LENGTH
1	FB1A	2'-6"

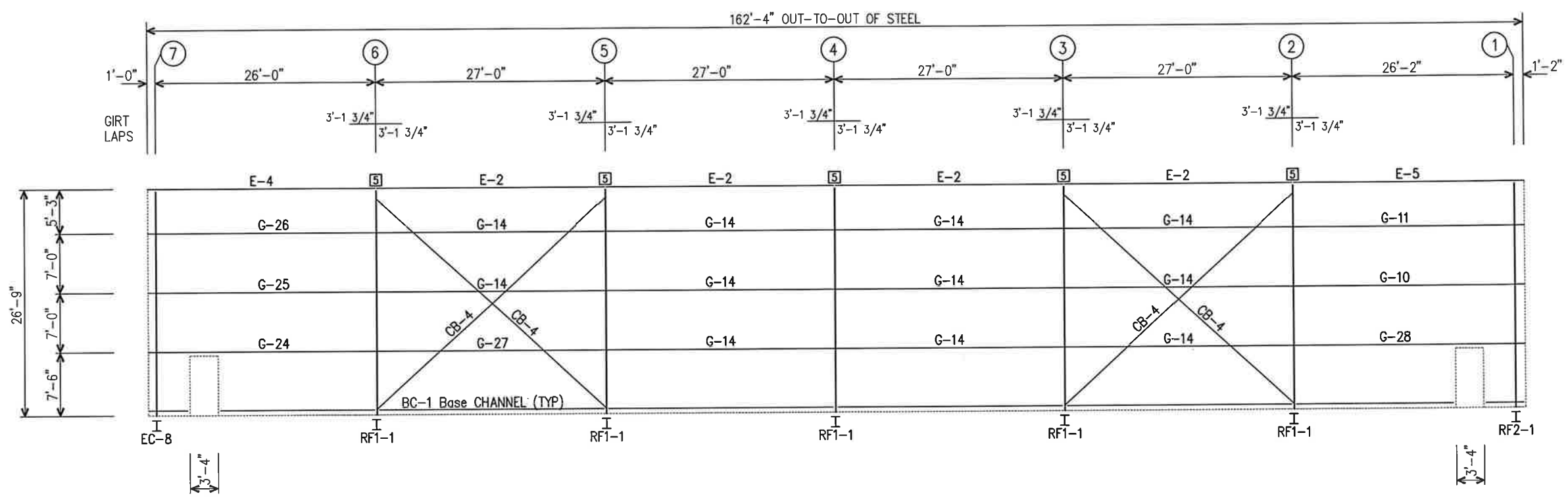
CONNECTION PLATES FRAME LINE 7	
ID	MARK/PART
1	FLBC
2	D1

MEMBER TABLE FRAME LINE 7	
MARK	PART
EC-8	W8X10
EC-9	W8X24
EC-10	W8X28
EC-11	W8X28
EC-12	W8X31
EC-13	W8X28
EC-14	W8X28
EC-15	W8X24
ER-1	W12X14
ER-2	W12X14
ER-3	W12X14
G-1	8X25Z16
G-2	8X25Z16
G-4	8X25Z16
G-7	8X25Z16
G-8	8X25Z16
CB-1	CB0250
CB-2	CB0250

W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	ENDWALL FRAMING	
ID	2404	DESIGN: JK	DRAFT: JW
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 8 OF 10
		DO NOT SCALE DRAWING	ISSUE: 1

CONNECTION PLATES	
FRAME LINE A	
ID	MARK/PART
5	PL-01

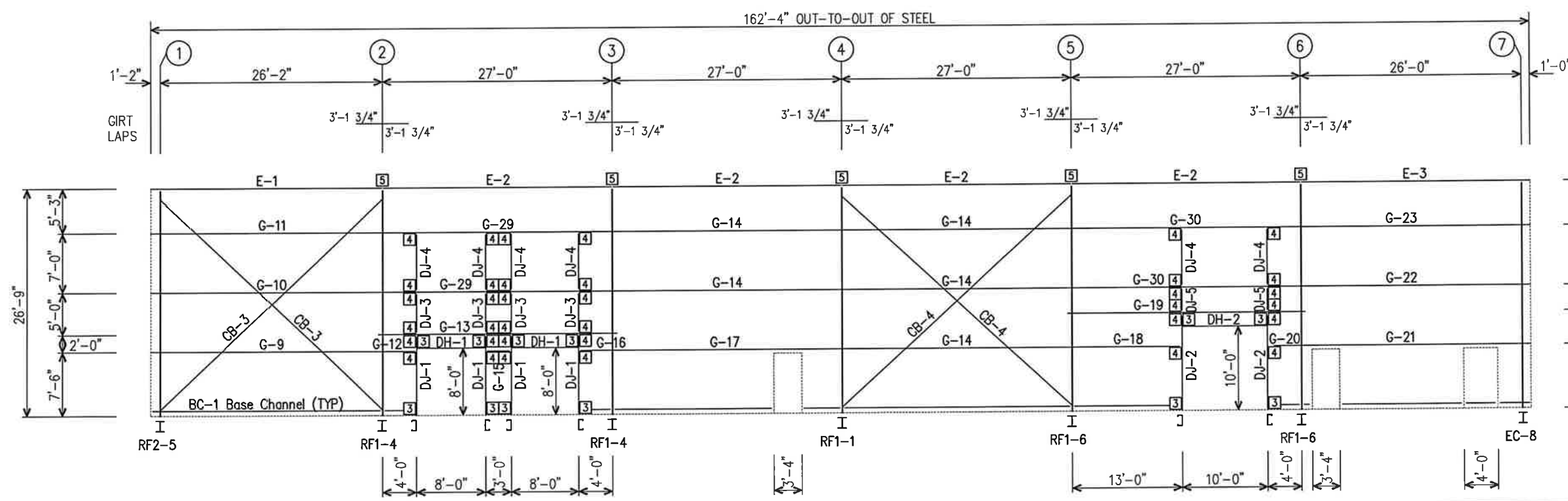
MEMBER TABLE	
FRAME LINE A	
MARK	PART
E-2	10ES514
E-4	10ES514
E-5	10ES514
G-10	8X25Z14
G-11	8X25Z16
G-14	8X25Z16
G-24	8X25Z12
G-25	8X25Z14
G-26	8X25Z16
G-27	8X25Z14
G-28	8X25Z14
CB-4	CB0375



WEST SIDEWALL FRAMING: FRAME LINE A

CONNECTION PLATES	
FRAME LINE K	
ID	MARK/PART
5	PL-01
3	F1
4	J1

MEMBER TABLE	
FRAME LINE K	
MARK	PART
DJ-1	8X25C16
DJ-2	8X25C14
DJ-3	8X25C16
DJ-4	8X25C16
DJ-5	8X25C16
DH-1	8X25C16
DH-2	8X25C16
E-1	10ES514
E-2	10ES514
E-3	10ES514
G-9	8X25Z12
G-10	8X25Z14
G-11	8X25Z16
G-12	8X25Z12
G-13	8X25Z12
G-14	8X25Z16
G-15	8X25Z16
G-16	8X25Z14
G-17	8X25Z14
G-18	8X25Z16
G-19	8X35Z16
G-20	8X25Z12
G-21	8X25Z12
G-22	8X25Z12
G-23	8X25Z16
CB-3	CB0375
CB-4	CB0375



EAST SIDEWALL FRAMING: FRAME LINE K

W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	SIDEWALL FRAMING	
ID	2404	DESIGN: JK	DRAFT: JW
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	CHECK: SHEET: 8A OF 10
		DO NOT SCALE DRAWING	
		ISSUE: 1	

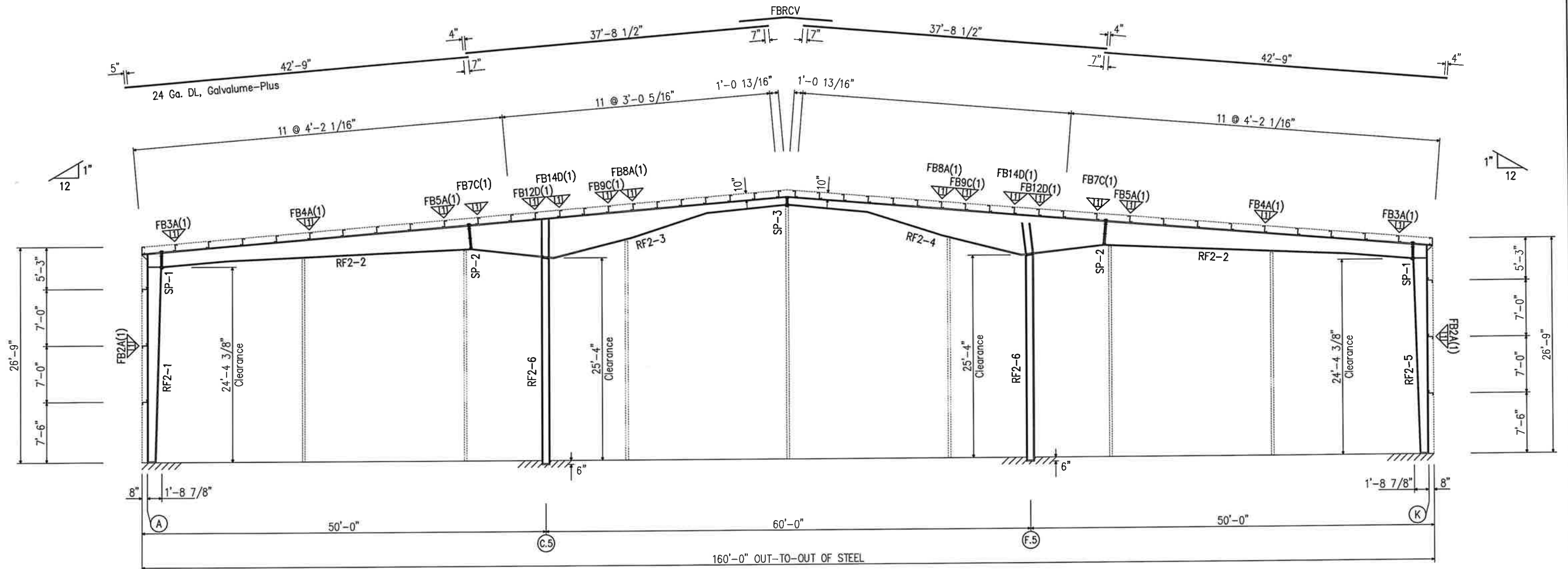
SPLICE BOLT TABLE							CAP PLATE BOLTS				
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	6	4	0	A325	3/4"	2 1/4"	RF2-6	4	A325	3/4"	2 1/4"
SP-2	6	2	2	A325	3/4"	2 1/4"					
SP-3	2	4	0	A325	3/4"	2 1/4"					

▽ FLANGE BRACES: Both Sides (U.N.O.)
 FBxxA(1)
 A - L1.5x1/8
 C - L2x2x1/8
 D - L2.5x3/16

Mark	Web Depth		Web Plate		Outside Flange			Inside Flange		
	Start	End	Thick	Length	W x Thk	x Length	W x Thk	x Length	W x Thk	x Length
RF2-1	10.0	14.2	0.160	120.5	6 x 1/4"	x 120.5	6 x 3/8"	x 120.6	6 x 5/8"	x 167.9
	14.2	18.4	0.179	120.5	6 x 5/16"	x 190.1	6 x 5/8"	x 120.6	6 x 5/8"	x 167.9
	18.4	20.0	0.179	47.3	6 x 1/2"	x 28.3				
RF2-2	20.0	20.0	0.250	24.0						
	20.0	20.0	0.179	99.1	6 x 1/2"	x 97.4	6 x 1/2"	x 99.1		
	20.0	24.7	0.160	120.5	6 x 3/8"	x 120.5	6 x 5/16"	x 120.6		
	24.7	29.4	0.160	120.5	6 x 1/4"	x 120.5	6 x 1/4"	x 120.6		
RF2-3	29.4	34.0	0.179	119.0	6 x 1/2"	x 119.0	6 x 1/2"	x 119.1		
	34.1	53.3	0.224	97.0	6 x 3/8"	x 121.0	6 x 5/8"	x 123.2		
	53.3	58.0	0.224	24.0	6 x 5/16"	x 119.2	6 x 5/8"	x 120.9		
	58.0	38.0	0.224	119.2	6 x 1/4"	x 114.2	6 x 3/8"	x 117.1		
	38.0	12.0	0.179	114.2	6 x 5/16"	x 120.0	6 x 1/4"	x 119.1		
	12.0	10.0	0.160	120.0						

Mark	Web Depth		Web Plate		Outside Flange			Inside Flange		
	Start	End	Thick	Length	W x Thk	x Length	W x Thk	x Length	W x Thk	x Length
RF2-4	10.0	12.0	0.160	120.0	6 x 5/16"	x 120.0	6 x 1/4"	x 119.1	6 x 3/8"	x 117.1
	12.0	38.0	0.179	114.2	6 x 1/4"	x 114.2	6 x 5/8"	x 120.9	6 x 5/8"	x 123.2
	38.0	58.0	0.224	119.2	6 x 5/16"	x 119.2	6 x 5/8"	x 120.9	6 x 5/8"	x 123.2
	58.0	53.3	0.224	24.0	6 x 3/8"	x 121.0				
RF2-5	53.3	34.1	0.224	97.0						
	20.0	20.0	0.250	24.0						
	20.0	18.4	0.179	47.3	6 x 1/2"	x 28.3	6 x 5/8"	x 167.9	6 x 3/8"	x 120.6
	18.4	14.2	0.179	120.5	6 x 5/16"	x 190.1	6 x 5/8"	x 120.9		
RF2-6	14.2	10.0	0.160	120.5						
	W10X49									

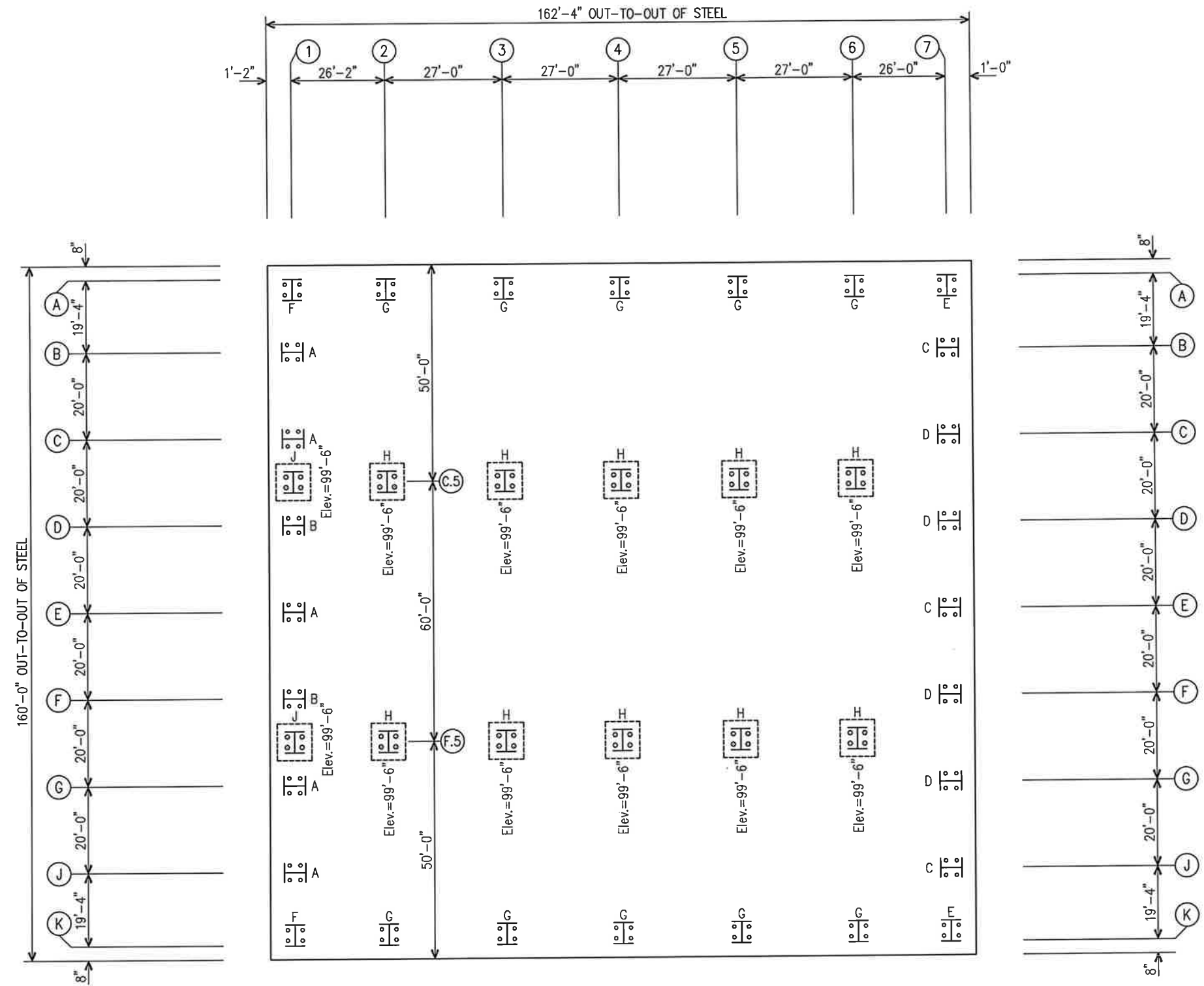
CONNECTION PLATES	
ID	Mark/Part
1	FLBC



RIGID FRAME ELEVATION: FRAME LINE 1

W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	RIGID FRAME SECTION	
ID	2404	DESIGN: JK	DRAFT: JW
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 7 OF 10
		DO NOT SCALE DRAWING	ISSUE: 1

○ Dia= 5/8"
 ⊙ Dia= 3/4"



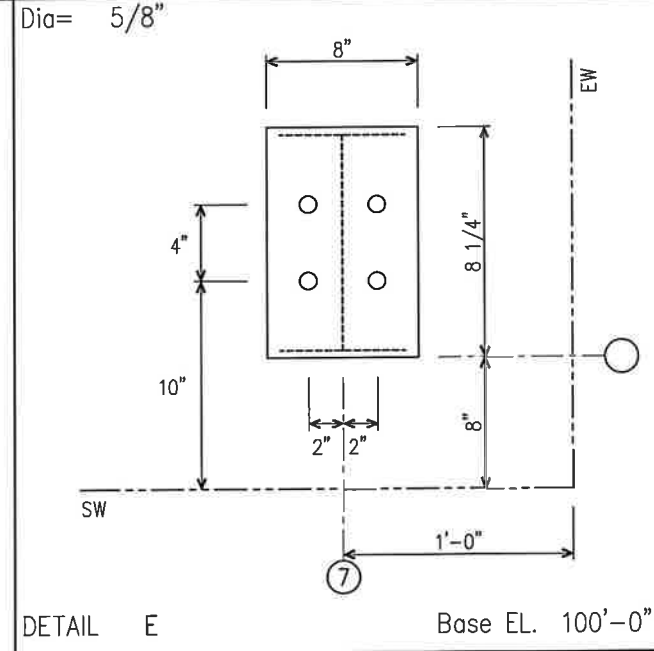
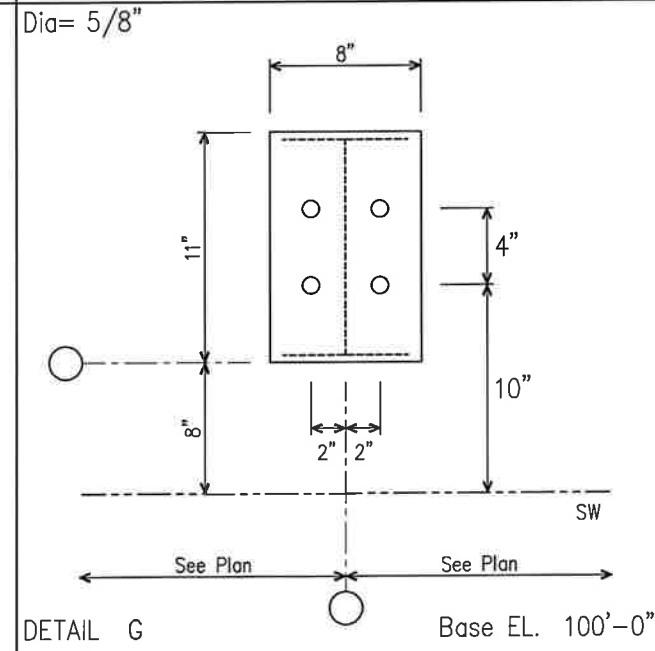
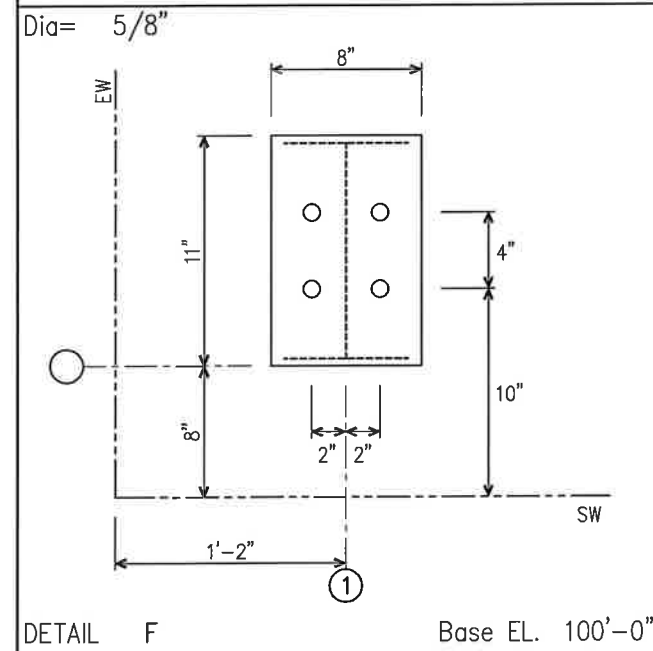
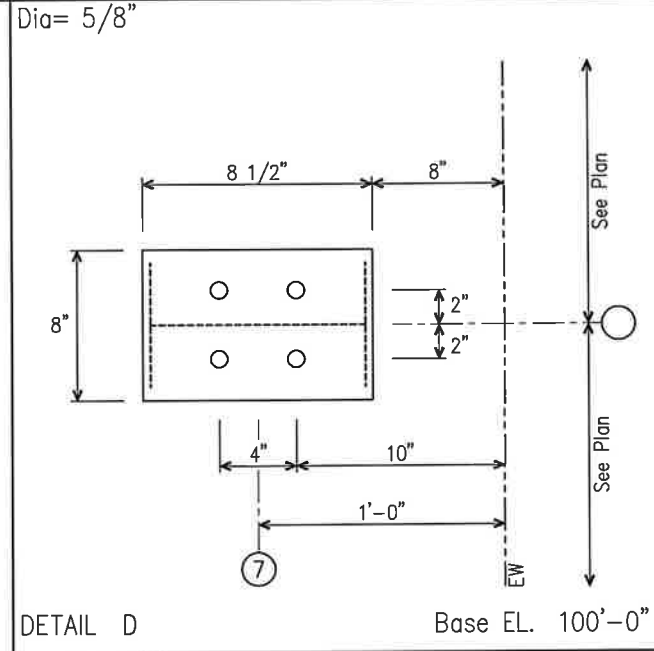
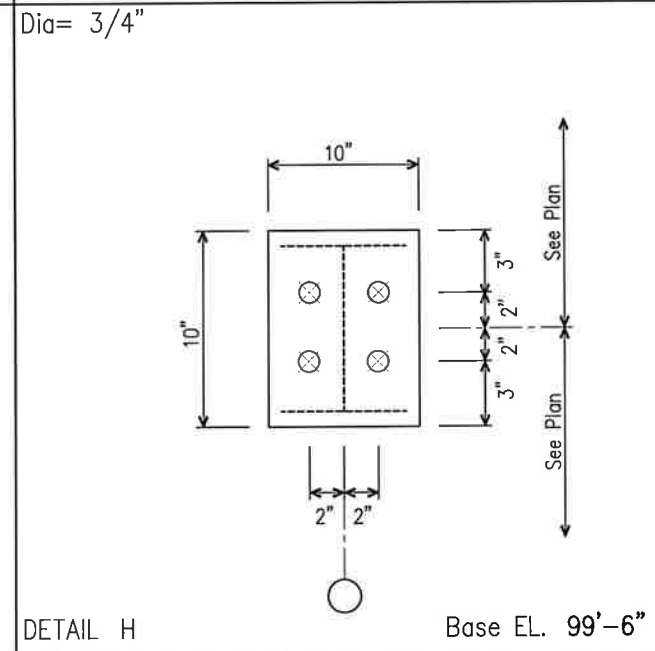
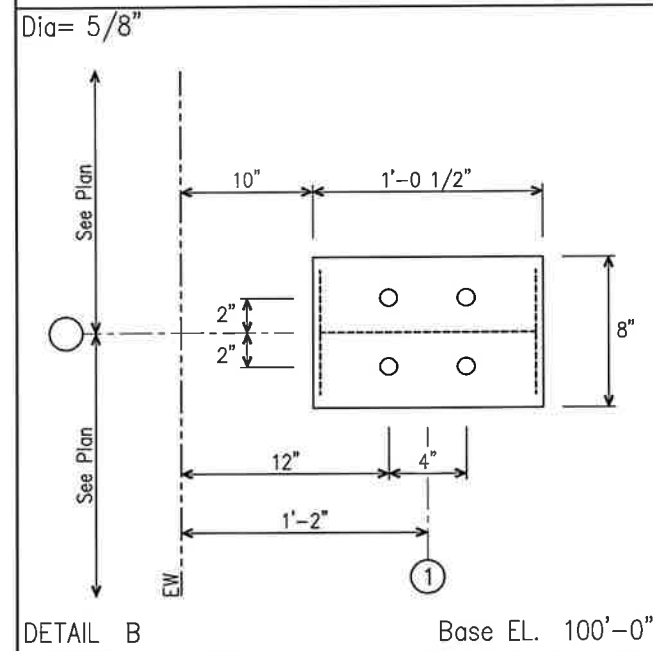
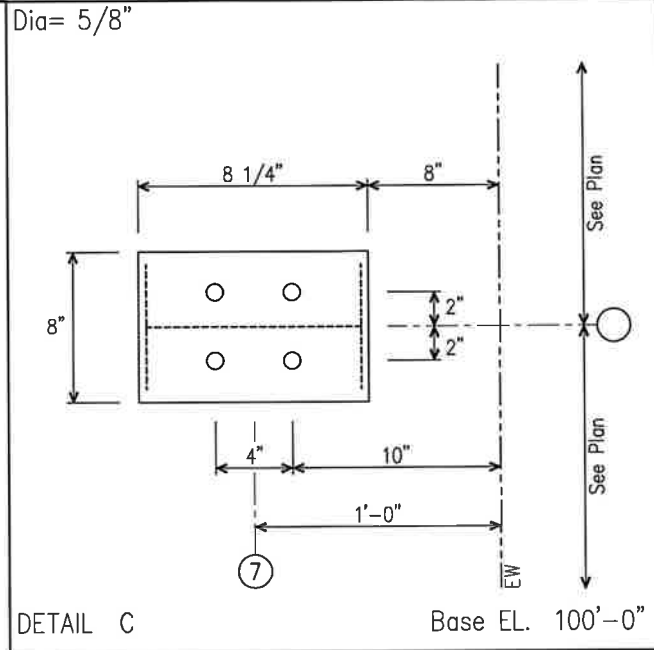
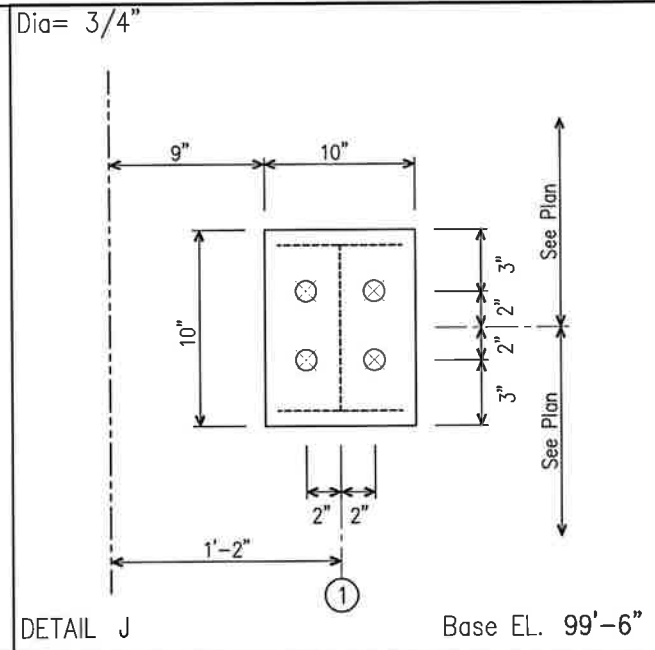
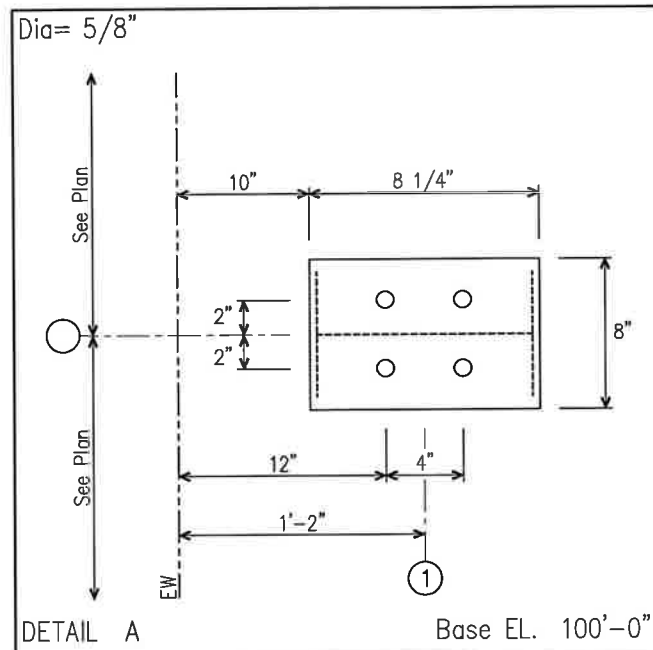
GENERAL NOTES

1. REVIEW DRAWING 5A FOR ANCHOR BOLT SIZES, LOCATIONS AND PATTERNS (E:) CENTERLINE OF A.B. OR CENTERLINE OF PATTERN OR CENTERLINE OF COLUMN.
2. ANCHOR BOLTS AND SETTING PLATES NOT BY FOREMOST BUILDINGS.



ANCHOR BOLT PLAN
 NOTE: All Base Plates @ 100'-0" (U.N.O.)

W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	ANCHOR BOLT PLAN	
ID	2404	DESIGN: JK	DRAFT: JW CHECK:
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 5 OF 10
		DO NOT SCALE DRAWING	ISSUE: 1



ANCHOR BOLT SUMMARY				
Qty	Locate	Dia (in)	Type	Proj (in)
64	Endwall	5/8"	A307	3.00
48	Frame	5/8"	A307	3.00
48	Frame	3/4"	A307	3.00

W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	ANCHOR BOLT DETAILS	
ID	2404	DESIGN: JK	DRAFT: JW
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 5A OF 10
		DO NOT SCALE DRAWING	
		ISSUE: 1	

GENERAL NOTES

- FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF FOREMOST BUILDINGS, INC.
- THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION.
- ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION.
- COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED A BEARING PRESSURE OF 1125 POUNDS PER SQUARE INCH.
- ALL COLUMN BASE PLATES ARE TO BE SET AT FINISHED FLOOR ELEVATION OF 100'-0" UNLESS NOTED OTHERWISE ON THE ANCHOR BOLT SETTING PLAN.....
- SEE REACTION TABLES FOR PROPER BASE PLATE WIDTHS AND LENGTHS.

*** Additional Load Information ***

Snow Drift (Magnitude psf Width ft)
:
Ground Snow: 50

NOTES FOR REACTIONS

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:
 Width (ft) = 160.0
 Length (ft) = 162.3
 Eave Height (ft) = 26.8 / 26.8
 Roof Slope (rise/12) = 1.0 / 1.0
 Dead Load (psf) = 3.0
 Collateral Load (psf) = 10.0
 Live Load (psf) = 20.0
 Snow Load (psf) = 35.0
 Wind Speed (mph) = 108.0
 Wind Code = MNBC 20 (IBC 18)
 Exposure = C
 Closed/Open = C
 Importance Wind = 1.00
 Importance Seismic = 1.00
 Seismic Zone = A
 Seismic Coeff (Fa*Sa) = 0.08

5. Loading conditions are:

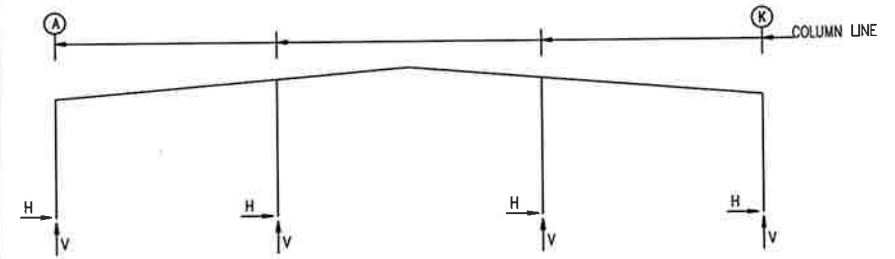
- Dead+Collateral+Snow+Slide_Snow
- Dead+Collateral+0.75Snow+0.45Wind_Left1+0.75Slide_Snow
- Dead+Collateral+0.75Snow+0.45Wind_Right1+0.75Slide_Snow
- 0.6Dead+0.6Wind_Left1
- 0.6Dead+0.6Wind_Left2
- 0.6Dead+0.6Wind_Right2
- 0.6Dead+0.6Wind_Long1L
- 0.6Dead+0.6Wind_Long1R
- 0.6Dead+0.6Wind_Long2L
- 0.6Dead+0.6Wind_Long2R
- 1.01Dead+1.01Collateral+0.75Seismic_LongR
- Dead+Collateral+F1UNB_SL_L
- Dead+Collateral+F1UNB_SL_R
- Dead+Collateral+F2UNB_SL_L
- Dead+Collateral+F2UNB_SL_R
- 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
- 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
- 0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
- 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
- Dead+Collateral+E2UNB_SL_L
- 0.6Dead+0.6Wind_Left1+0.6Wind_Suction
- 0.6Dead+0.6Wind_Right1+0.6Wind_Suction
- 0.6Dead+0.6Wind_Suction+0.6Wind_Long2L
- Dead+Collateral+E2UNB_SL_R

BUILDING BRACING REACTIONS

Wall Loc	Col Line	± Reactions(k)				Panel Shear (lb/ft)		Note
		Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Wind	Seis	
SOUTH EW	1							(h)
WEST SW	K	1,2	10.4	9.9	2.5	2.4		
		4,5	10.4	9.6	2.5	2.3		
NORTH EW	7	J,G	3.9	5.6	0.9	1.3		
EAST SW	A	6,5	10.4	9.6	2.5	2.3		
		3,2	10.4	9.6	2.5	2.3		

(h) Rigid frame at endwall

FRAME LINES: 1 2 3 4 5 6



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k)						Bolt Qty	Bolt Dia	Base_Plate(in)		Thick	Grout (in)
		Load Id	Hmax H	V Vmax	Hmin H	V Vmin	Width			Length			
1	A	3	5.9	18.8	5	-5.4	-3.6	4	0.625	8.000	11.00	0.500	0.0
		1	3.9	25.6	4	-4.1	-6.8						
1	K	6	5.4	-3.6	2	-5.9	18.8	4	0.625	8.000	11.00	0.500	0.0
		1	-3.9	25.6	9	-2.2	-11.0						
1	C.5	8	0.0	-14.9	8	0.0	-14.9	4	0.750	10.00	10.00	0.750	-6.0
		14	0.0	102.0									
1	F.5	9	0.0	-14.9	9	0.0	-14.9	4	0.750	10.00	10.00	0.750	-6.0
		15	0.0	102.0									

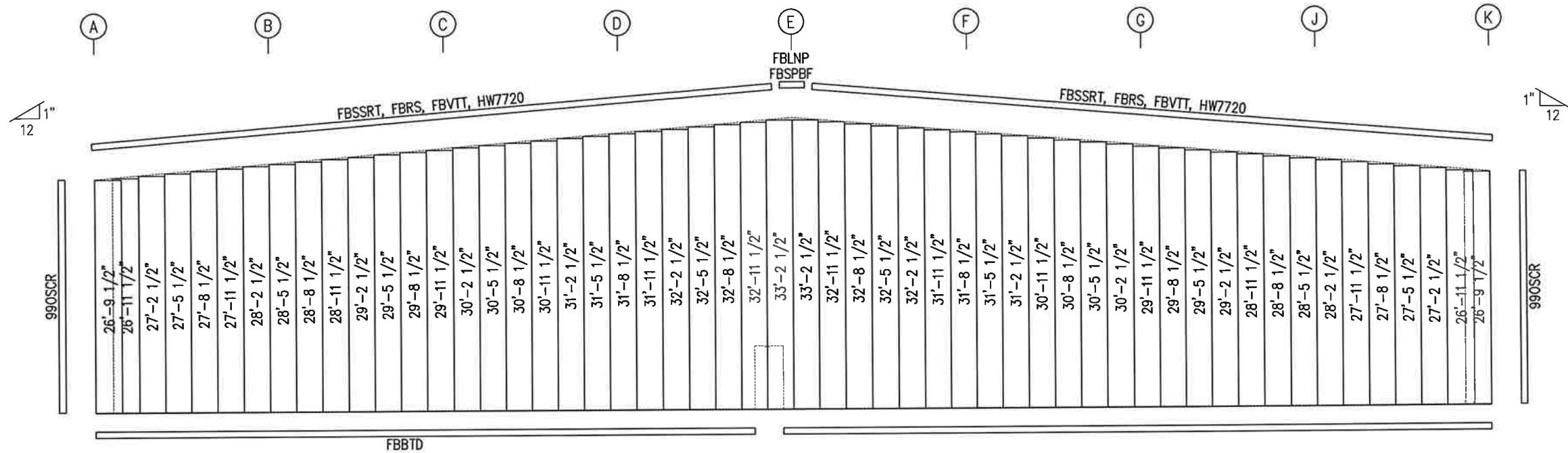
RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k)						Bolt Qty	Bolt Dia	Base_Plate(in)		Thick	Grout (in)
		Load Id	Hmax H	V Vmax	Hmin H	V Vmin	Width			Length			
2*	A	3	5.9	18.9	5	-5.4	-3.6	4	0.625	8.000	11.00	0.500	0.0
		1	3.9	25.7	7	2.3	-10.8						
2*	K	6	5.4	-3.6	2	-5.9	18.9	4	0.625	8.000	11.00	0.500	0.0
		1	-3.9	25.7	9	-2.3	-11.0						
2*	C.5	8	0.0	-14.9	8	0.0	-14.9	4	0.750	10.00	10.00	0.750	-6.0
		12	0.0	102.0									
2*	F.5	10	0.0	-14.9	10	0.0	-14.9	4	0.750	10.00	10.00	0.750	-6.0
		13	0.0	102.0									

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

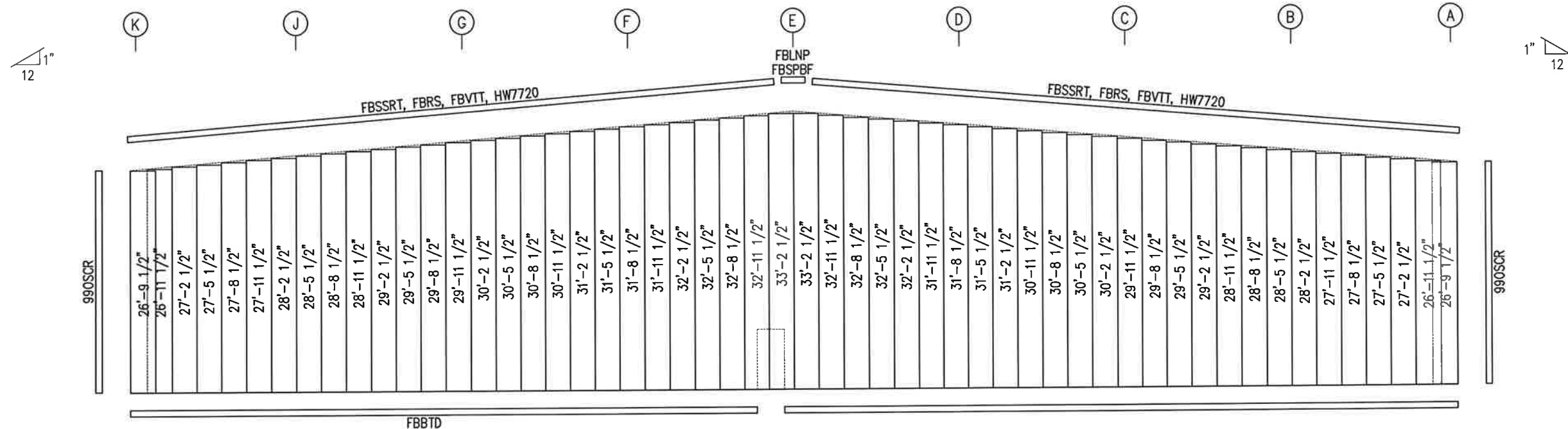
Frm Line	Col Line	Column_Reactions(k)						Bolt Qty	Bolt Dia	Base_Plate(in)		Thick	Grout (in)
		Load Id	Hmax H	V Vmax	Hmin H	V Vmin	Width			Length			
1	B	16	3.5	0.4	17	-3.2	0.4	4	0.625	8.000	8.250	0.375	0.0
		11	0.0	0.6									
1	C	16	3.6	0.4	17	-3.3	0.4	4	0.625	8.000	8.250	0.375	0.0
		11	0.0	0.6									
1	D	16	3.8	0.4	17	-3.4	0.4	4	0.625	8.000	12.50	0.375	0.0
		11	0.0	0.7									
1	E	16	4.3	0.6	17	-3.9	0.6	4	0.625	8.000	8.250	0.375	0.0
		11	0.0	1.0									
1	F	16	3.8	0.4	17	-3.4	0.4	4	0.625	8.000	12.50	0.375	0.0
		11	0.0	0.7									
1	G	16	3.6	0.4	17	-3.3	0.4	4	0.625	8.000	8.250	0.375	0.0
		11	0.0	0.6									
1	J	16	3.5	0.4	17	-3.2	0.4	4	0.625	8.000	8.250	0.375	0.0
		11	0.0	0.6									
7	K	18	2.4	-1.7	19	-2.1	-1.7	4	0.625	8.000	8.250	0.375	0.0
		20	0.0	5.9	18	2.4	-1.7						
7	J	21	3.6	-7.7	19	-3.2	-3.3	4	0.625	8.000	8.250	0.375	0.0
		1	0.0	15.9	21	3.6	-7.7						
7	G	22	3.9	-5.0	19	-3.5	-4.6	4	0.625	8.000	8.500	0.375	0.0
		20	0.0	15.1	22	3.9	-5.0						
7	F	18	4.1	-3.9	19	-3.7	-3.9	4	0.625	8.000	8.500	0.375	0.0
		20	0.0	21.7	18	4.1	-3.9						
7	E	18	4.3	-2.2	19	-3.9	-2.2	4	0.625	8.000	8.250	0.375	0.0
		1	0.0	14.8	18	4.3	-2.2						
7	D	23	4.1	-3.9	17	-3.7	-3.9	4	0.625	8.000	8.500	0.375	0.0
		24	0.0	21.7	23	4.1	-3.9						
7	C	22	3.9	-3.7	17	-3.5	-3.6	4	0.625	8.000	8.500	0.375	0.0
		24	0.0	15.1	22	3.9	-3.7						
7	B	23	3.6	-4.3	17	-3.2	-4.3	4	0.625	8.000	8.250	0.375	0.0
		1	0.0	15.9	23	3.6	-4.3						
7	A	23	2.4	-1.7	17	-2.1	-1.7	4	0.625	8.000	8.250	0.375	0.0
		24	0.0	5.9	23	2.4	-1.7						

W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	ANCHOR BOLT REACTIONS	
ID	2404	DESIGN: JK	DRAFT: JW
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 5B OF 10
		DO NOT SCALE DRAWING	ISSUE: 1



SOUTH ENDWALL SHEETING & TRIM: FRAME LINE 1

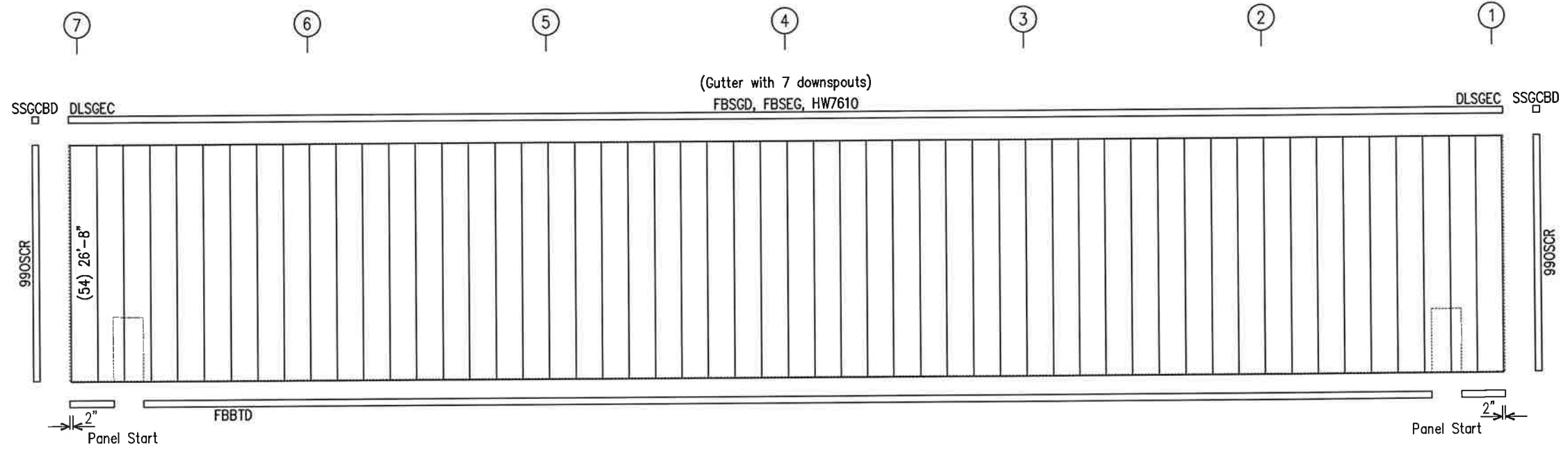
PANELS: 26 Ga. PBR - NEED COLOR/Kynars



NORTH ENDWALL SHEETING & TRIM: FRAME LINE 7

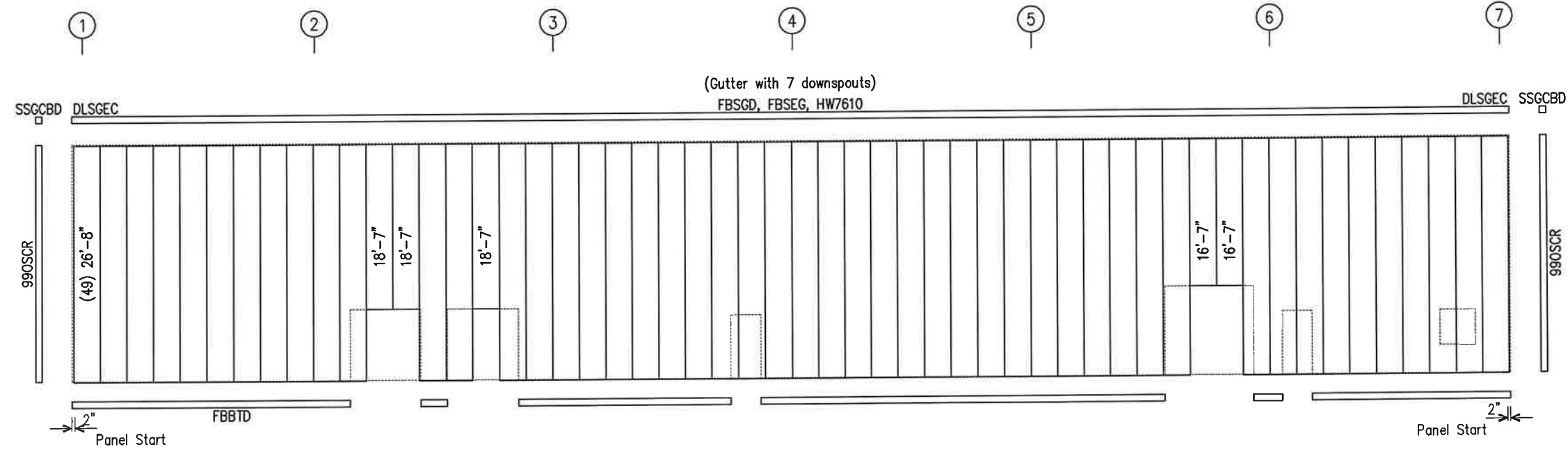
PANELS: 26 Ga. PBR - NEED COLOR/Kynars

W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	ENDWALL SHEETING	
ID.	2404	DESIGN: JK	DRAFT: JW
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	CHECK: SHEET: 9 OF 10
		DO NOT SCALE DRAWING	
		ISSUE: 1	



WEST SIDEWALL SHEETING & TRIM: FRAME LINE A

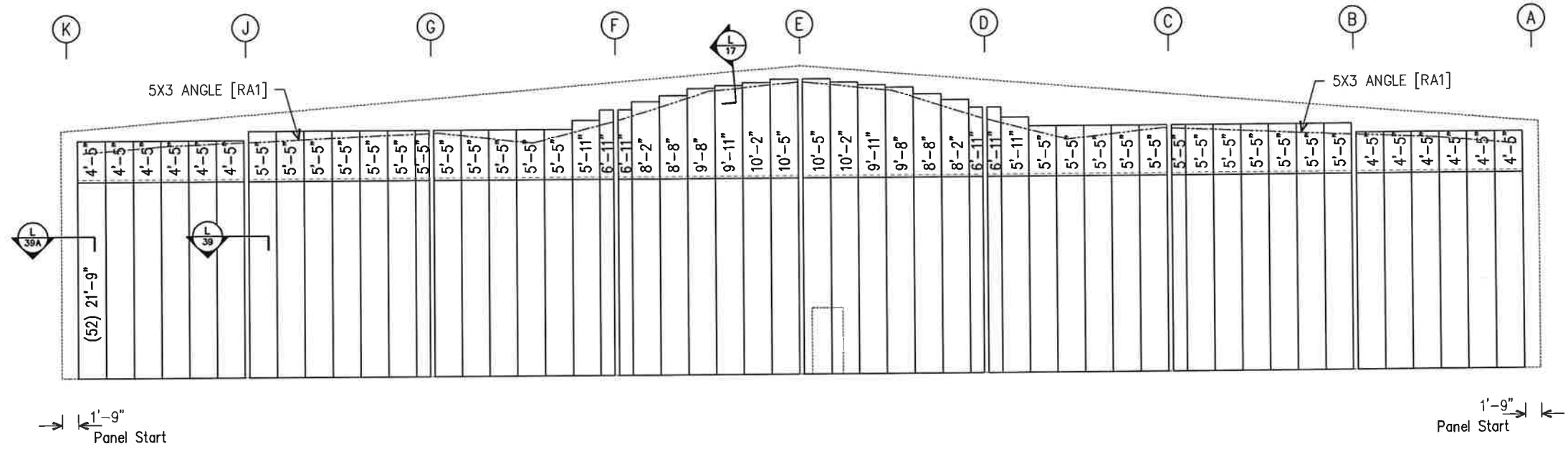
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EAST SIDEWALL SHEETING & TRIM: FRAME LINE K

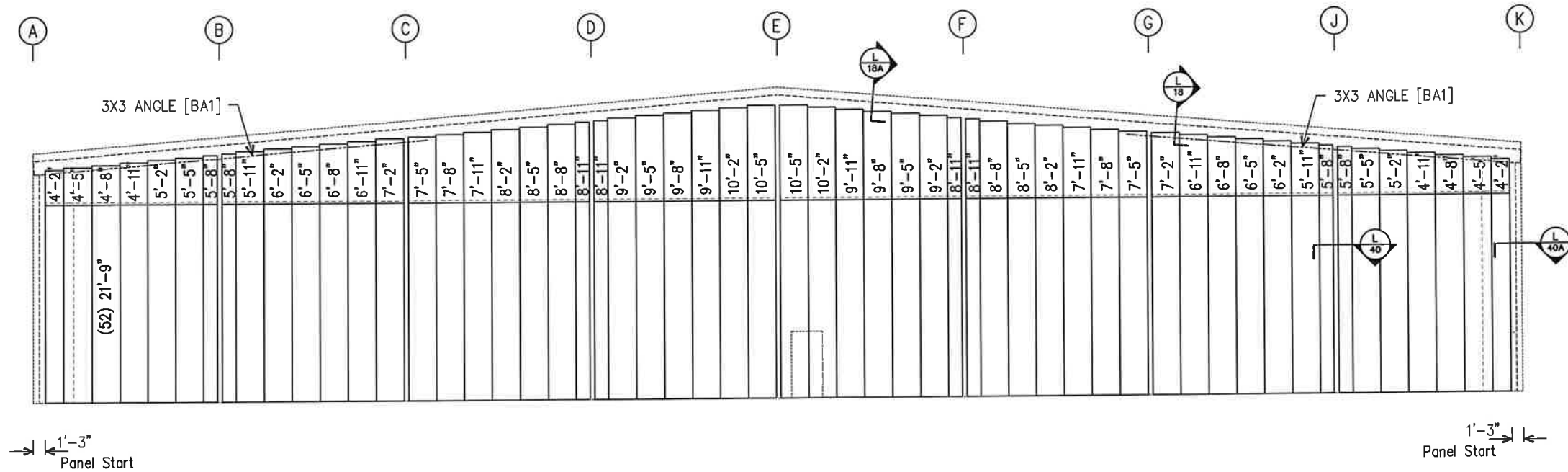
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W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	SIDEWALL SHEETING	
ID	2404	DESIGN: JK	DRAFT: JW
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	CHECK: SHEET: 9A OF 10
		DO NOT SCALE DRAWING	
		ISSUE: 1	



SOUTH ENDWALL LINER SHEETING & TRIM: FRAME LINE 1

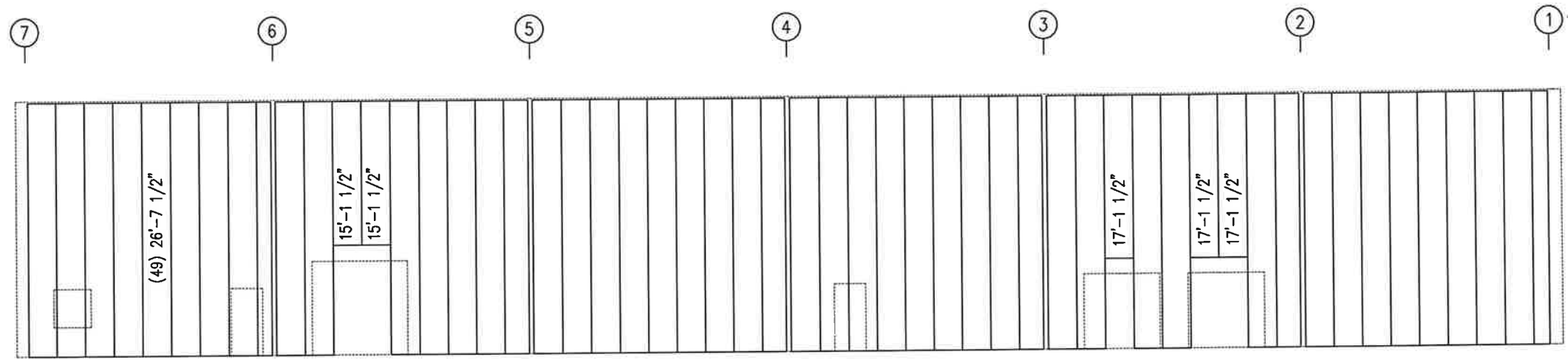
PANELS: 26 Ga. RR - Polar White
 (As Viewed From Inside Of Building)



NORTH ENDWALL LINER SHEETING & TRIM: FRAME LINE 7

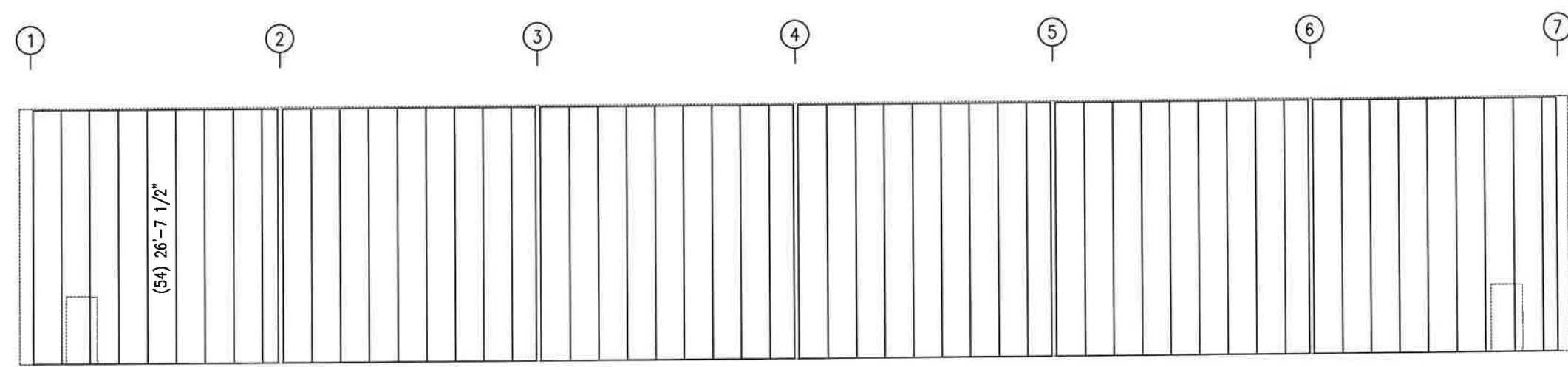
PANELS: 26 Ga. RR - Polar White
 (As Viewed From Inside Of Building)

W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	ENDWALL LINER SHEETING	
ID	2404	DESIGN: JK	DRAFT: JW CHECK:
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 9B OF 10
		DO NOT SCALE DRAWING ISSUE: 1	



EAST SIDEWALL LINER SHEETING & TRIM: FRAME LINE K

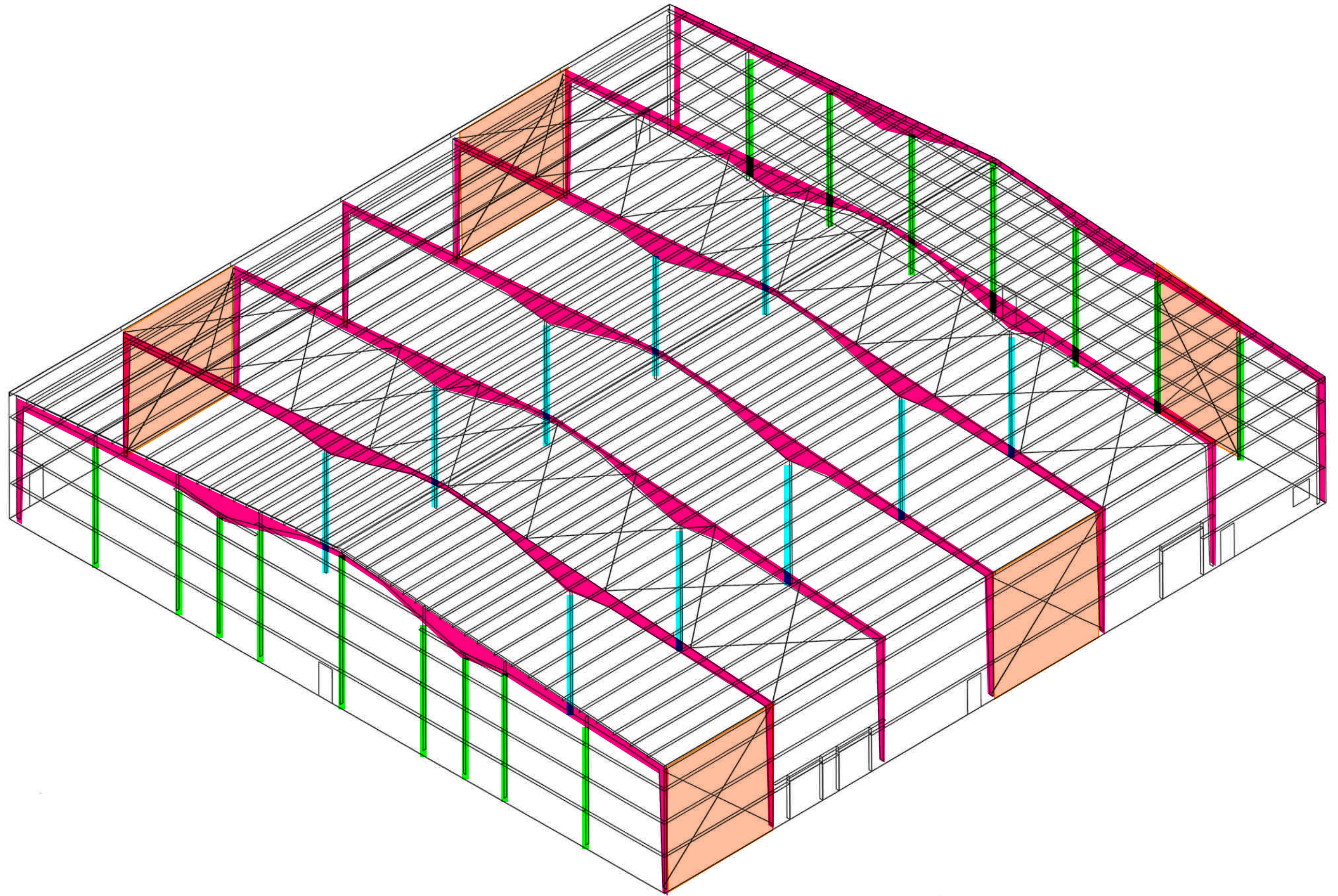
PANELS: 26 Ga. RR – Polar White
 (As Viewed From Inside Of Building)

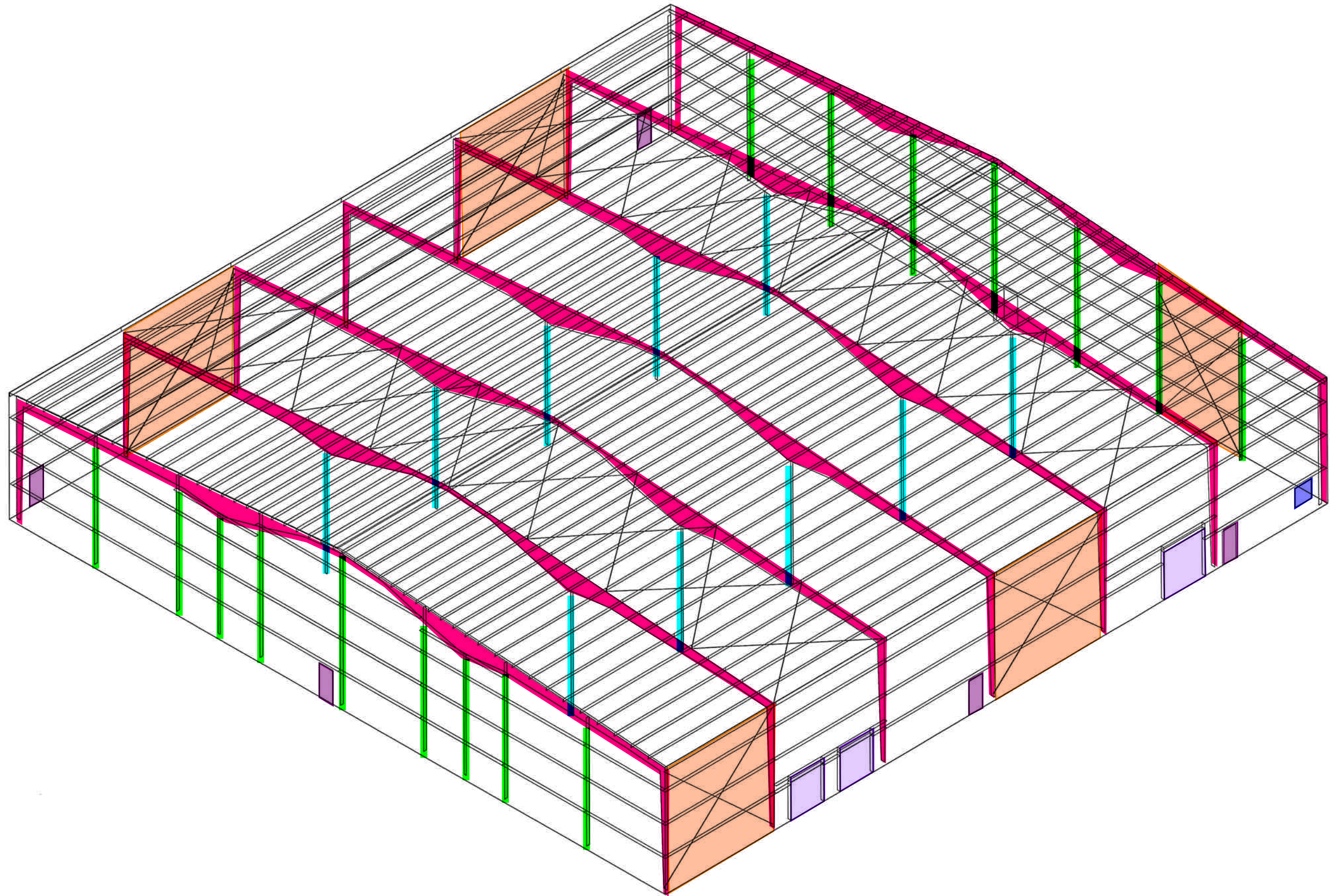


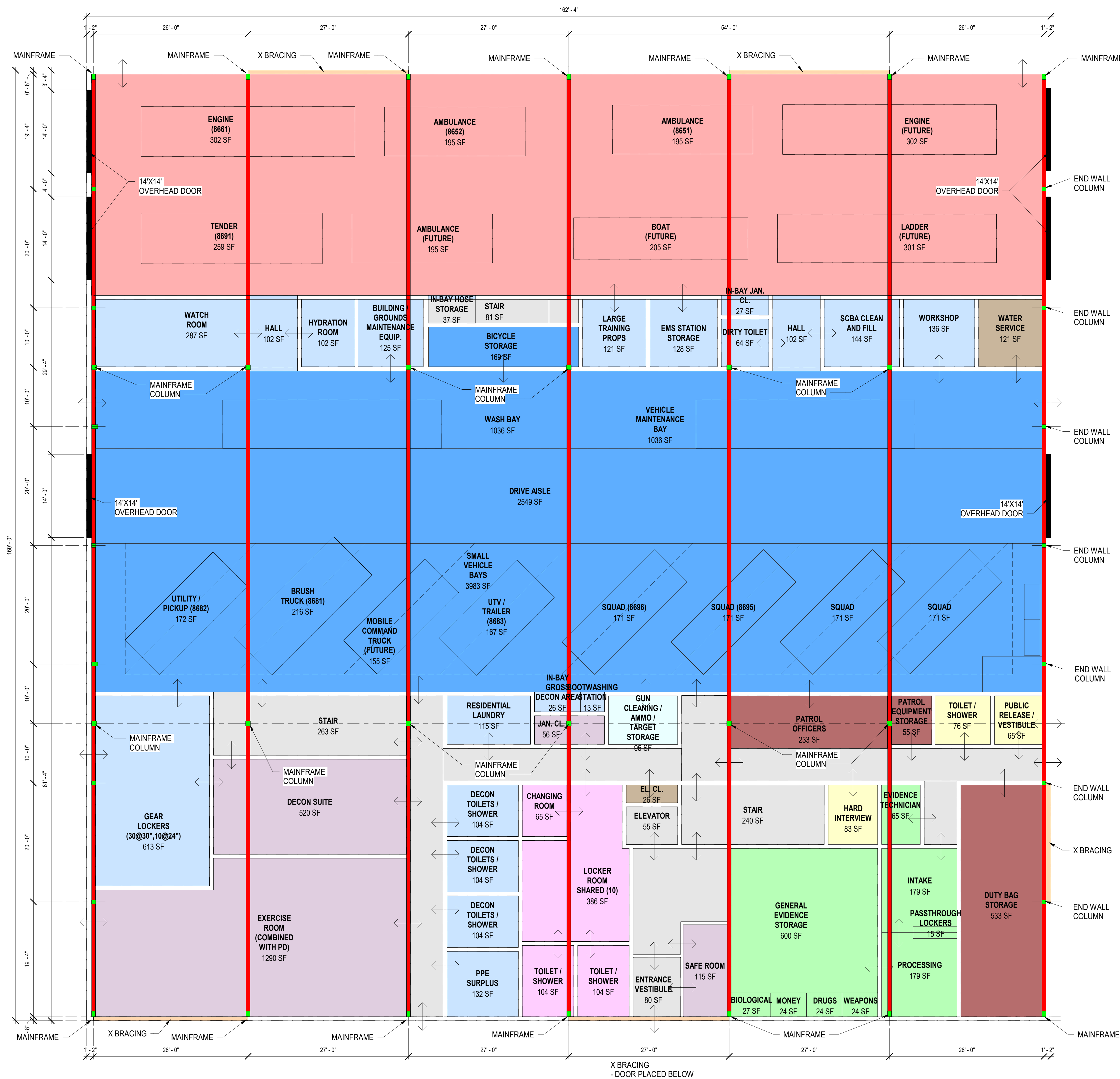
WEST SIDEWALL LINER SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. RR – Polar White
 (As Viewed From Inside Of Building)

W.A.K. CONSTRUCTION SERVICES		FOREMOST BUILDINGS, INC.	
PROJECT	Malteurop North America	SIDEWALL LINER SHEETING	
ID	2404	DESIGN: JK	DRAFT: JW CHECK:
PROJECT ADDRESS	500 W. 3rd STREET Winona, MN, 55987	DATE: 5/22/23	SHEET: 9C OF 10
		DO NOT SCALE DRAWING ISSUE: 1	







BUILDING SQFT TOTALS	
FIRST FLOOR OVERALL	= 25,975 SF
SECOND FLOOR OVERALL	= 13,040 SF
MECHANICAL MEZZANINE	= 2,070 SF
BUILDING TOTAL	= 41,085 SF

1 CONCEPT 2 - FIRST FLOOR
SCALE: 1/8" = 1'-0"

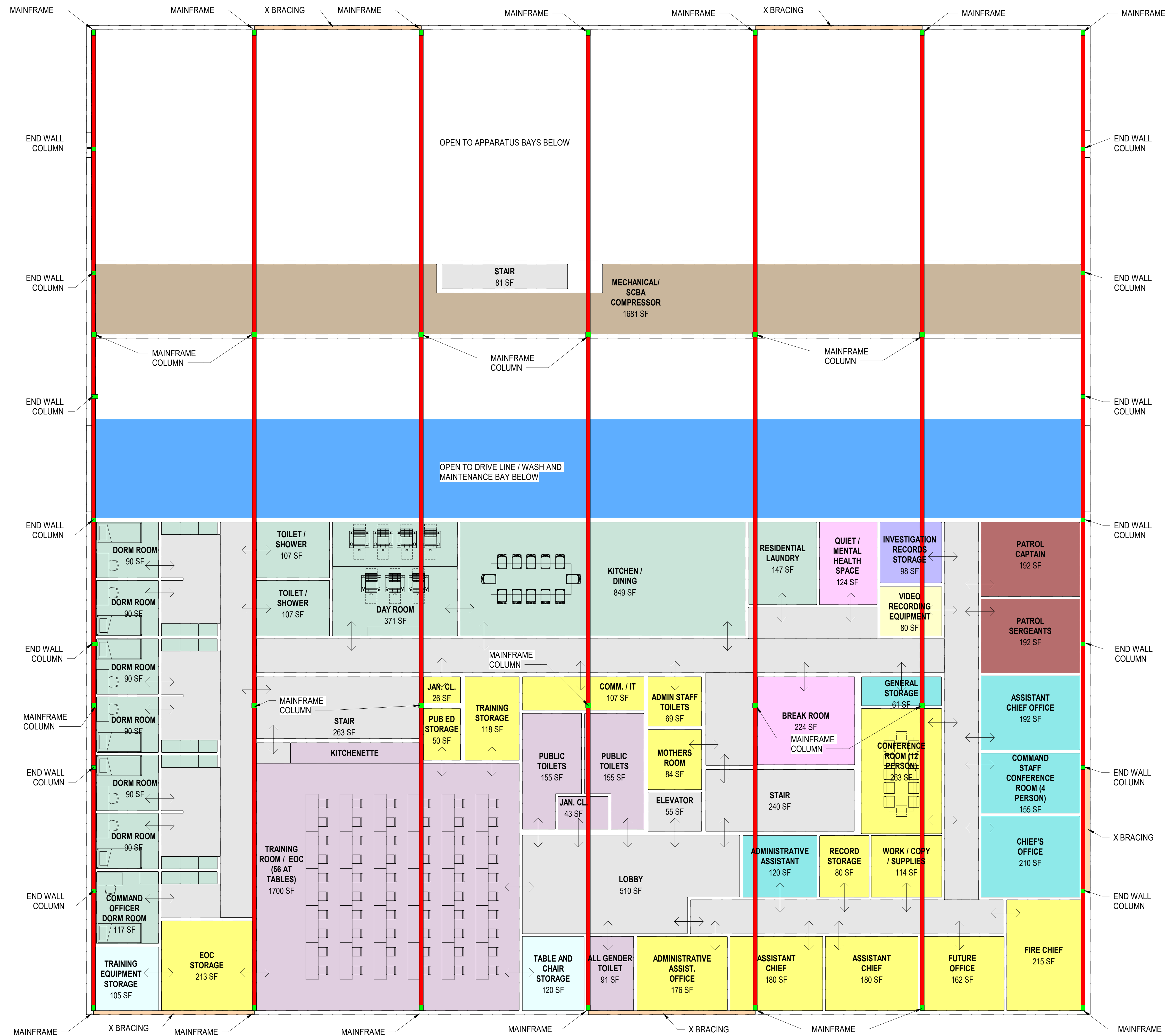
PALMYRA PUBLIC SAFETY BUILDING

CONCEPTS

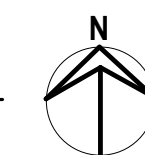
PALMYRA, WI, 53156

PROJECT NUMBER: 653601





2 CONCEPT 2 - MEZZANINE / SECOND FLOOR
SCALE: 1/8" = 1'-0"

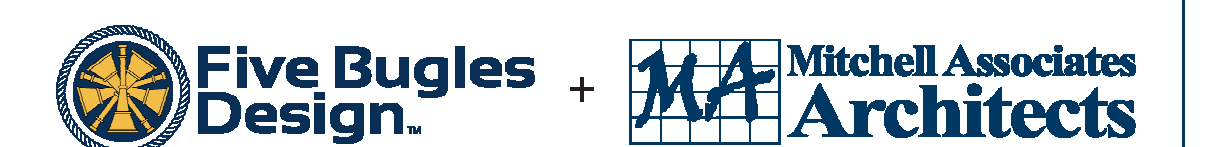


PALMYRA PUBLIC SAFETY BUILDING

CONCEPTS

PALMYRA, WI, 53156

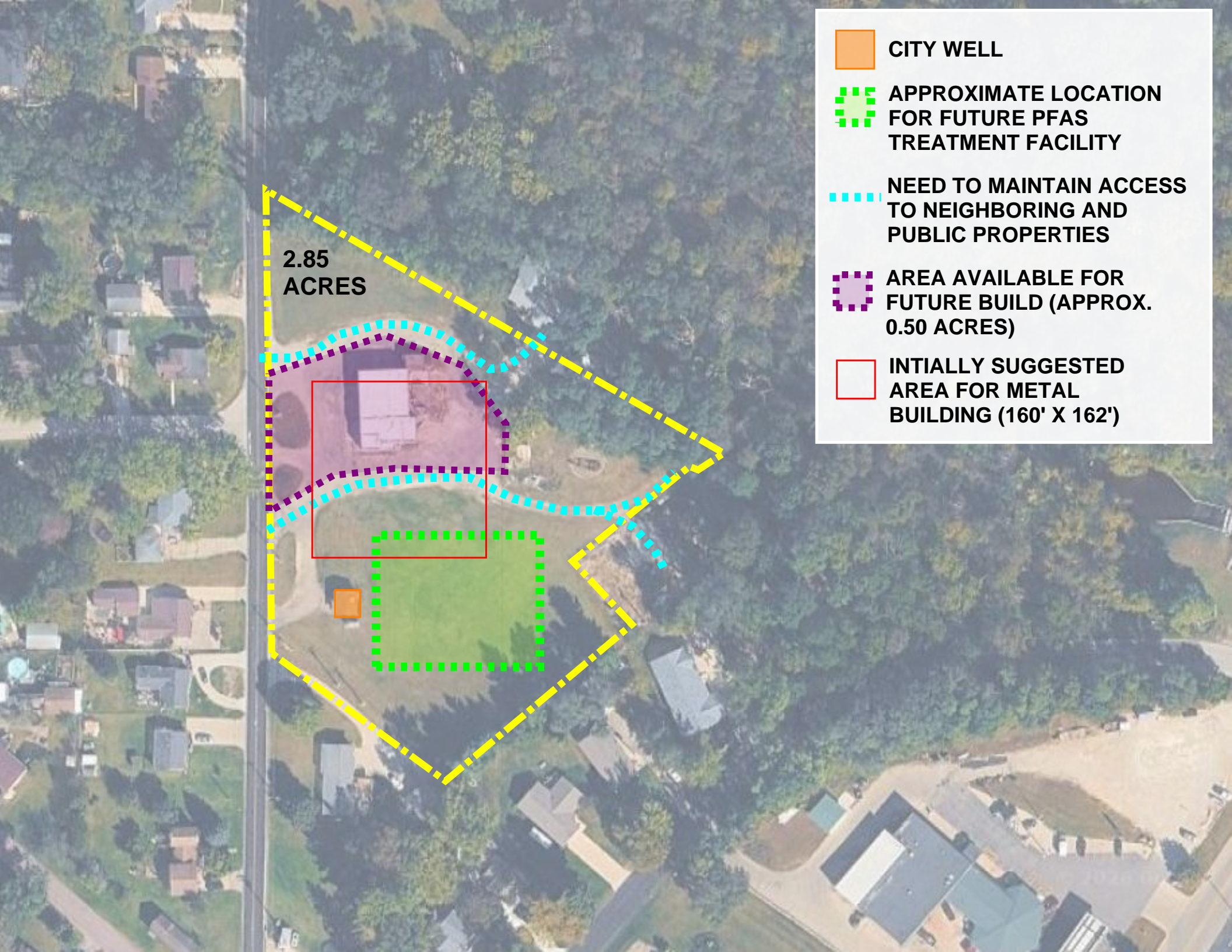
PROJECT NUMBER: 653601





APPENDIX E

SITE CONSIDERATIONS



2.85
ACRES



CITY WELL



**APPROXIMATE LOCATION
FOR FUTURE PFAS
TREATMENT FACILITY**



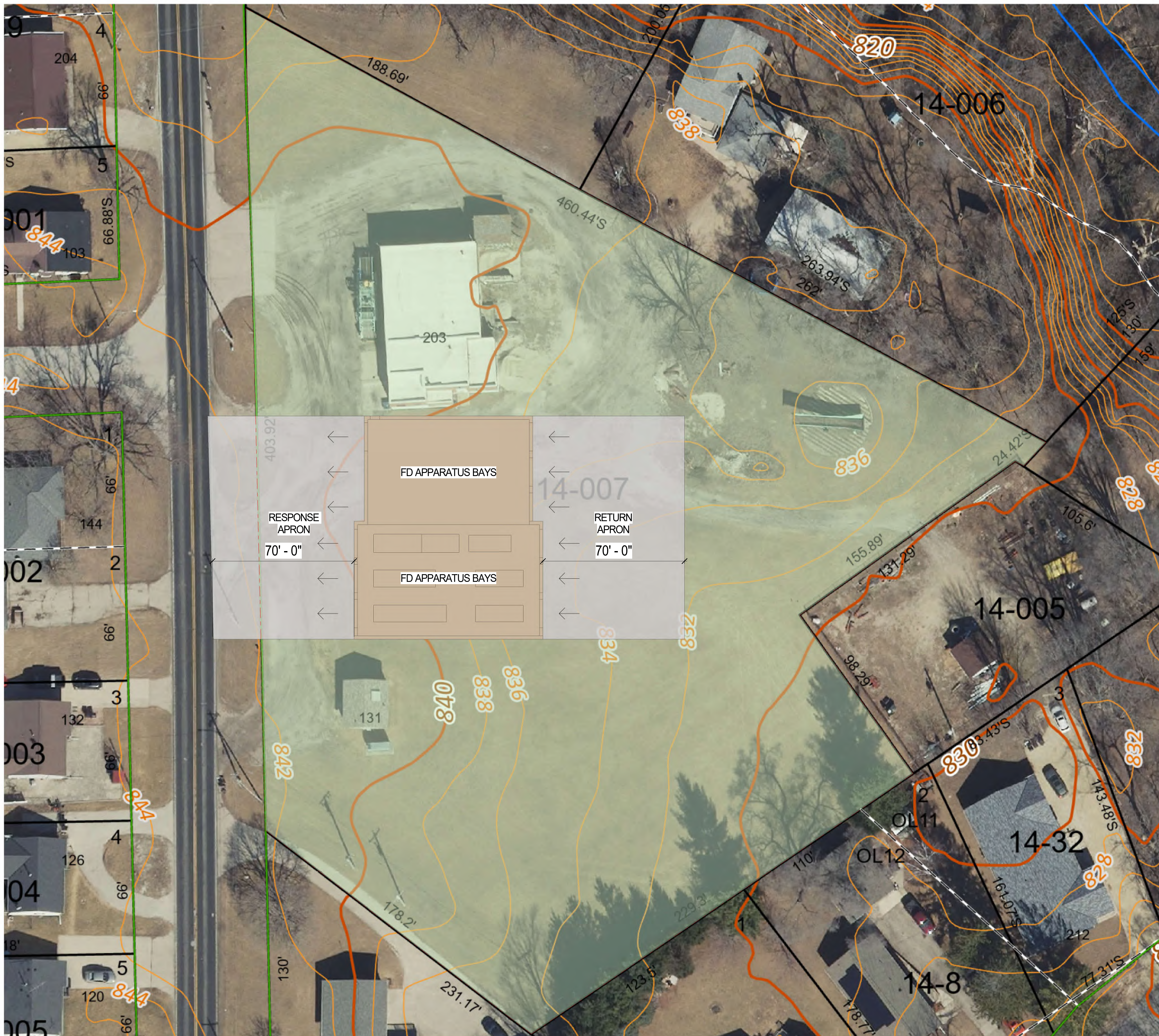
**NEED TO MAINTAIN ACCESS
TO NEIGHBORING AND
PUBLIC PROPERTIES**



**AREA AVAILABLE FOR
FUTURE BUILD (APPROX.
0.50 ACRES)**



**INITIALLY SUGGESTED
AREA FOR METAL
BUILDING (160' X 162')**



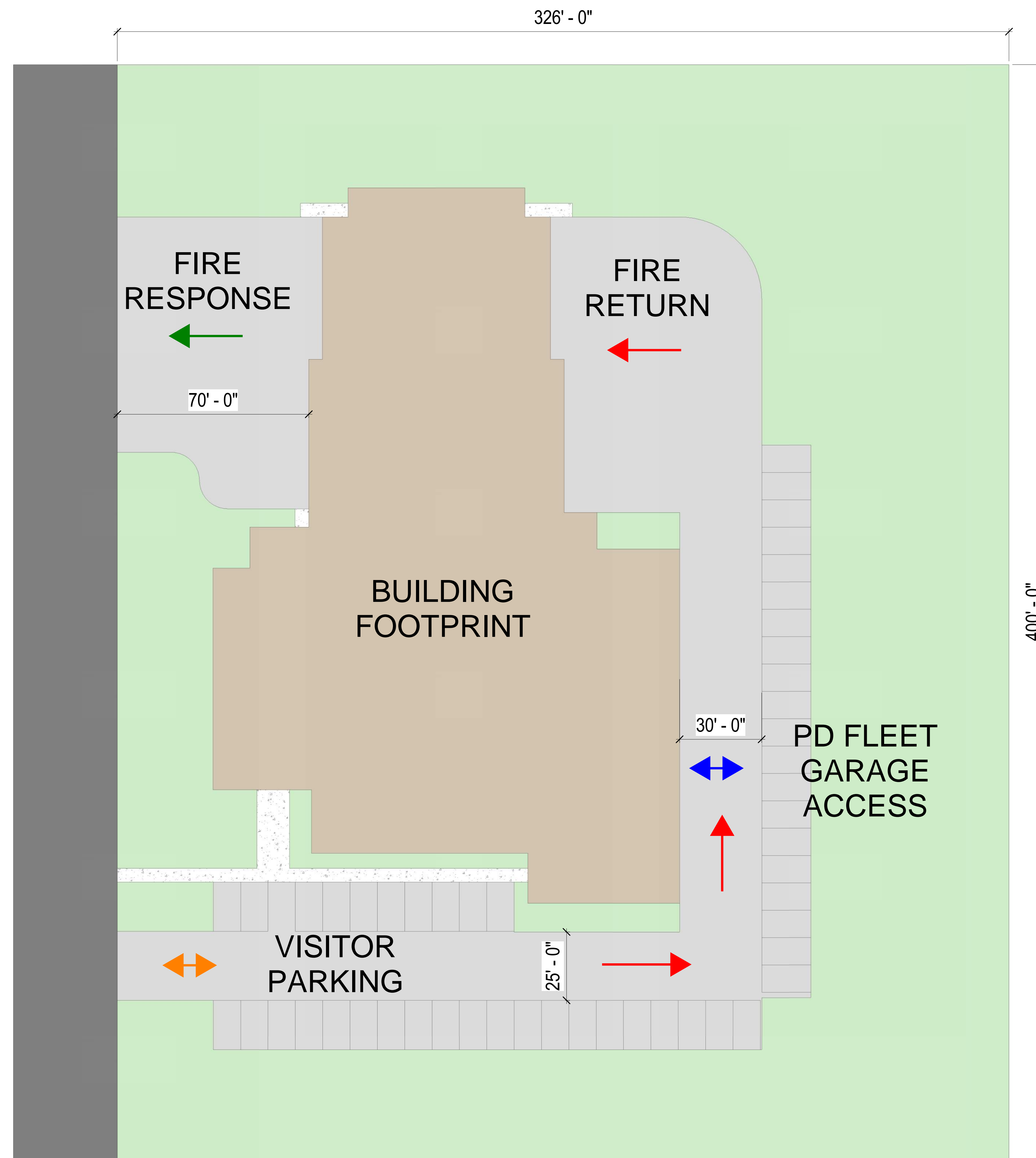
1 CONCEPT 1 - SITE PLAN BAYS
SCALE: 1" = 20'-0"

PALMYRA PUBLIC SAFETY BUILDING

CONCEPTS

PALMYRA, WI, 53156

PROJECT NUMBER: 653601



PALMYRA PUBLIC SAFETY BUILDING

CONCEPTS

PALMYRA, WI, 53156

PROJECT NUMBER: 653601