

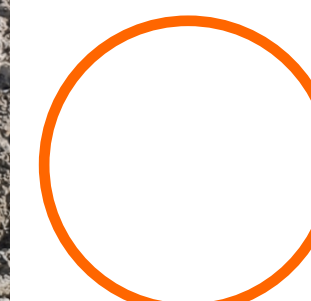
Decatur Police Department Training Facility

LOCATED AT: 34.621223, -87.089375; 4154 State Hwy 20, Trinity, AL 35673



Decatur Police Department Training Facility

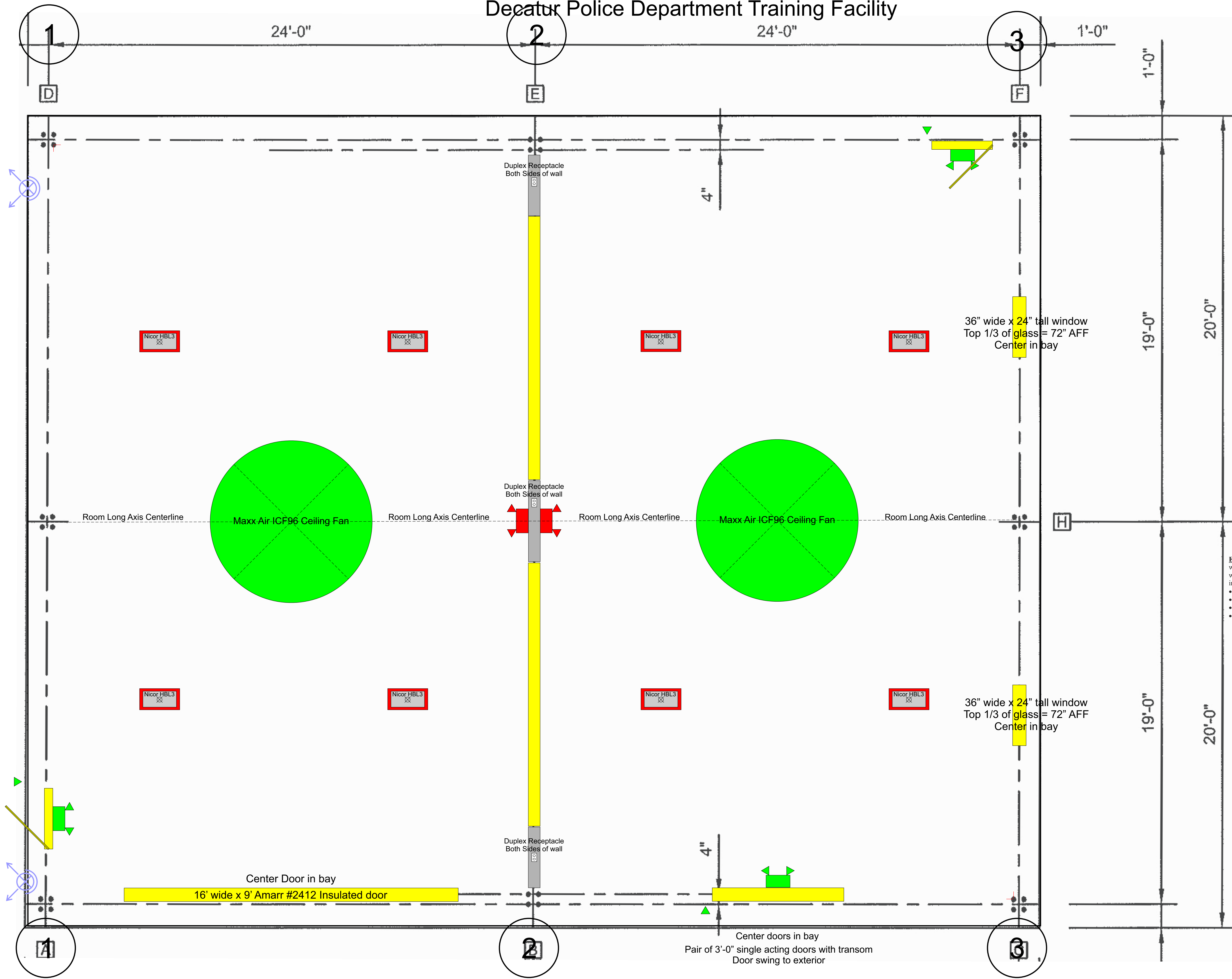
LOCATED AT: 34.621223, -87.089375; 4154 State Hwy 20, Trinity, AL 35673



The roof of the existing restroom building will conflict with new enclosing wall. Restroom building roof should be shortened to accommodate new wall. Provide new roof for existing restroom bldg. Flash restroom building to new enclosing wall. Provide new gutters for existing restroom building.



Decatur Police Department Training Facility



Steel Doors: Provide 30" egress doors. Egress doors must have interior exit sign with emergency illumination. The exterior side of egress doors must have emergency illumination. Provide new concrete landings at EAST door. Landing shall have minimum width of the door and 48" in the travel distance. Landing shall be sloped 1/4"/foot away from door for drainage. Provide accessible hardware for all doors.

- 1-3/4" thick insulated flush panel insulated metal door with hinge and closer reinforcement, and flush top and bottom channel.
- 3 Butt Hinges
- 3 Silencers
- 1 dead bolt. Key outside only, thumb interior. With plate.
- All locks keyed the same.
- Weatherstripping for exterior use.
- Surface mounted closer.
- Lever handle hardware.

1/2 door window glass in all doors.
Steel door face skins shall be minimum 18 gauge.



Store Front Entrance Door: Center Entrance Door in bay. Similar to Kawneer Series 350, double 30" doors, single acting. With Transom. Deadbolt - all locks keyed the same. Surface mounted closer. Weatherstripping for exterior use. Push/Pull bars. Flush bolts in the inactive leaf. U-factor and glazing to 2009 International Energy Conservation Code.

Exterior Garage Door: 16' wide x 9' Amarr #2412 Insulated door. 16' wide x 9' Amarr #2412 Insulated commercial door with NO vision lights, with follow the roof-line track, with a Liftmaster ATSW motor with two remotes and keyless entry, installed (jobsite check verifying follow roofline will work).

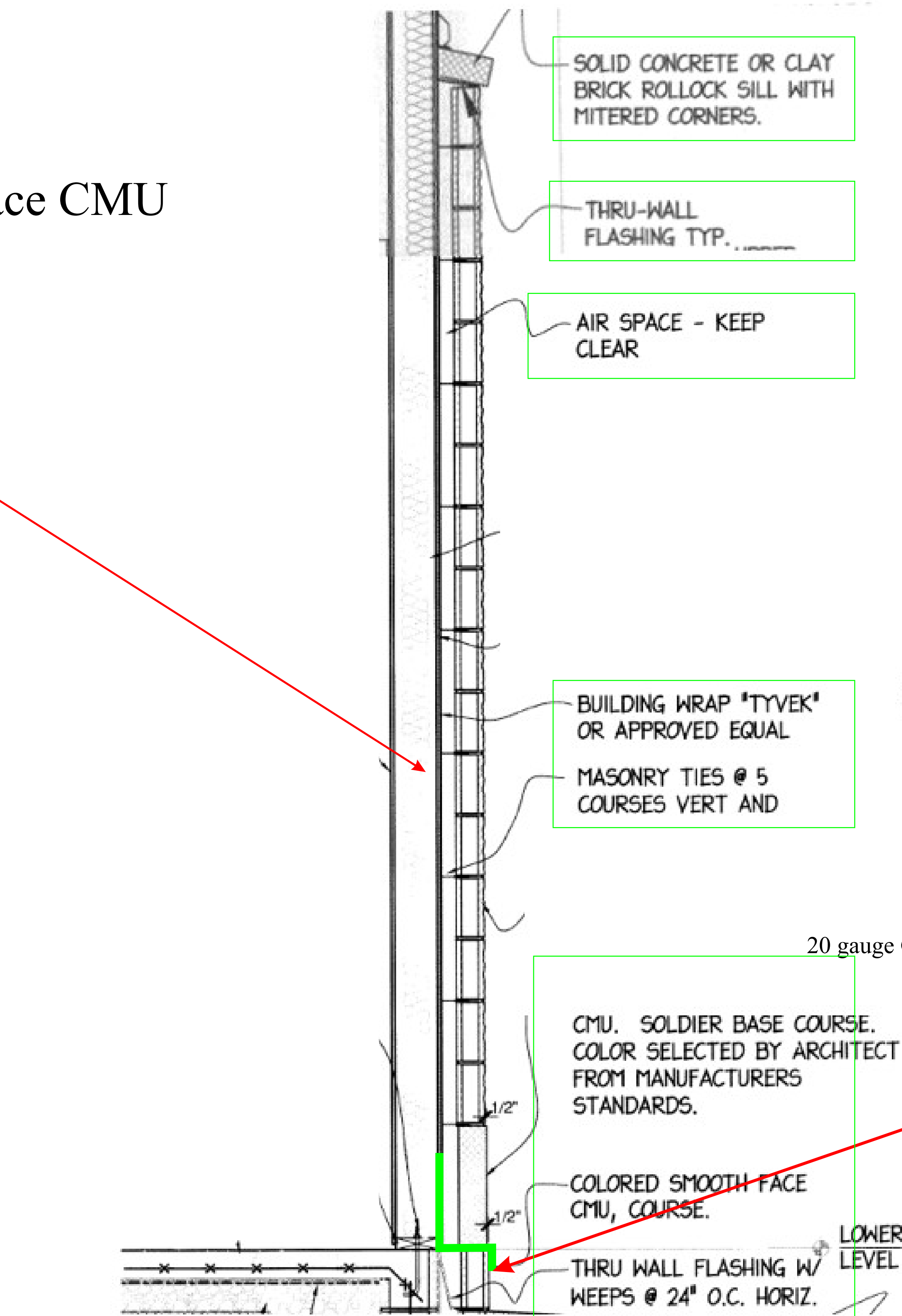
- Extra heavy duty 2" ribbed panel steel sectional door.
- Exterior 20-gauge, Color: White
- Vinyl-Coated Polystyrene insulation, R-7.0.
- Equal products accepted with owner approved cut-sheets.

Windows: 1" insulated tinted glass in bronze anodized aluminum frames. Storefront vendor.

Decatur Police Department Training Facility FOR PEMB FRAMED EXTERIOR WALLS

Alternate #2: 4" Split-face CMU

R-13 PEMB Insulation

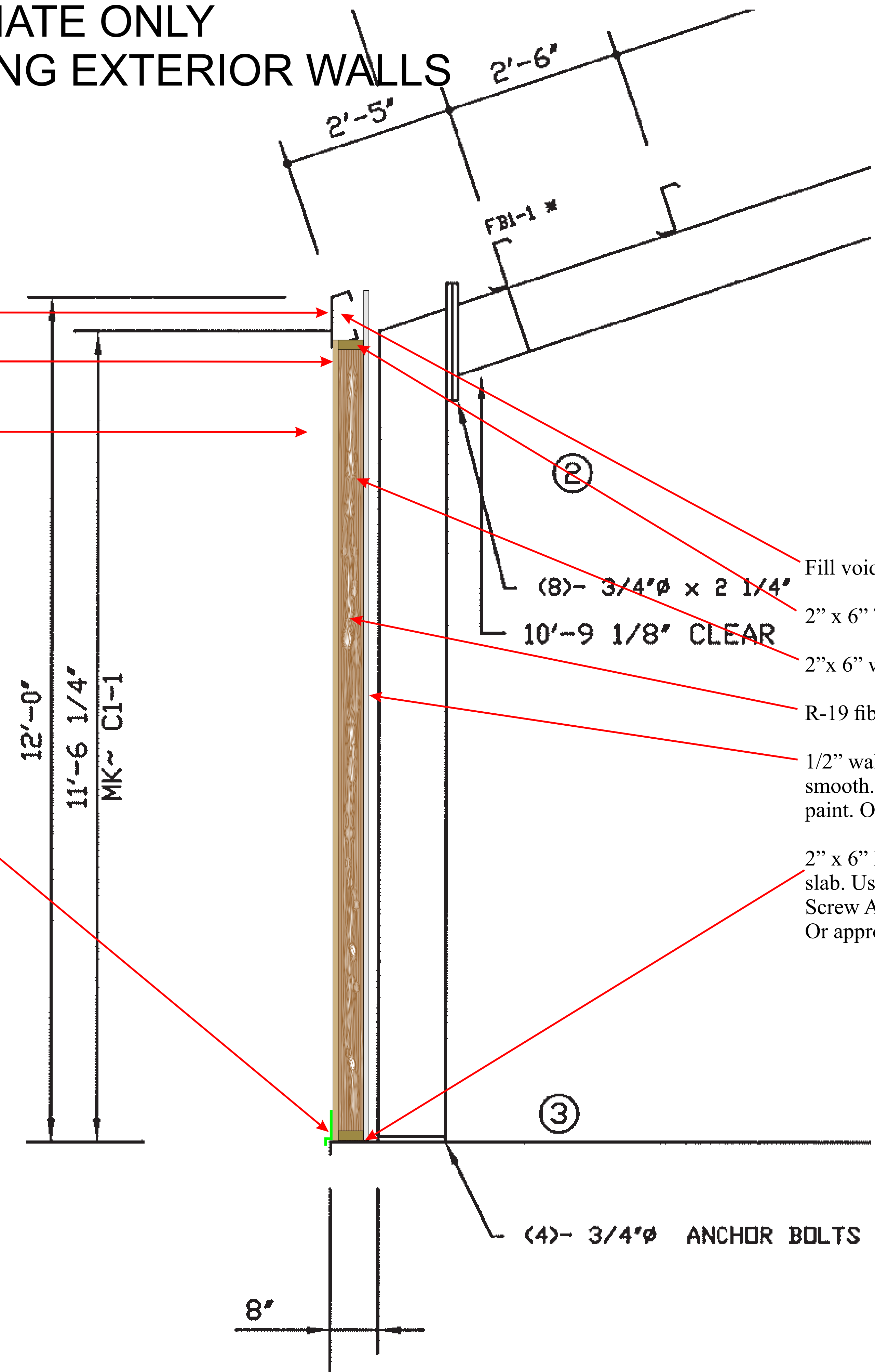


Decatur Police Department Training Facility ALTERNATE ONLY FOR WOOD FRAMING EXTERIOR WALLS

2

Shown is column line #2 - see PEMB plans

- Attach top plate to eave strut - not angle trim.
- 1/2" plywood. Cover with Tyvek or other similar perm rated house wrap. Overlap joints. Use vendor approved tape at windows, doors, and louvers.
- 12" Hardie Plank Lap Siding. Prime and two coats latex paint. Owner approved color.
- 20 gauge GALV flashing installed behind house wrap — NOTE Drop Edge at Slab.



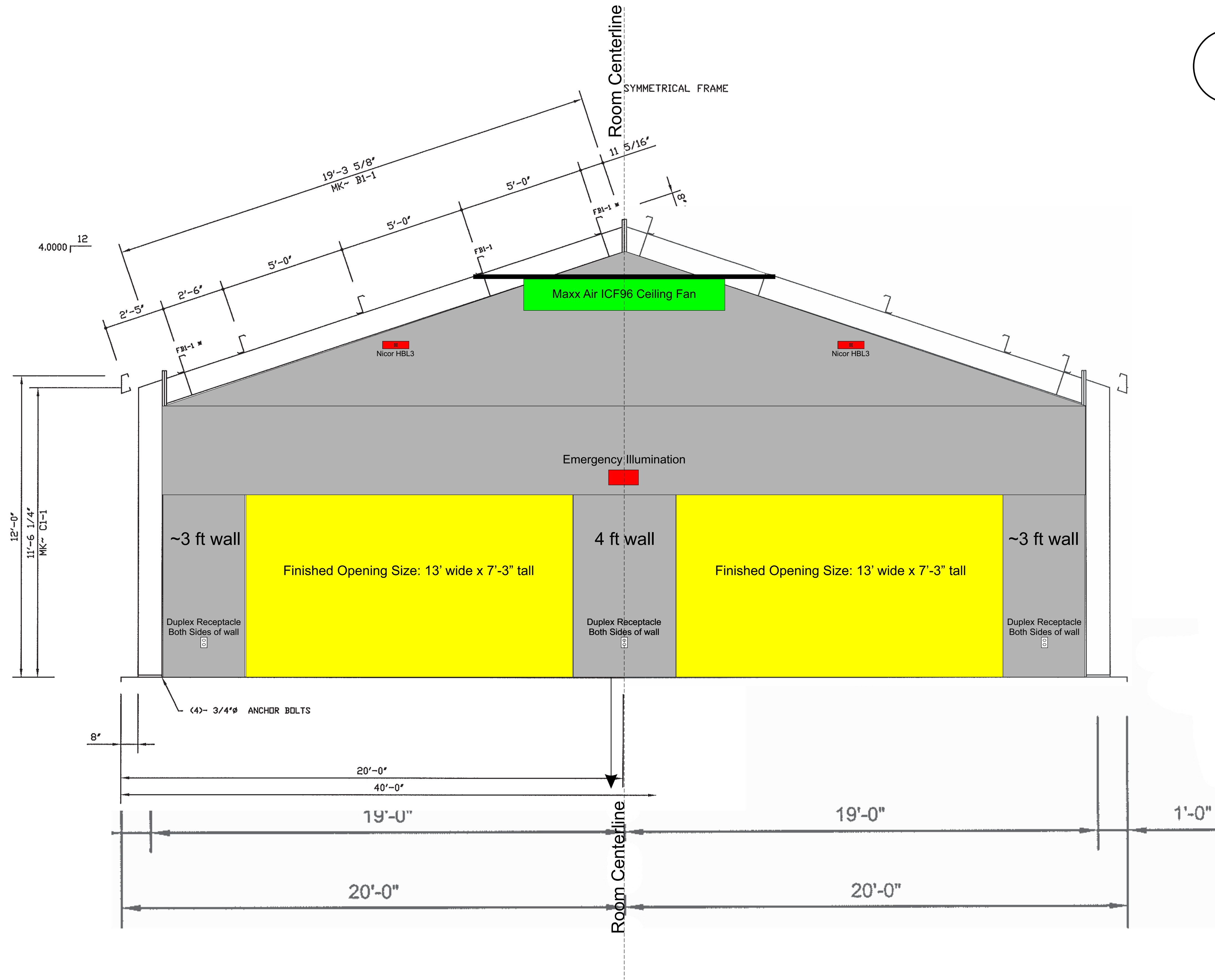
- Fill void with insulation.
- 2" x 6" Top plate fastened to eave BEAM.
- 2" x 6" wood studs on 16" centers.
- R-19 fiberglass batt insulation.
- 1/2" wall board to bottom of roof deck. Sand smooth. Prime coated and two top coats latex paint. Owner selected color.
- 2" x 6" Pressure treated sill plate. Gasket to slab. Use Simpson Titen HD Heavy Duty Screw Anchor on Code spacing. Or approved equal anchor.

(4)- 3/4"Ø ANCHOR BOLTS

8"

Decatur Police Department Training Facility

2 Shown is column line #2 - see PEMB plans



Interior Partition Wall at PEMB column line #2:

2" x 6" wood studs on 16" centers. Use current "Southern Pine Size Selection Tables" to size headers.

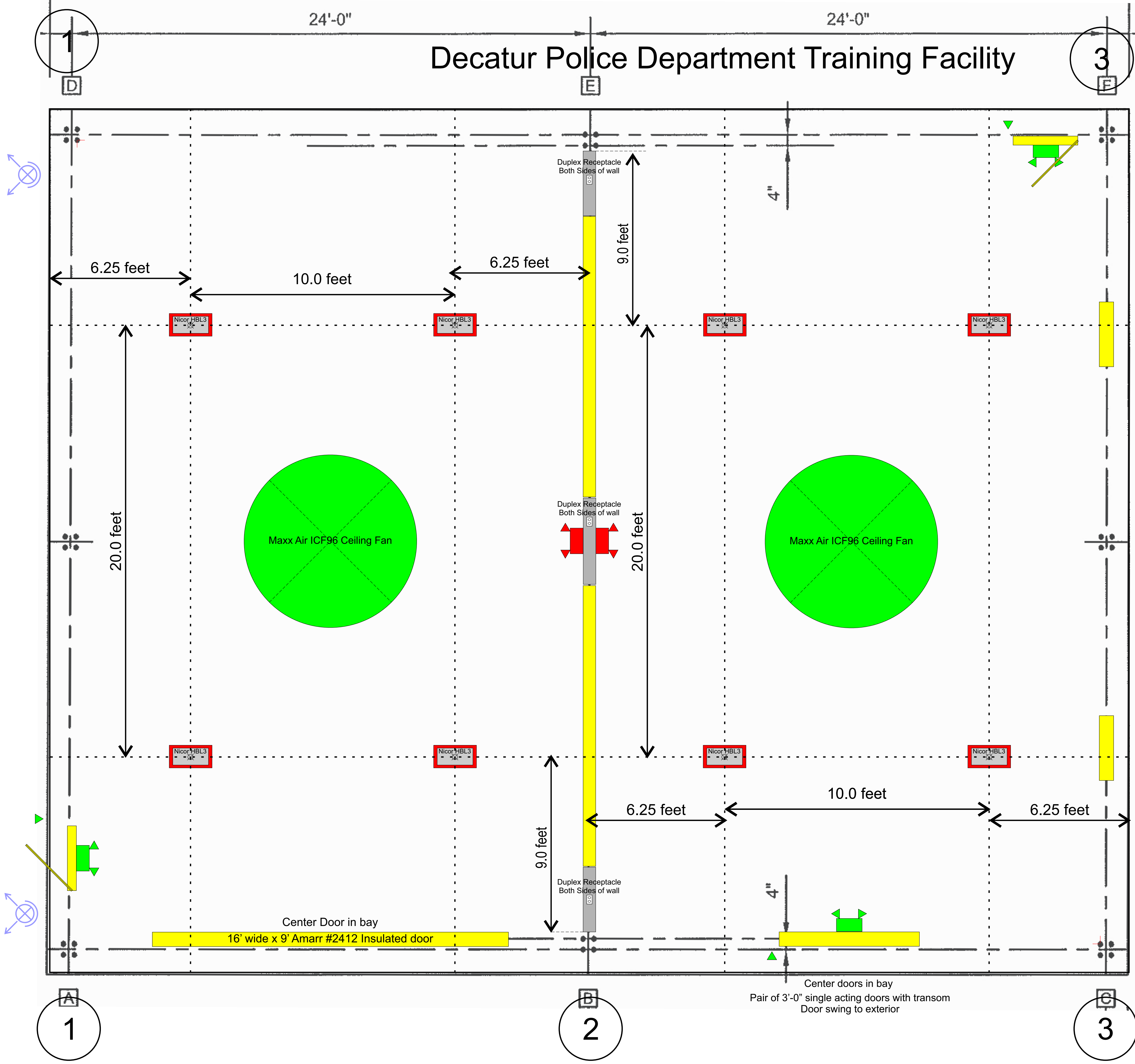
Fill cavities with unfaced R-19 batt insulation.

1/2" wall board on each side. Floor to roof deck. Tape and sand smooth. Prime and two top coats of latex paint. Owner selected color.

2" x 6" Pressure treated sill plate. Gasket to slab. Use Simpson Titen HD Heavy Duty Screw Anchor on Code spacing. Or approved equal anchor. Minimum two anchors at each wall section.

Opening dimensions are firm and needed for acoustic wall panels.

Decatur Police Department Training Facility



Lighting Fixtures:
 Provide equal to Nicor HBL3 series
 Model #HBL3110UNV50K
 5000K color temperature
 >80 CRI
 Provide 0-10 volt dimmer control circuit
 Minimum of 49 foot candles at floor level
 Mounted at 12 to 15 feet above finished floor.
 Hung level by chain and strut from sloped ceiling.
 MC wiring method to fixture.
 See plans for switching.

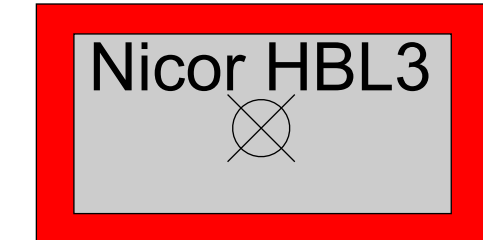
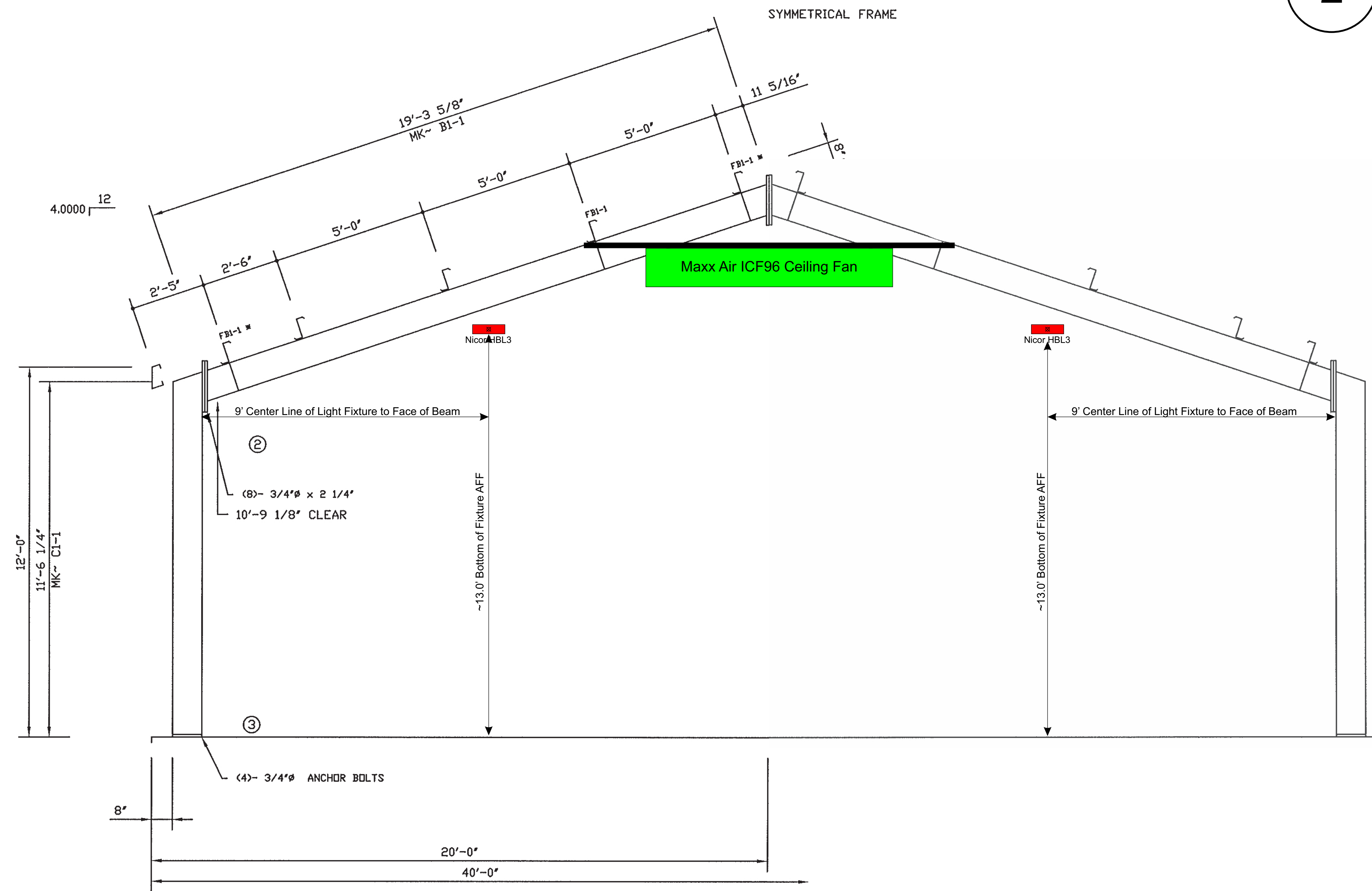
Emergency illumination only

Exit sign with emergency illumination.
 Provide exterior light.

Similar to Litelume Wallpack LL-WPL-125-50-UNV-BZ
 125 watt LED floodlight.
 Provide two fixtures facing EAST at east corners
 Snap switch controlled at East door

Decatur Police Department Training Facility

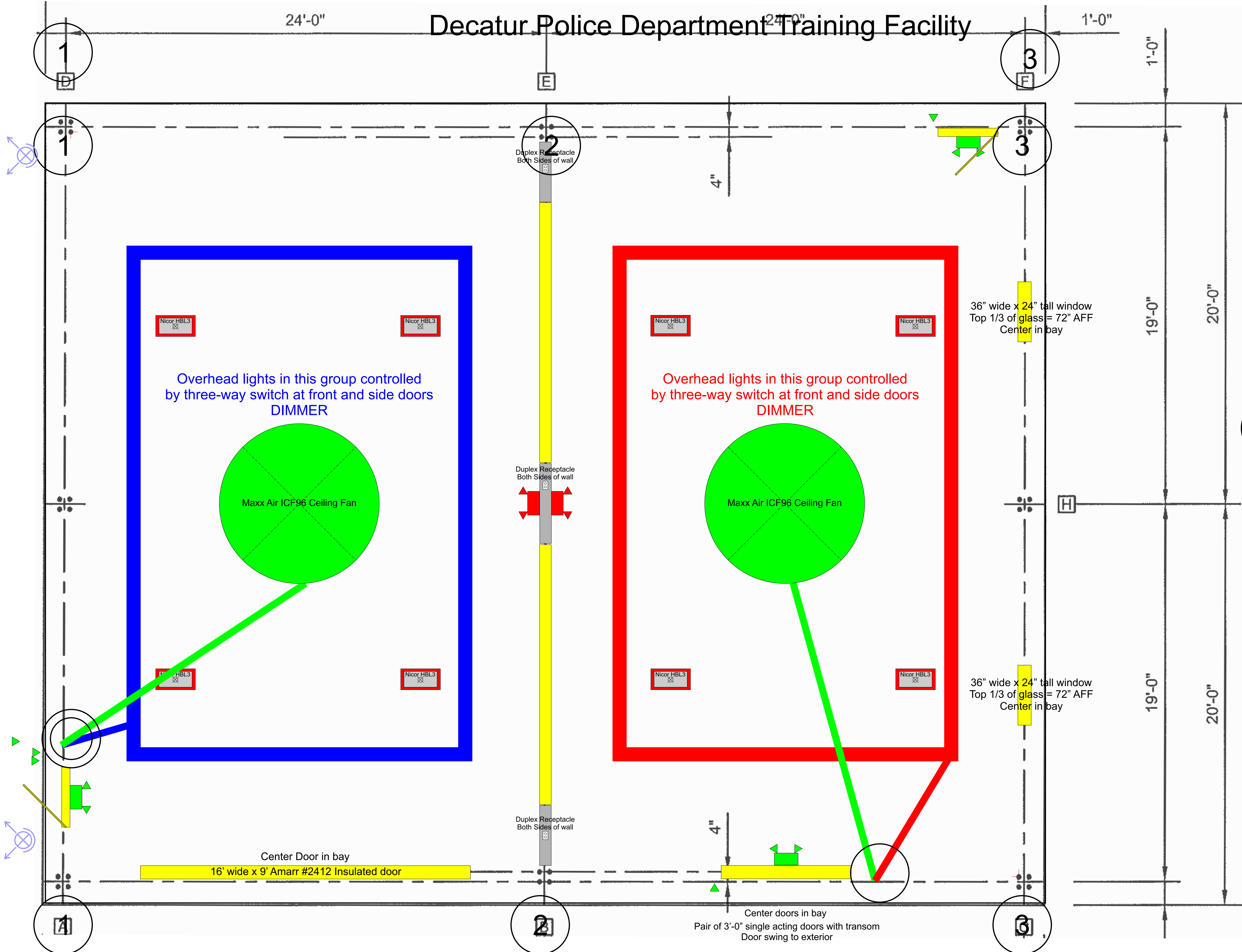
2 Shown is column line #2 - see PEMB plans



Lighting Fixtures:
 Provide equal to Nicor HBL3 series
 Model #HBL3110UNV50K, 5000K color temperature
 >80 CRI, Provide 0-10 volt dimmer control circuit
 Minimum of 49 foot candles at floor level
 Mounted at 13 feet above finished floor.
 Hung level by chain and strut from sloped ceiling.
 MC wiring method to fixture.
 See plans for switching.

2

Decatur Police Department Training Facility



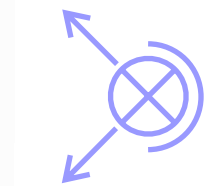
Duplex 120v receptacles every 12' along exterior wall.

Duplex 120v receptacles each side of partition wall at each wall section.

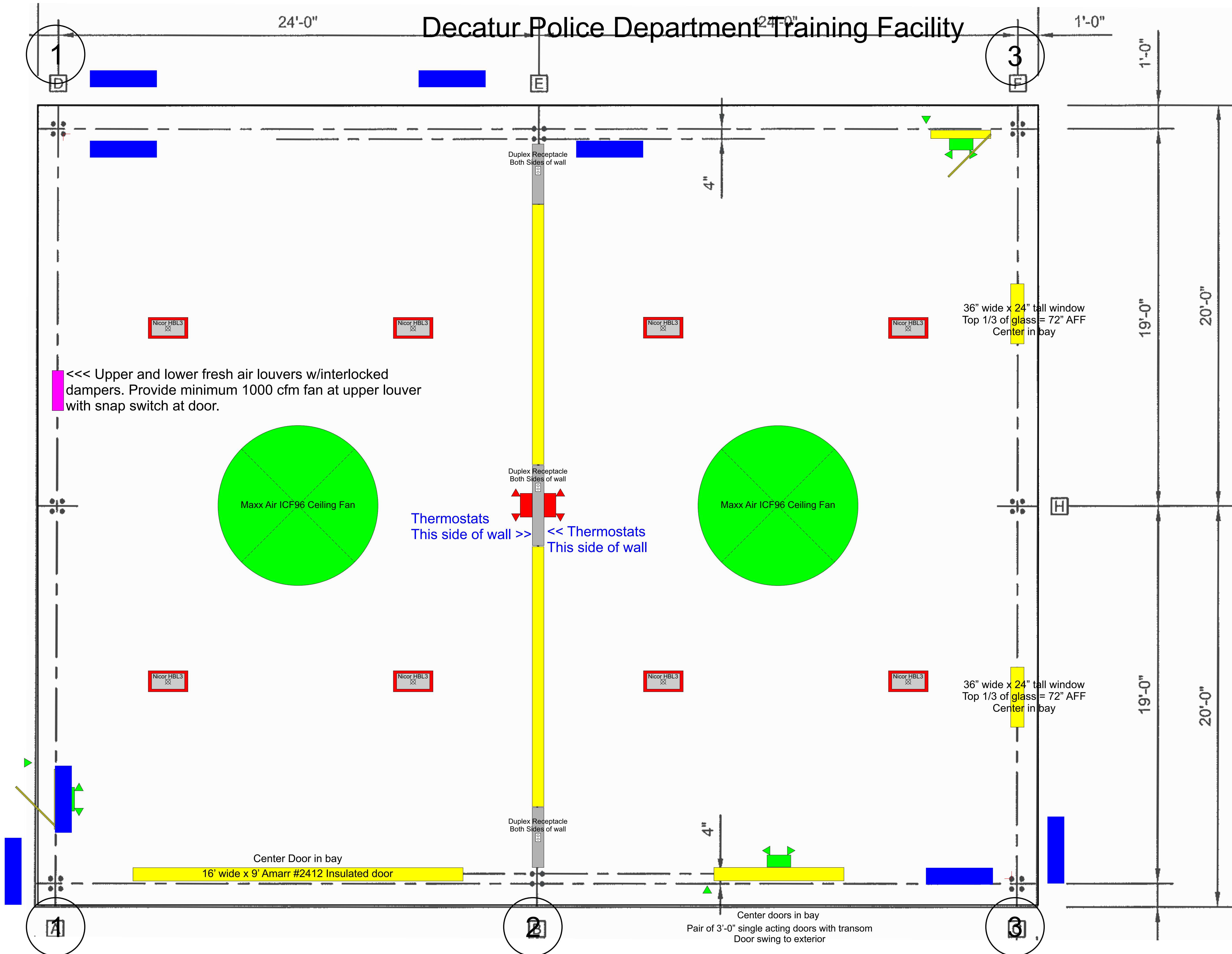
120v GFCI receptacle at each exterior compressor.

○ Snap switch location for lights and ceiling fan.

○ Snap switch location for lights, ceiling fan, and exhaust fan. Exterior Light: Litelume Wallpack LL-WPL-125-50-UNV-BZ 125 watt LED floodlight. Provide two fixtures facing EAST at east corners.



Decatur Police Department Training Facility



24,000 BTU/hr. single zone DX mini-split. Similar to Fujitsu 24RLXWH heat pump. Low temp heat pump.

120v GFCI receptacle at each exterior compressor.

Mount condensor on Code compliant concrete pad.

<<< Upper and lower fresh air louvers w/interlocked dampers. Provide minimum 1000 cfm fan at upper louver with snap switch at door. Mount exhaust fan as high as possible.

<<< Upper and lower fresh air louvers w/interlocked dampers. Provide minimum 1000 cfm fan at upper louver with snap switch at door.

Thermostats This side of wall >> << Thermostats This side of wall

Center Door in bay
16' wide x 9' Amarr #2412 Insulated door

Center doors in bay
Pair of 3'-0" single acting doors with transom
Door swing to exterior

36" wide x 24" tall window
Top 1/3 of glass = 72" AFF
Center in bay

36" wide x 24" tall window
Top 1/3 of glass = 72" AFF
Center in bay

Duplex Receptacle
Both Sides of wall

Duplex Receptacle
Both Sides of wall

Duplex Receptacle
Both Sides of wall

Maxx Air ICF96 Ceiling Fan

Maxx Air ICF96 Ceiling Fan



BIGBEE STEEL BUILDINGS, INC.

P.O. BOX 2314

MUSCLE SHOALS, ALABAMA 35662

PHONE: (256) 383-7322 or (800) 633-3378 FAX: (256) 381-9669

JOB NUMBER: 11052

CUSTOMER NAME: BUILDING CONST. ASSOCIATES, INC.

CUSTOMER LOCATION: DECATUR, AL

PROJECT NAME: NEW GUN RANGE FOR DECATUR P.D.

PROJECT LOCATION: TRINITY, AL

PROJECT DESCRIPTION:

ROOF SHEETING* / CLADDING SEAM TYPE
Bigbee Rib II 26ga 24ga
Bigbee Rib II PBR 26ga 24ga
BigbeeLok-324 24ga 22ga TripleLok QuadLok See Layout
BigbeeVR 24ga 22ga TripleLok QuadLok See Layout
Other:

WALL SHEETING* / CLADDING
Bigbee Rib II 26ga 24ga
Bigbee Rib II PBR 26ga 24ga
Bigbee Rib II RR 26ga 24ga
Other:
*Digital versions of all Bigbee Panel Profiles, Product Application Guides (including Technical Data), Installation & Seaming Guides are located on our website at www.bigbee.com/products.htm

Table with 2 columns: DWG #, NAME. Rows include AB-1 ANCHOR BOLT PLAN, AB-2 COLUMN REACTIONS, E1 ERECTION DRAWING, E2-1 FRAME CROSS SECTION, EE2-2 FRAME CROSS SECTION, PE2-3 PORTAL FRAME CROSS SECTION, DS0 THRU DS16 STANDARD SECTIONS / DETAILS.

Table with 2 columns: DWG #, NAME. Empty rows for drawing entries.

PRELIMINARY DRAWINGS (DO NOT USE FOR CONSTRUCTION)

DRAWINGS FOR APPROVAL - DATED: mm/dd/yyyy
Drawings are for APPROVAL PURPOSES ONLY. After completing the section below, please return one (1) set. This project will NOT be scheduled for delivery until an Approved set of drawings are returned to Bigbee Steel Buildings, Inc.

- No Exceptions Taken
Make Corrections Noted
Revise and Resubmit
Not Accepted See Comments

Review is only for conformance with the design concept of the Project and compliance with the information given in the Contract documents.

Reviewed By: Date:

STRUCTURAL DRAWINGS
Drawings represent the primary structural framing being used on this project and depict the final design. A final set of construction drawings will be supplied prior to and/or with delivery of the metal building, showing frame cross sections, piece marks and construction details.



FINAL CONSTRUCTION DRAWINGS
Drawings are for use in the field as construction documents.

CERTIFICATION

This is to certify that the metal building system components furnished by Bigbee Steel Buildings, Inc. are designed to comply with the following design criteria:

Governing Building Code: International Building Code, 2006.

Roof Live Load: 20 psf Frame Live Load: Reduced per Building Code
Metal Building Dead Load: Bldg Materials Collateral Load: 0 psf
Occupancy Category: II

Snow Design Criteria:
Ground Snow Load, Pg: 10.0 psf Snow Load Importance Factor, I: 1.00
Flat Roof Snow Load, Pf: 7.0 psf Snow Exposure Factor, Ce: 1.00
Thermal Factor, Ct: 1.00

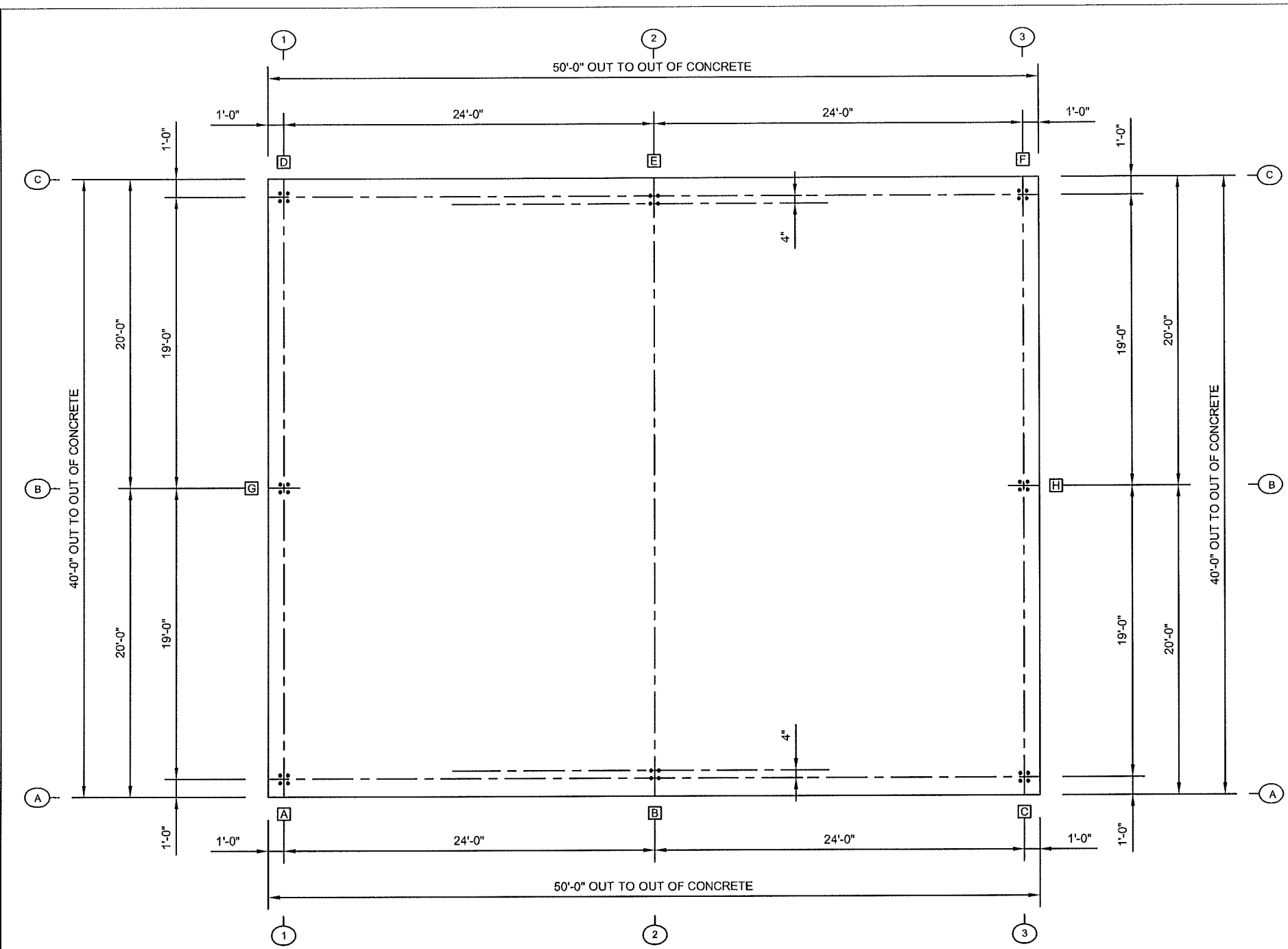
Wind Design Criteria:
Basic Wind Speed (3-sec. Peak Gust): 90 mph Wind Importance Factor, I: 1.00
Wind Exposure: B
Internal Pressure Coefficient, GCpi: ±0.18 (Enclosed)

Earthquake Design Criteria:
Seismic Importance Factor: 1.00 Lateral Seismic Force Resisting System: Ordinary Steel Moment Frame
0.2 Second Spectral Response Acceleration, Ss: 29.60 Response Modification Factor, R: 3.50
1.0 Second Spectral Response Acceleration, S1: 11.30 Deflection Amplification Factor, Cd: 3.00
Spectral Response Coefficient, Sds: 0.308 Longitudinal Seismic Force Resisting System: Ordinary Steel Concentrically Braced Frame
Spectral Response Coefficient, Sd1: 0.177 Response Modification Factor, R: 3.25
Seismic Design Category: C Deflection Amplification Factor, Cd: 3.25
Site Class: D

Design Base Shear: 1.10 kips
Seismic Response Coefficient, Cs: 0.0949
Analysis Procedure: Equivalent Lateral Force Procedure

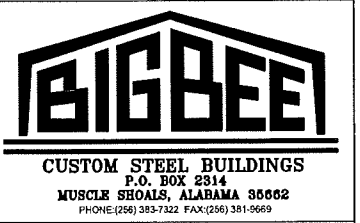
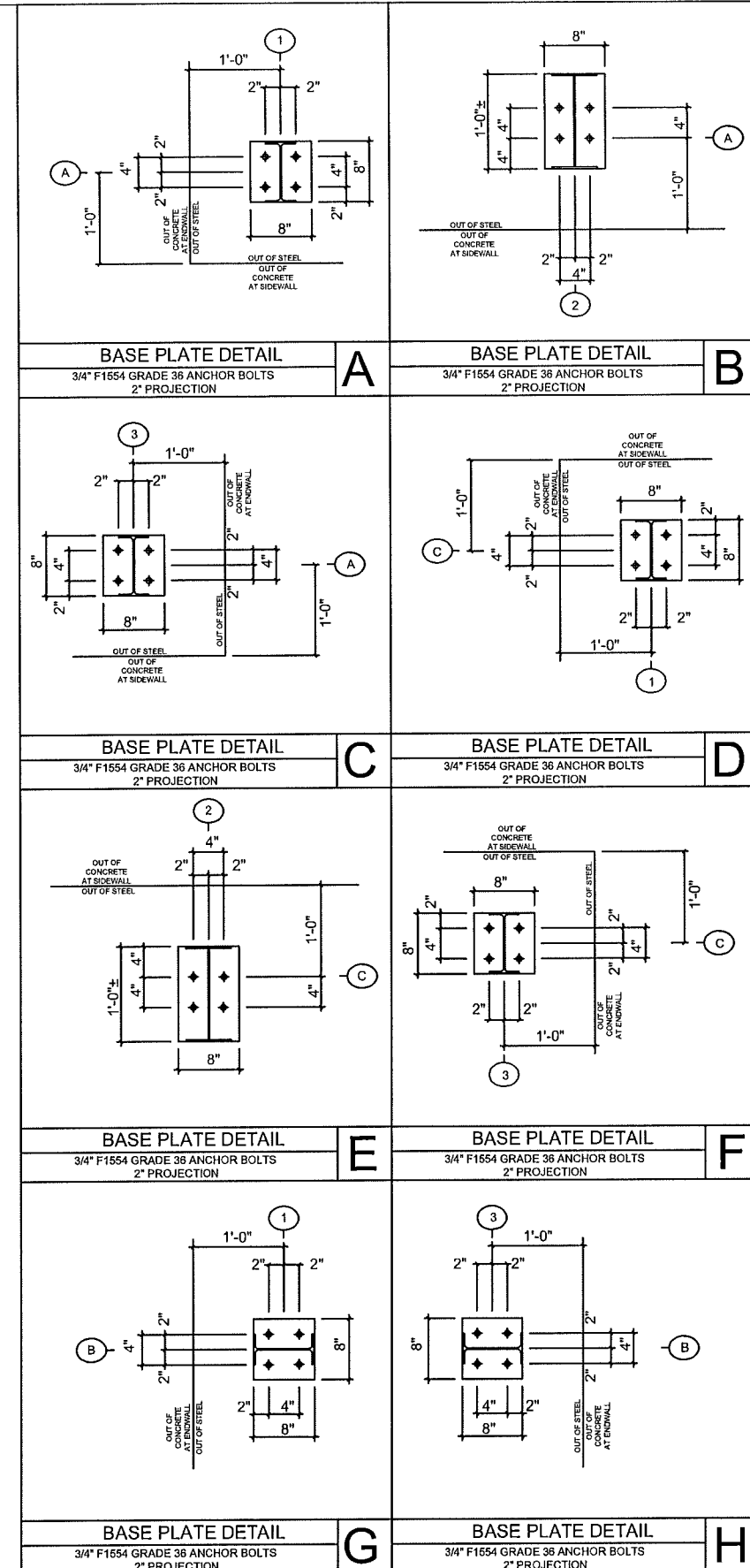
The building is designed in accordance with AISC 360.05 Specification for Structural Steel Buildings, AISC 341.05 Seismic Provisions for Structural Steel Buildings, including Supplement No. 1 dated 2006, AISI NAS-01 Standard North American Specification for the Design of Cold Formed Steel Structural Members, including 2004 Supplement, the AWS D1.1-04 Structural Welding Code-Steel and the AWS D1.3-98 Structural Welding Code-Sheet Steel.

This certification is limited to the design of the structural framing and cladding components manufactured in Bigbee Steel Buildings, Inc. facility in Muscle Shoals, Alabama. This certification specifically excludes accessory items and those items not provided by Bigbee Steel Buildings, Inc. The building should be erected on a properly designed foundation and in accordance with the metal building erection drawings. The undersigned is not the engineer of record for the overall project.



ANCHOR BOLTS			
QTY	SIZE	LENGTH	HOOK
X	1/2"Ø	10"	STD
32	3/4"Ø	1'-0"	STD
X	1"Ø	1'-6"	STD
X	1 1/8"Ø	1'-6"	STD

NOTE:
All anchor bolts are 3/4" unless noted otherwise.
Projections shown in baseplate details do not account for grout thicknesses.



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REVISIONS			
NO	DATE	BY	DESCRIPTION
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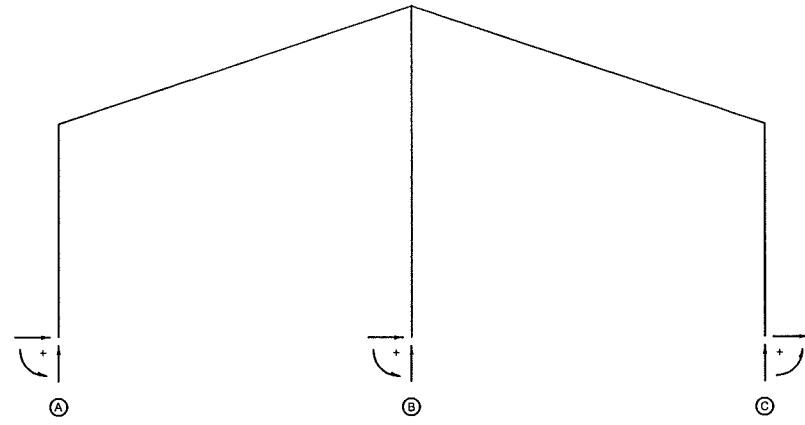
DESIGN CERTIFICATION
I, the undersigned, being a duly Licensed Professional Engineer, do hereby certify that I am the Designer of the above described work, and that I am a member in good standing of the Professional Engineering Board of the State of Alabama. My License No. is 10000. I am not providing this certification for any other project or for any other purpose. I am not providing this certification for any other project or for any other purpose. I am not providing this certification for any other project or for any other purpose.



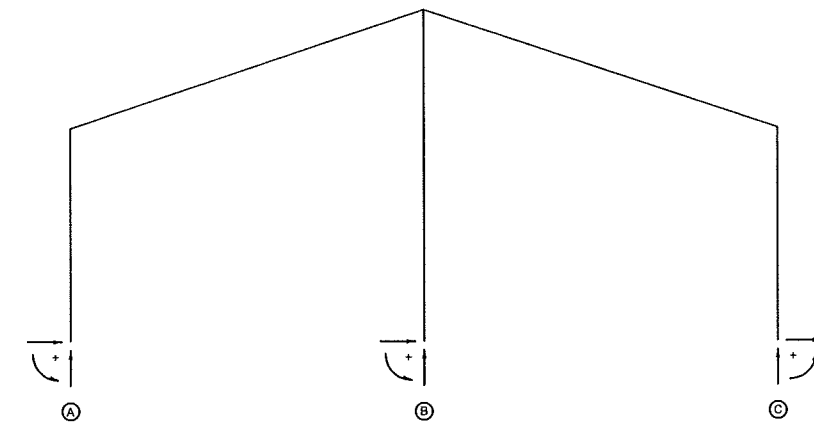
DRAWING NAME: ANCHOR BOLT LAYOUT			
CUSTOMER: BUILDING CONST. ASSOCIATES, INC. DECATUR, AL			
PROJECT: NEW GUN RANGE FOR DECATUR P.D. TRINITY, AL			
FILENAME: 11052-AB1	JOB #	11052	
DRAWN JTS	CAD JTS	DRAWING #	
CHECKED JCS	SCALE N.T.S.	AB1	
APPROVED CJT	DATE 10/26/10		



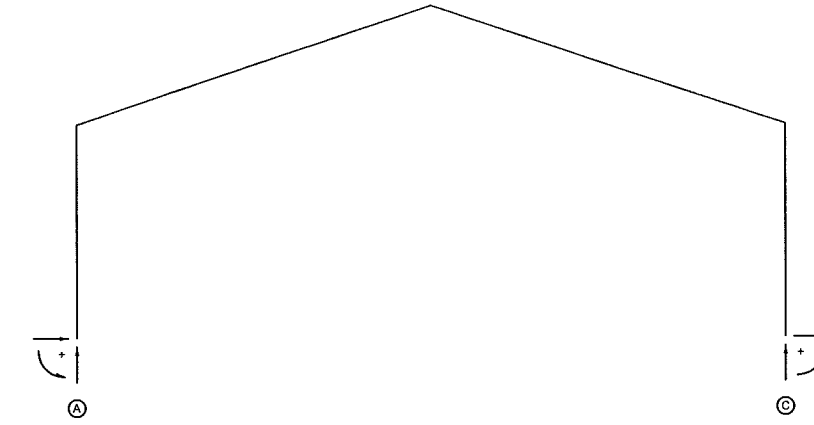
CUSTOM STEEL BUILDINGS
P.O. BOX 2314
MUSCLE SHOALS, ALABAMA 35662
PHONE: (256) 383-7322 FAX: (256) 381-9669



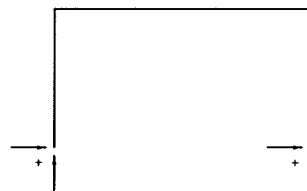
ENDWALL FRAME LINE(S): 1				
LOAD DESCRIPTION	COLUMN ROW	HORZ (Kips)	VERT (Kips)	MOMENT (K-Ft)
DL	A	0.00	0.37	0.00
DL	B	0.00	1.17	0.00
DL	C	0.00	0.37	0.00
LL	A	0.00	1.88	0.00
LL	B	0.00	6.26	0.00
LL	C	0.00	1.88	0.00
SL	A	0.00	0.69	0.00
SL	B	0.00	2.31	0.00
SL	C	0.00	0.69	0.00
WL+	A	-0.85	-1.22	0.00
WL+	B	-2.01	-4.05	0.00
WL+	C	-0.85	-1.22	0.00
WL-	A	0.94	-1.22	0.00
WL-	B	2.23	-4.05	0.00
WL-	C	0.94	-1.22	0.00
DL+LL	A	0.00	2.25	0.00
DL+LL	B	0.00	7.43	0.00
DL+LL	C	0.00	2.25	0.00
0.6DL+WL-	A	0.94	-0.99	0.00
0.6DL+WL-	B	2.23	-3.35	0.00
0.6DL+WL-	C	0.94	-0.99	0.00
DL+AL11_1	A	0.00	2.56	0.00
DL+AL11_1	B	0.00	4.30	0.00
DL+AL11_1	C	0.00	0.06	0.00
DL+AL12_2	A	0.00	0.06	0.00
DL+AL12_2	B	0.00	4.30	0.00
DL+AL12_2	C	0.00	2.56	0.00



ENDWALL FRAME LINE(S): 3				
LOAD DESCRIPTION	COLUMN ROW	HORZ (Kips)	VERT (Kips)	MOMENT (K-Ft)
DL	A	0.00	0.37	0.00
DL	B	0.00	1.17	0.00
DL	C	0.00	0.37	0.00
LL	A	0.00	1.88	0.00
LL	B	0.00	6.26	0.00
LL	C	0.00	1.88	0.00
SL	A	0.00	0.69	0.00
SL	B	0.00	2.31	0.00
SL	C	0.00	0.69	0.00
WL+	A	-0.85	-1.22	0.00
WL+	B	-2.01	-4.05	0.00
WL+	C	-0.85	-1.22	0.00
WL-	A	0.94	-1.22	0.00
WL-	B	2.23	-4.05	0.00
WL-	C	0.94	-1.22	0.00
DL+LL	A	0.00	2.25	0.00
DL+LL	B	0.00	7.43	0.00
DL+LL	C	0.00	2.25	0.00
0.6DL+WL-	A	0.94	-0.99	0.00
0.6DL+WL-	B	2.23	-3.35	0.00
0.6DL+WL-	C	0.94	-0.99	0.00
DL+AL11_1	A	0.00	2.56	0.00
DL+AL11_1	B	0.00	4.30	0.00
DL+AL11_1	C	0.00	0.06	0.00
DL+AL12_2	A	0.00	0.06	0.00
DL+AL12_2	B	0.00	4.30	0.00
DL+AL12_2	C	0.00	2.56	0.00



FRAME LINE(S): 2				
LOAD DESCRIPTION	COLUMN ROW	HORZ (Kips)	VERT (Kips)	MOMENT (K-Ft)
DL	A	0.57	1.69	0.00
DL	C	-0.57	1.69	0.00
LL	A	2.87	7.49	0.00
LL	C	-2.91	7.51	0.00
SL	A	1.67	4.37	0.00
SL	C	-1.70	4.38	0.00
WLL	A	-3.45	-6.67	0.00
WLL	C	0.44	-5.14	0.00
WLR	A	-0.44	-5.14	0.00
WLR	C	3.46	-6.67	0.00
UBL	A	1.20	1.46	0.00
UBL	C	-1.22	4.79	0.00
UBR	A	1.20	4.77	0.00
UBR	C	-1.22	1.48	0.00
WLL1	A	-0.91	-3.94	0.00
WLL1	C	0.91	-3.94	0.00
WLR1	A	0.01	-1.47	0.00
WLR1	C	-0.01	-1.47	0.00
WEW	A	-1.20	-6.71	0.00
WEW	C	1.20	-6.71	0.00
SEIL	A	-0.14	-0.10	0.00
SEIL	C	-0.14	0.10	0.00
SEIR	A	0.14	0.10	0.00
SEIR	C	0.14	-0.10	0.00
WLL2	A	-3.16	-3.89	0.00
WLL2	C	0.15	-2.36	0.00
WLR2	A	-0.15	-2.36	0.00
WLR2	C	3.17	-3.89	0.00
WLL3	A	-1.20	-6.71	0.00
WLL3	C	1.20	-6.71	0.00
WLR3	A	-0.28	-4.24	0.00
WLR3	C	0.28	-4.24	0.00
DL+LL	A	3.45	9.18	0.00
DL+LL	C	-3.48	9.20	0.00
DL+UBL	A	1.77	3.16	0.00
DL+UBL	C	-1.79	6.48	0.00
0.6DL+WLL	A	-3.11	-5.65	0.00
0.6DL+WLL	C	0.09	-4.13	0.00
0.6DL+WEW	A	-0.86	-5.70	0.00
0.6DL+WEW	C	0.86	-5.70	0.00



FRAME LINE: 1 - COLUMN ROW: A		
LOAD DESCRIPTION	HORZ (Kips)	VERT (Kips)
WLB+	-0.78	-0.31
WLB-	0.78	1.12
SEI+	-0.28	0.15
SEI-	0.28	0.66

FRAME LINE: 2 - COLUMN ROW: A		
LOAD DESCRIPTION	HORZ (Kips)	VERT (Kips)
WLB+	-0.78	1.12
WLB-	0.78	-0.31
SEI+	-0.28	0.66
SEI-	0.28	0.15

FRAME LINE: 1 - COLUMN ROW: C		
LOAD DESCRIPTION	HORZ (Kips)	VERT (Kips)
WLB+	-0.78	-0.31
WLB-	0.78	1.12
SEI+	-0.28	0.15
SEI-	0.28	0.66

FRAME LINE: 2 - COLUMN ROW: C		
LOAD DESCRIPTION	HORZ (Kips)	VERT (Kips)
WLB+	-0.78	1.12
WLB-	0.78	-0.31
SEI+	-0.28	0.66
SEI-	0.28	0.15

GENERAL NOTES

CONTRACTOR RESPONSIBILITIES:

THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION, ADEQUATE SHORING, BRACING, TIES, AND SUPPORTS SHALL BE USED TO INSURE PROPER TEMPORARY STRUCTURAL INTEGRITY DURING ALL PHASES OF CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF WORK SHOWN ON THE DRAWINGS AND VERIFICATION OF EXISTING CONDITIONS AT THE SITE. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE OWNER FOR RESOLUTION BEFORE PROCEEDING.

ALL ANCHOR BOLT SIZE, PATTERNS, AND LOCATIONS SHALL BE ACCORDING TO DRAWINGS PROVIDED BY THE BUILDING MANUFACTURER. ANCHOR BOLTS SHOULD BE ASTM F1554 GRADE 36.

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REVISIONS			
NO	DATE	BY	DESCRIPTION
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DESIGN CERTIFICATION
CERTIFICATION OF THE METAL BUILDING COMPONENTS SUPPLIED BY BIG BEE STEEL BUILDINGS, INC. IS LIMITED TO THE LOADS SPECIFIED ON THE BIG BEE STEEL BUILDINGS, INC. PURCHASE ORDER. THIS CERTIFICATION MUST BE PREPARED IN ACCORDANCE WITH THE ERECTION DRAWINGS AND EXCLUDES ITEMS NOT SUPPLIED BY BIG BEE STEEL BUILDINGS, INC. THE UNDERSIGNED IS NOT THE ENGINEER OF RECORD FOR THE OVERALL PROJECT.



COLUMN REACTIONS

CUSTOMER: **BUILDING CONST. ASSOCIATES, INC. DECATUR, AL**

PROJECT: **NEW GUN RANGE FOR DECATUR P.D. TRINITY, AL**

FILENAME: 11052-AB1 JOB #: 11052

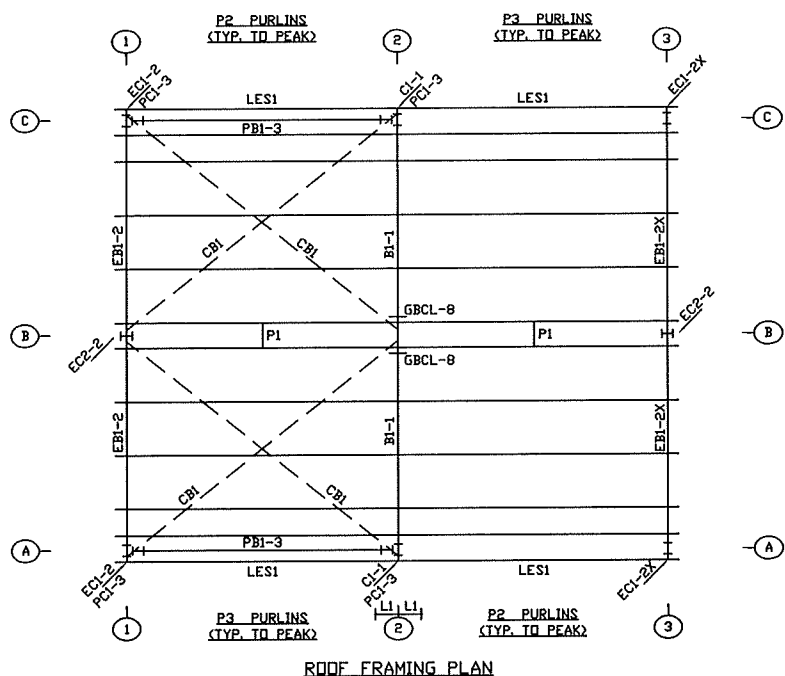
DRAWN: JTS CAD: JTS DRAWING #: AB2

CHECKED: JCS SCALE: N.T.S. DATE: 10/26/10

APPROVED: [Signature] DATE: 10/26/10



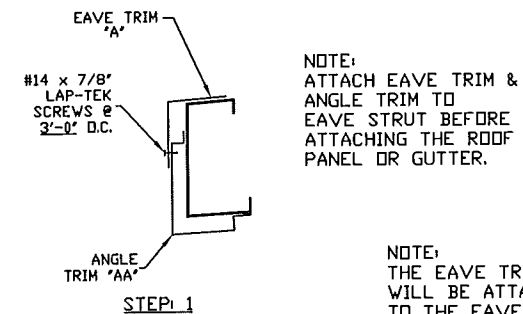
CUSTOM STEEL BUILDINGS
 P.O. BOX 2814
 MUSCLE SHOALS, ALABAMA 35662
 PHONE (256) 353-1322 FAX (256) 381-9669



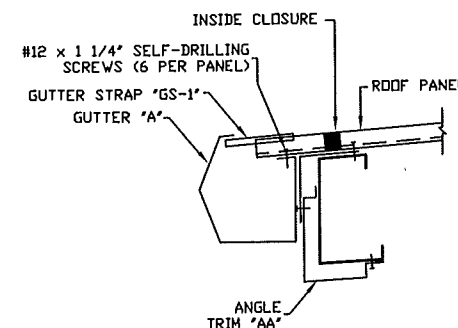
Fieldwork required to correct minor misfits by the use of drift pins to draw the components into line, shimming, moderate amounts of reaming, chipping, cutting, welding and the replacement of minor shortages of material are a normal part of erection and are not subject to claim. No part of the building may be returned for alleged misfits without the prior approval of Bigbee Steel Buildings, Inc.

DOWNSPOUT TURN BACKS ARE TO BE FIELD WORKED AS NEEDED.

BEFORE ERECTING BUILDING, REVIEW ALL ERECTION DRAWINGS AND REFER TO "D" SHEETS FOR GENERAL DETAILS AND SECTIONS.



NOTE:
 ATTACH EAVE TRIM &
 ANGLE TRIM TO
 EAVE STRUT BEFORE
 ATTACHING THE ROOF
 PANEL OR GUTTER.

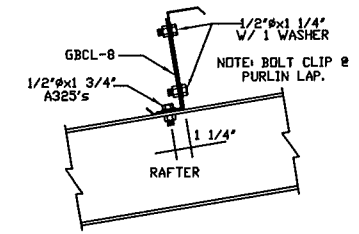
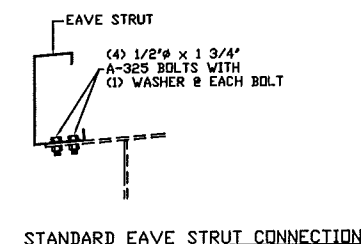
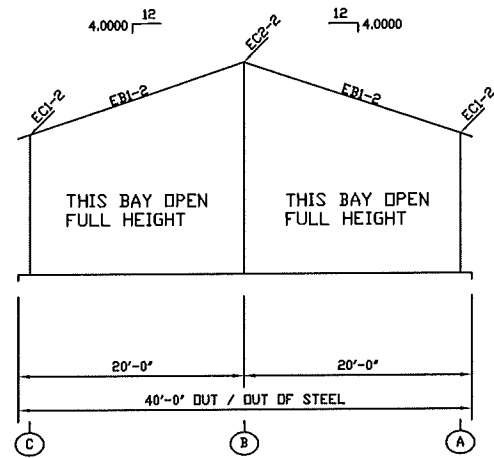
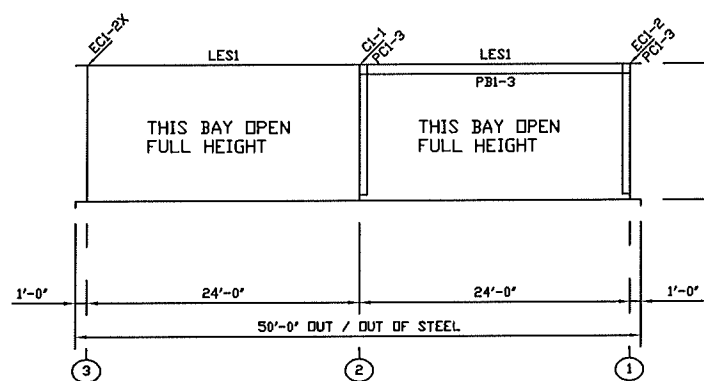
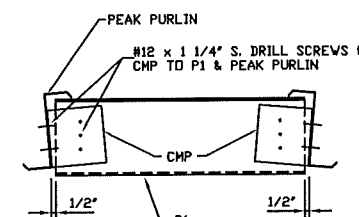
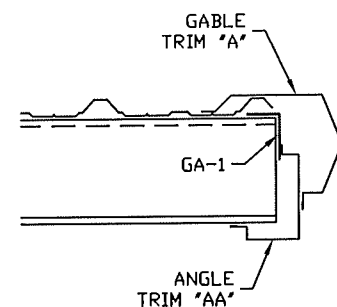
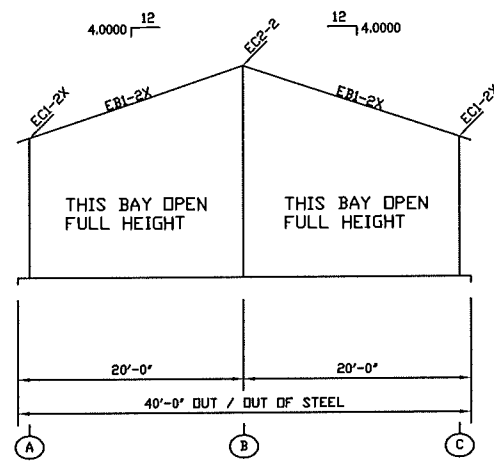
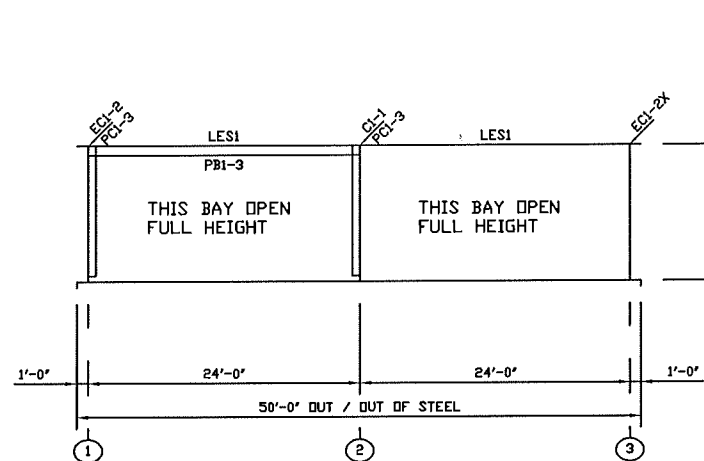


NOTE:
 THE EAVE TRIM
 WILL BE ATTACHED
 TO THE EAVE STRUT
 AT THE SAME TIME AS
 THE ROOF PANEL IS
 BEING ATTACHED TO
 THE EAVE STRUT
 USING THE SAME
 SCREWS FOR BOTH.

THE EAVE TRIM & ANGLE TRIM
 SHOULD BE ALREADY ATTACHED
 TO THE EAVE STRUT BEFORE
 STEP 2 TO ENSURE A PROPER
 INSTALLATION.

(SEE STEP 1)

STANDARD EAVE TRIM INSTALLATION

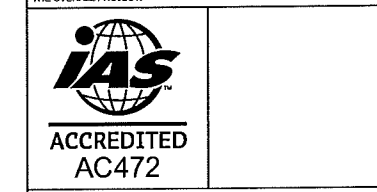


NOTE: NOT REQUIRED AT ALL PURLIN LAPS. SEE ROOF FRAMING PLAN FOR EXACT LOCATIONS

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NO	DATE	BY	DESCRIPTION
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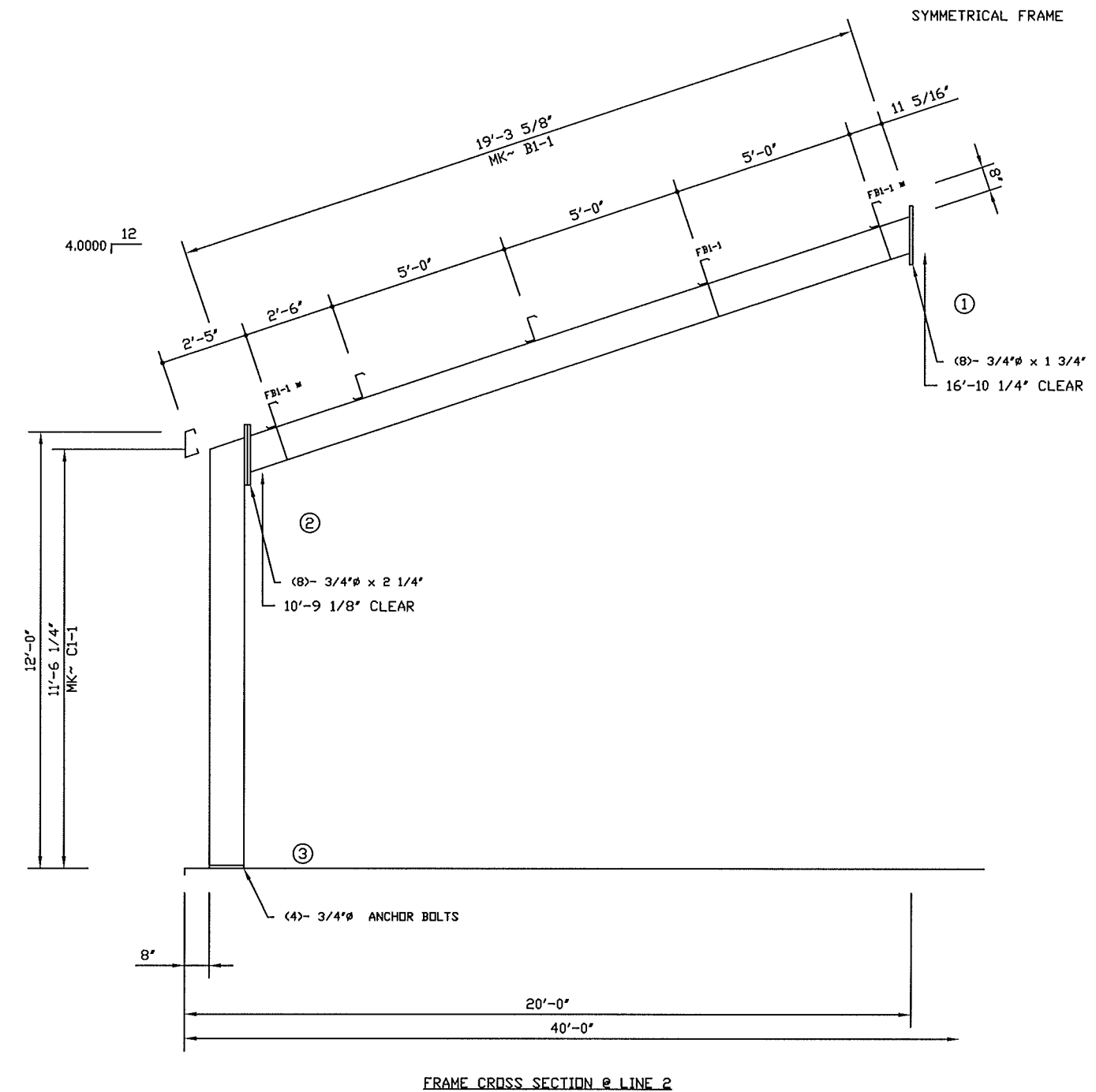
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ERECTION DRAWING			
CUSTOMER: BUILDING CONST. ASSOCIATES, INC. DECATUR, AL			
PROJECT: NEW GUN RANGE FOR P.D. TRINITY, AL			
FILENAME: 11052-E1	JOB #	11052	
DRAWN JAS	CAD JAS	DRAWING # E1	
CHECKED TMM	SCALE N.T.S.	DATE 11/6/10	
APPROVED [Signature]			



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 PHONE: (256) 383-7322 FAX: (256) 381-9669



ALL FLANGE BRACES NOTED AS 'HEAVY' ARE TO BE BOLTED WITH 1/2\"

■ - INDICATES FLANGE BRACE ON BOTH SIDES OF BEAM OR COLUMN
 ALL OTHER LOCATIONS ARE ONE SIDE ONLY

STANDARD LENGTH FLANGE BRACES				WEB DEPTHS	
MARK	POS	LENGTH	QTY PER HALF FRAME	LOCATION	DEPTH (INS)
FBI-1	B	2'-1 3/4"	5	1/3	12 12 11 1/2

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DRAWING NAME:
FRAME CROSS SECTION

CUSTOMER:
**BUILDING CONST. ASSOCIATES, INC.
 DECATUR, AL**

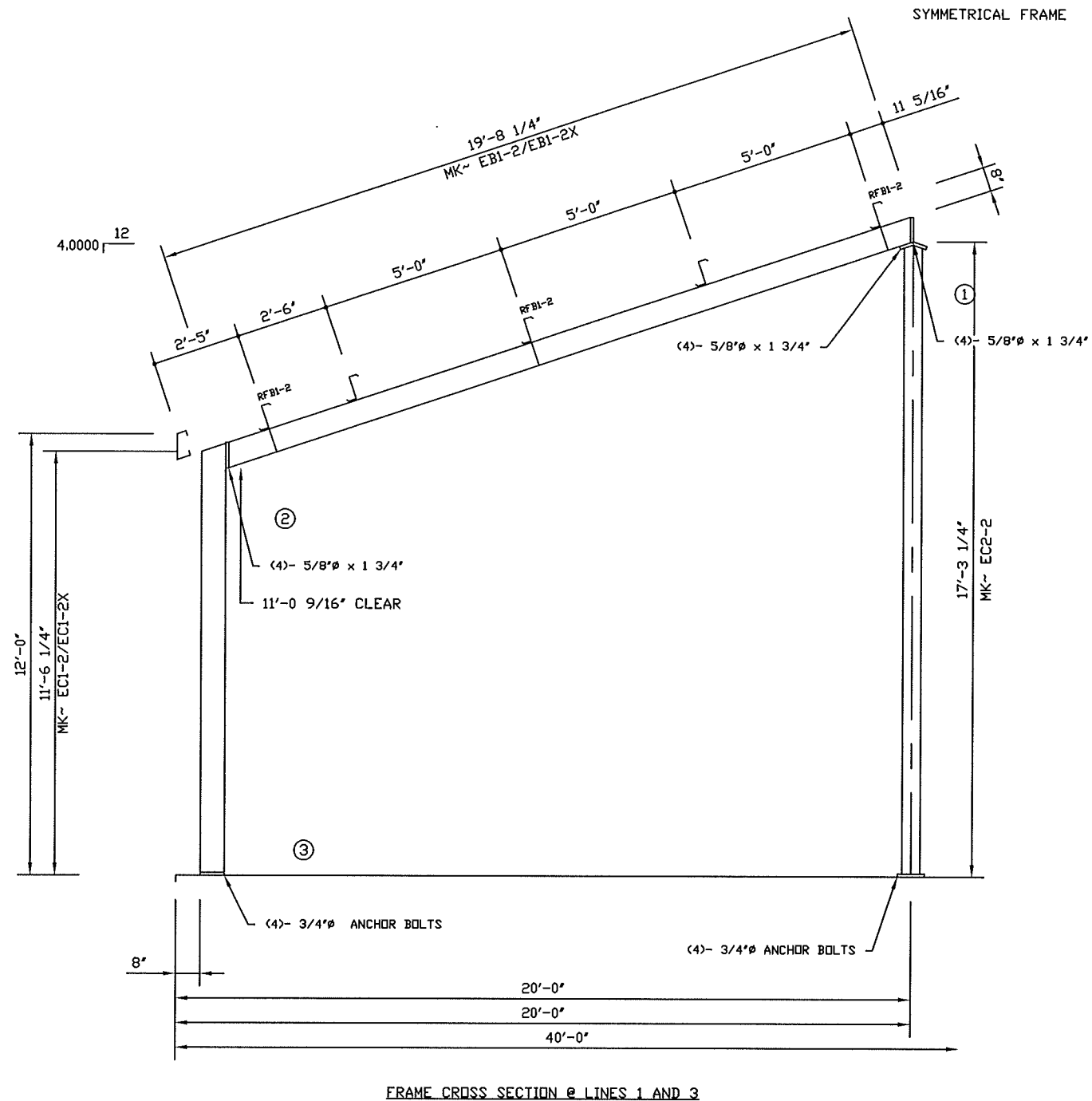
PROJECT:
**NEW GUN RANGE FOR DECATUR P.D.
 TRINITY, AL**

FILENAME: 11052-1.SCG 11052-1	JOB # 11052
DRAWN JAS	CAD JAS
CHECKED TMM	SCALE NONE
APPROVED <i>CM</i>	DATE 11/5/10

DRAWING #
E2-1



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DRAWING NAME:
FRAME CROSS SECTION

CUSTOMER:
**BUILDING CONST. ASSOCIATES, INC.
 DECATUR, AL**

PROJECT:
**NEW GUN RANGE FOR DECATUR P.D.
 TRINITY, AL**

FILENAME: 11052-2.END JOB # **11052**

DRAWN JAS	CAD JAS	DRAWING #
CHECKED TMM	SCALE NONE	EE2-2
APPROVED <i>JME</i>	DATE 11/5/10	

ALL FLANGE BRACES NOTED AS "HEAVY" ARE TO BE BOLTED WITH 1/2" x 1 3/4" A325 BOLTS
 * - INDICATES FLANGE BRACE ON BOTH SIDES OF BEAM OR COLUMN ALL OTHER LOCATIONS ARE ONE SIDE ONLY

STANDARD LENGTH FLANGE BRACES				WEB DEPTHS		INTERIOR COLUMNS		
MARK	PDS	LENGTH	QTY PER HALF FRAME	LOCATION	DEPTH (INS)	MARK	TYPE	SIZE
RFBI-2	A	1'-1 1/4"	3	1 3	7 7/8 7 7/8	EC2-2	W-SHAPE	W 8 x 18



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AC472

M E M B E R



DRAWING NAME:

FRAME CROSS SECTION

CUSTOMER:

BUILDING CONST. ASSOCIATES, INC.
DECATUR, AL

PROJECT:

NEW GUN RANGE FOR DECATUR P.D.
TRINITY, AL

FILENAME: 11052-3PFA
 11052-3

JOB #

11052

DRAWN **JAS**

CAD **JAS**

DRAWING #

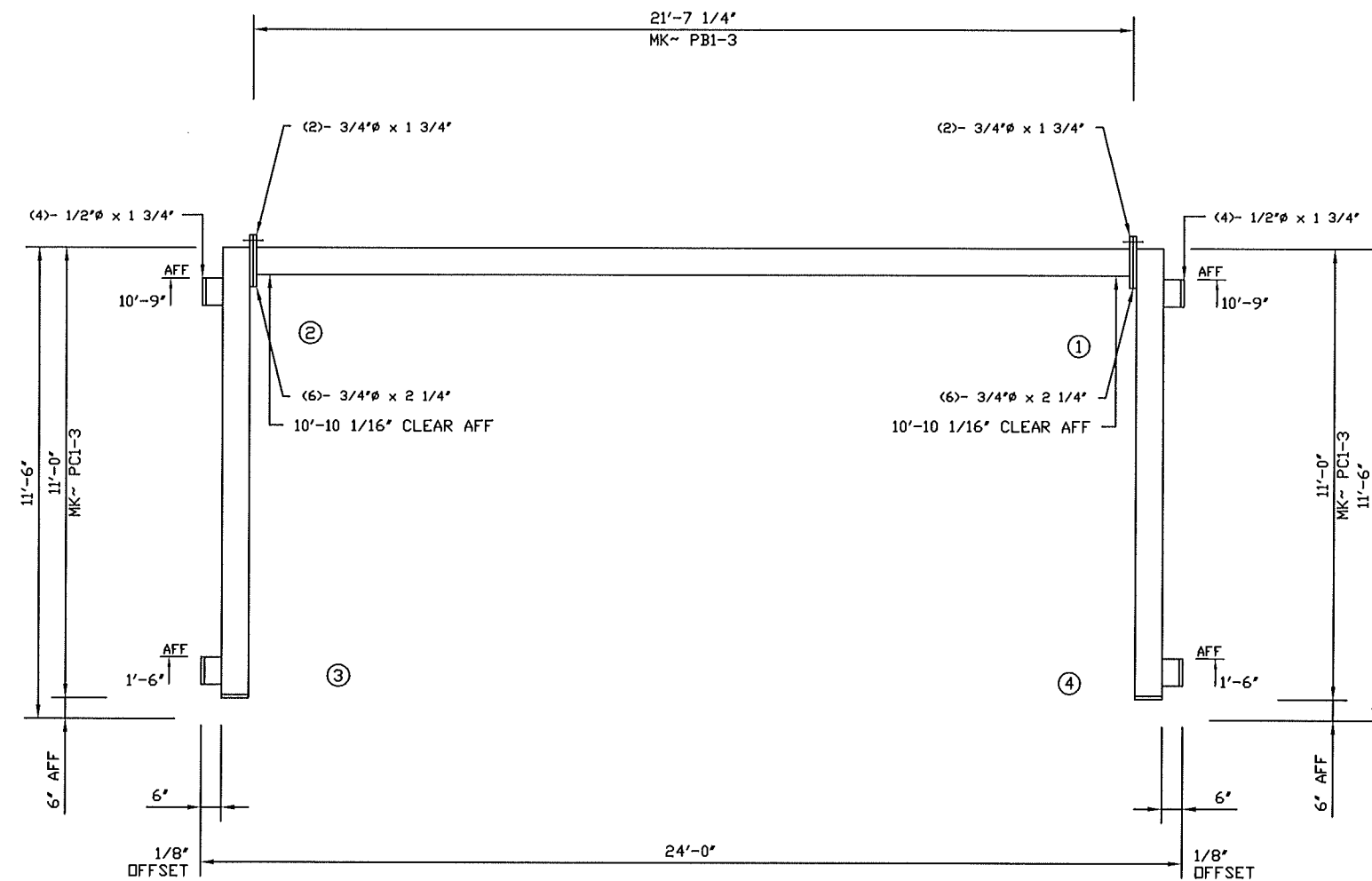
CHECKED **TMM**

SCALE **NONE**

PE2-3

APPROVED *M*

DATE **11/5/10**



PORTAL FRAME CROSS SECTION BETWEEN LINES 1 AND 2

WEB DEPTHS

LOCATION	DEPTH (INS)
1	7 15/16
3	7 15/16
4	7 7/8

WEIGHT TOTAL PAGE

*** THIS PAGE FOR INTEROFFICE USE ONLY ***

JOB NUMBER: 11052

CUSTOMER: _____

PROJECT: NEW GUN RANGE FOR DECATUR P.D.

LOCATION: TRINITY, AL

BLDG SIZE: 40'-0" X 50'-0" X 12'-0"
4:12 ROOF BEVEL
BUILDING IS OPEN FULL HEIGHT

COMMENTS: Building 1 of 1

REVISIONS			
NO.	DATE	BY	PAGES

PRIMARY STEEL: 4753.7 lbs.
 SECONDARY STEEL: 2498.4 lbs.
 HARDWARE : 190.5 lbs.
 RIB PANELS: 1981.8 lbs.
 STANDING SEAM PANELS: 0.0 lbs.
 TRIM: 650.8 lbs.
 OTHER: 0.0 lbs.

TOTAL BIGBEE SHIPPING WEIGHT: • 10075.3 lbs.

INSULATION: 0.0 lbs.
 BUY-OUT MATERIALS: 0.0 lbs.
 OTHER BUY-OUT MATERIALS: 0.0 lbs.
 OTHER: 0.0 lbs.

TOTAL BUILDING WEIGHT: 10075.3 lbs.

DETAILER: JAS **CHECKER:** TMM

DATE DTD: 11/5/2010 **DATE CKD:** 11/9/2010

INCLUDING CHANGE ORDER NO: NONE



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 Web Site: www.bigbee.com Email: info@bigbee.com

JOB NUMBER: 11052

REVISIONS				
NO.	DATE	BY	PAGES	DESCRIPTION

CUSTOMER: BUILDING CONST. ASSOCIATES, INC.

COMMENTS: Building 1 of 1

PROJECT: NEW GUN RANGE FOR DECATUR P.D.

LOCATION: TRINITY, AL

BLDG SIZE: 40'-0" X 50'-0" X 12'-0"

4:12 ROOF BEVEL

BUILDING IS OPEN FULL HEIGHT



DETAILER: JAS

CHECKER: TMM

DATE DTD: 11/5/2010

DATE CKD: 11/9/2010



INCLUDING CHANGE ORDER NO: NONE

ITEM DESCRIPTION	MARK NO.	COLOR	QTY.	UOM	LENGTH		UNIT WT.	TOTAL WT.	REMARKS	REV. NO.
					(ft & in)	(in)				
BOLTS - NUTS - WASHERS										
	3/4" DIA		14	EA	1 3/4"	1.7500	0.340	4.8	A325 BOLT	
	3/4" DIA		30	EA	2 1/4"	2.2500	0.400	12.0	A325 BOLT	
	3/4" DIA		44	EA	STD		0.120	5.3	A325 NUT	
	5/8" DIA		34	EA	1 3/4"	1.7500	0.225	7.7	A325 (FULL THREAD) BOLT	
	5/8" DIA		34	EA	STD		0.100	3.4	A325 NUT	
	1/2" DIA		62	EA	1 3/4"	1.7500	0.115	7.1	A325 (FULL THREAD) BOLT	
	1/2" DIA		62	EA	STD		0.080	5.0	A325 NUT	
	1/2" DIA		62	EA	STD		0.048	3.0	HARDENED WASHERS	
	1/2" DIA		175	EA	1 1/4"	1.2500	0.080	14.0	A307 BOLT	
	1/2" DIA		175	EA	STD		0.050	8.8	A307 NUT	
	1/2" DIA		300	EA	STD		0.021	6.3	A307 WASHER	
SCREWS										
SELF DRILLER	#12	D-Gray	1250	EA	1 1/4"	1.2500	0.0168	21.0	ROOF	
LAP TEK	#14	D-Gray	700	EA	7/8"	0.8750	0.0163	11.4	ROOF	
LAP TEK	#14	D-Gray	250	EA	7/8"	0.8750	0.0163	4.1	GUTTER AND GABLE TRIM	
LAP TEK	#14	D-Gray	50	EA	7/8"	0.8750	0.0163	0.8	EAVE TRIM	
POP RIVETS		D-Gray	200	EA			0.0015	0.3	GUTTER AND GABLE	
POP RIVETS		D-Gray	100	EA			0.0015	0.2	DOWNSPOUTS	
INSIDE CLOSURE			35	EA	3'-0"	36.0000	0.040	1.4	Bigbee-Rib-II	
MASTIC (Tape Sealant)				LF	1120'-0"	13440.0000	0.037	41.4	1/8" x 3/8" Wide x 40' Rolls	
CAULK			8	EA			1.000	8.0	TUBES	
WINDBRACE CABLES										
	CB1		4	EA	31'-4"	376.0000	5.5	21.8	1/4" DIA (OUT/OUT EYEBOLT)	
CRESCENT WASHER (BRACING)										
	1/2" DIA		8	EA	STD		0.280	2.2		
FLAT WASHERS (BRACING)										
	1/2" DIA		8	EA	STD		0.021	0.2		

ITEM DESCRIPTION	MARK NO.	COLOR	QTY.	UOM	LENGTH		UNIT WT.	TOTAL WT.	REMARKS	REV. NO.
					(ft & in)	(in)				
ANGLE TRIM 4:12 (18.4349°)	"AA"	D-Gray	6	PLF	18'-0"	216.0000	0.959	103.6	26ga @ EAVE	
ANGLE TRIM 0:12 (0.0°)	"AA"	D-Gray	8	PLF	12'-0"	144.0000	0.959	92.1	26ga @ GABLE	
DOWNSPOUT With KICKOUT	"A"	D-Gray	6	PLF	14'-0"	168.0000	1.156	97.1	26ga	
DOWNSPOUT STRAP	"A"	D-Gray	6	EA	1'-0"	12.0000	0.126	0.8	26ga	
EAVE TRIM 3:12 (14.0362°)	"A"	D-Gray	6	PLF	18'-0"	216.0000	0.629	67.9	26ga	
GABLE BOX 4:12 (18.4349°)		D-Gray	2	EA			2.400	4.8	26ga - With Sign	
GABLE TRIM	"A"	D-Gray	8	PLF	12'-0"	144.0000	1.321	126.8	26ga	
GUTTER Dead End LH		D-Gray	2	EA			0.500	1.0	26ga	
GUTTER Dead End RH		D-Gray	2	EA			0.500	1.0	26ga	
GUTTER STRAP	"A"	D-Gray	35	PLF	8"	8.0000	0.142	3.3	26ga	
GUTTER TRIM 4:12 (18.4349°)	"A"	D-Gray	6	PLF	18'-0"	216.0000	1.289	139.3	26ga	
OVERFLOW TRIM	"GST-1"	D-Gray	2	PLF	21'-0"	252.0000	0.315	13.2	26ga - Field Cut 1'-2" Pcs	