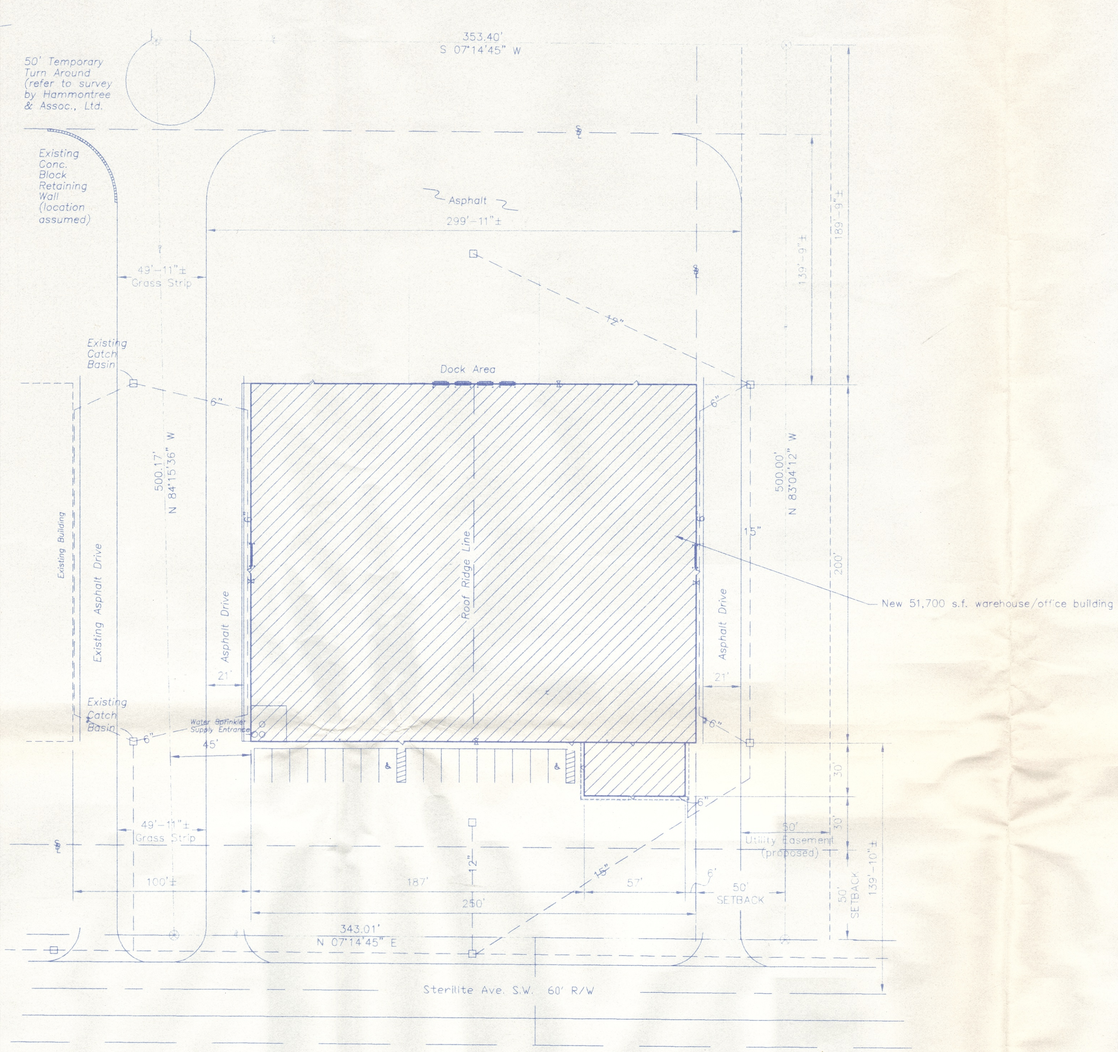


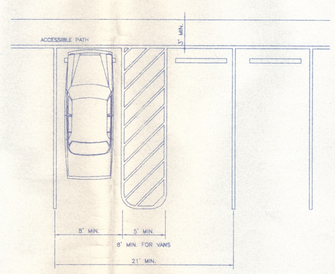
SITE PLAN

Scale 1" = 40'

Legend

- *Property Line*
- *Set-back Line*
- *Storm Sewer Line*
- *24"x24" Catch Basin (scaled 2x)*

Note:
All Storm Sewer Lines and Catch Basins to meet or exceed State and Local codes.



HANDICAP PARKING DETAIL

OCCUPANCY TABLE:
The building will be posted to comply with (Section 4101:2-1-28 OBBC).
The placard will indicate;
Use group (Section 302.0 OBBC): S-1
Live load (Section 1606.0 OBBC): 125 psf uniform, 1000 lb. concentrated (light manufacturing)
Occupancy load (Section 1008.0 OBBC: 50 men, 50 women
Construction Type (Section 602.0 OBBC): 2C with sprinkler

TABLE OF LOADS:
Wind Load (Section 1609 OBBC) Basic wind speed is 80 mph
Exposure (Section 1609.4): C
Importance Factor (Table 1609.5): 1.0
Ground snow load 25#/sf. Snow exposure factor (Table 1608.4): 0.7
Collateral load 5#/sf
Earthquake loads per OBBC 1603.6; Av=0.077; Aa=0.10; Hazard exposure Group I; Performance Category B; Soil type 2.0; Seismic resisting not limited; R&Cd table 1612.3.3; Analysis 1612.4.

TABLE OF STRESSES:
Concrete to be minimum 3,000 #/in.sq. compressive strength at 28 days.
Reinforcement shall be grade 60, deformed
Assumed soil bearing design based on 3,000 #/sf at footing depth.
Contractor shall notify the engineer if soil bearing conditions encountered are less than assumed.
Structural steel shall be ASTM A36 with a yield strength of 36,000 psi unless noted.
Concrete Masonry Units (CMU)
ASTM C55 for brick
ASTM C73 for calcium silicate face brick
ASTM C90 for load bearing CMU
Mortar ASTM C270

GENERAL NOTES:
1. Allowable area per table 503 is: Unlimited per OBBC 507.0 with sprinkler
Allowable height per table 503 is: one story 85'
Actual area is: 50,000 s.f. warehouse + 1,700 s.f. accessory office = 51,700 s.f. total
Actual height is: one story 36'

2. Hardware for all egress doors shall maintain the doors readily openable from the side from which egress is to be made without the use of a key or special knowledge or effort. Draw bolts, hooks and other similar devises are prohibited on all egress doors except for dwelling units. The use of manually operated flush bolts or surface bolts is prohibited. Per (Section 1017.4, 1017.4.1 and 1017.4.1.1 OBBC).

3. Portable fire extinguishers of an approved size and type, suitable for the occupancy of the structure will be installed in locations visible and readily accessible to the occupants; (Section 921.0 OBBC).

4. Heating, ventilation and air-conditioning material and installation methods shall comply with the requirements of Chapter 12 OBBC, Chapter 13 OBBC, ASHRAE Standards, SMACNA Standards, equipment's Underwriters approval, the manufacturers recommendations and specifications, and good engineering practices. Per Section (M-301.0 OBMC).

5. All electrical work will comply with the requirements of Chapter 27 OBBC and the National Electrical Code (NEC), NFPA 70, OBBC approved editions, and is subject to the approval of the State Electrical Inspector assigned by the Division of Factory and Building Inspection.

6. All plumbing work to conform to State of Ohio Plumbing Code and Chapter 29 OBBC.

7. The building shall be accessible for use by physically handicapped persons to comply with Chapter 11 OBBC, e.g. level 12 feet wide parking space with above ground sign reserved for physically handicapped persons, curbs, building entrance, doorway grading, interior access, electrical switches, telephones, toilet rooms with clear space immediately beyond the room door opening of not less than 60 inches diameter, water closet compartment, water closets, lavatories, drinking fountain and miscellaneous.

8. One set of plans, which has been approved under Section 4D1:2-1-23, OBBC, shall be kept at the site of the work and shall be available for reference by the Building Official at all times during working hours while such work is in progress.

9. All glazing in the doors, adjacent sidelights and areas less than 18 inches to a walking surface will be safety glazing, and comply with Section 2405.0, OBBC.

10. All carpet required shall be Section 805.2.1 OBBC to meet critical radiant flux limits in accordance with Section 805.2, OBBC for Class I or Class II interior floor finish shall be tested by an approved testing laboratory. A copy of the test report shall be submitted to the Building Department. The carpet will be identified as required be Section 805.2, OBBC.

11. All interior finishes to conform to Chapter 8, OBBC.

12. All concrete material and workmanship shall conform to OBBC Chapter 19

13. All masonry material and workmanship shall conform to OBBC Chapter 21

14. Existing dimensions shown on drawings are approximate. The contractor shall field verify existing dimensions to satisfy himself/herself as to exactness of measurements.

OBBC shall refer to the 1998 Ohio Basic Building Code including supplemental specifications.

Reel Engineering
12 Main Street Box 173 Mogadore, Ohio 44260-0173
E-MAIL REELTG@BACKONWALK.COM

DATE 7/11/01
7/23/01

REVISION 7/11/01

SEAL OF QUALITY

International Enterprises, Inc.
4350 Sterlite Av. S.E.
Massillon, OH

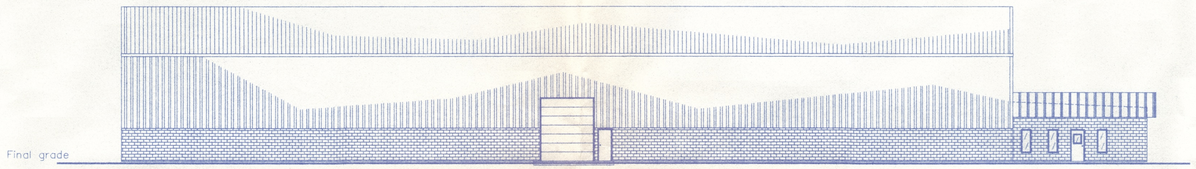
STATE OF OHIO
RODGER W. REEL
57976
REGISTERED PROFESSIONAL ENGINEER

BEFORE YOU DIG
24 HOURS PRIOR TO DIGGING
CALL 800-362-2764 O.U.P.S.

JOB NO. 3942

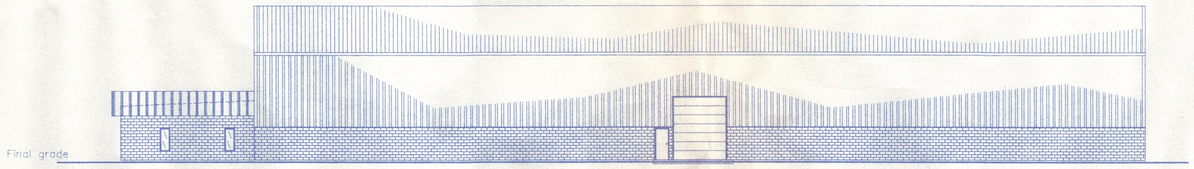
EAST ELEVATION

Scale 1/16" = foot



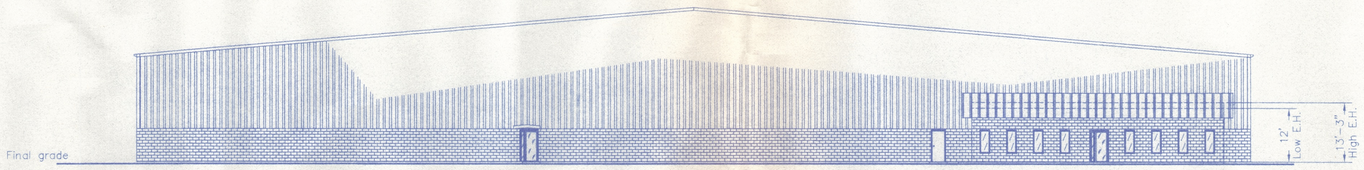
NORTH ELEVATION

Scale 1/16" = foot



SOUTH ELEVATION

Scale 1/16" = foot



WEST ELEVATION

Scale 1/16" = foot

Reel Engineering
12 Park Street Box 173 Mount Perry, Ohio
E-MAIL: REEL1@BACONSWALK.COM 419-499-2660

DATE
7/11/01
7/18/01
7/23/01

REVIEW
00.00.00

STAR

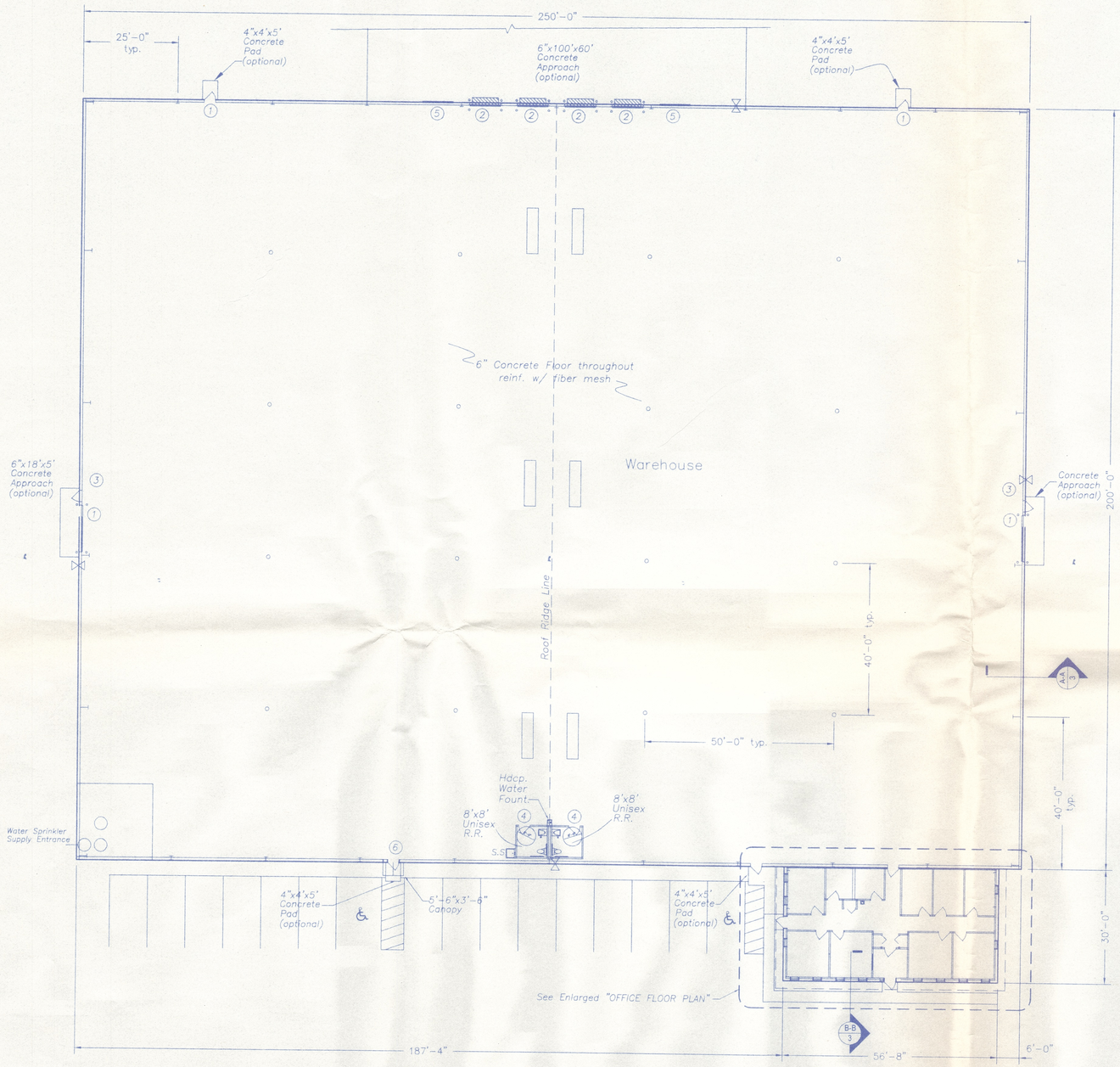
SEAL OF QUALITY

ALL OHIO RESIDENTS

International Enterprises, Inc.
4590 Stettler St., S.E.
Massillon, OH 44646

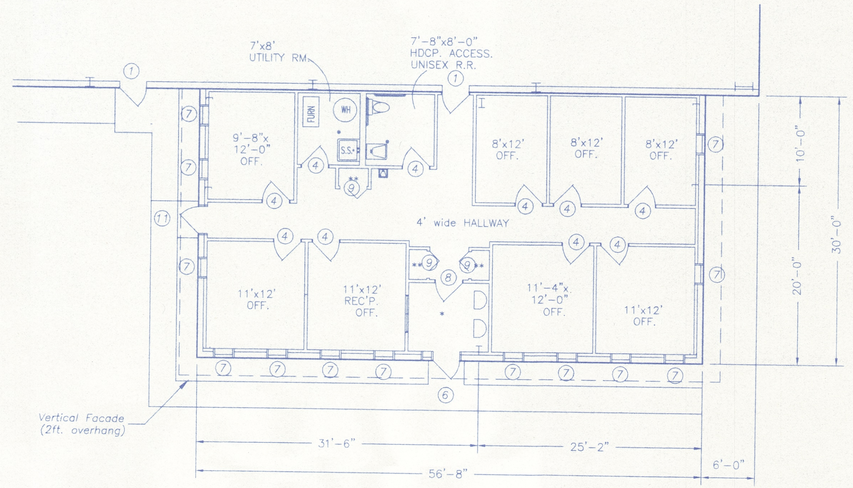
STATE OF OHIO
RODGER W. REEL
57976
REGISTERED PROFESSIONAL ENGINEER

JOB NO. 3942



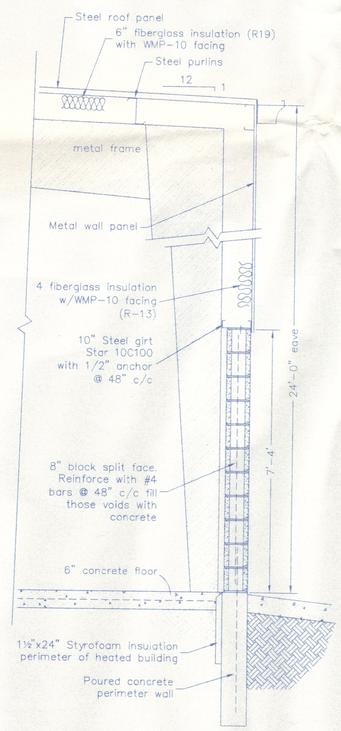
FLOOR PLAN

Scale 1/16" = foot



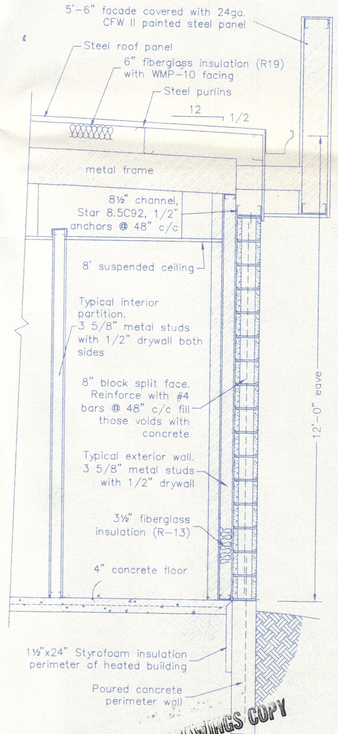
OFFICE FLOOR PLAN

Scale 1/8" = foot



A-A 3 **SECTION**

scale 1/2"=foot



B-B 3 **SECTION**

scale 1/2"=foot

ADA DETAILS – See sheet 7

Electrical outlets, light switches, the operable part of controls, dispensers, receptacles, and other operable equipment shall be placed within the reach specified in ADAAG 4.27.3.
Signs which designate permanent room and space or provide directions or information about functional spaces of the building shall comply with ADAAG 4.1.3(16) & 4.30.1 to .7. Urinals shall be accessible to comply with ADAAG 4.16 with an elongated rim at a maximum of 17 inches above the finish floor.
Handles, pulls, latches, locks, and other operating devices on doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, tight pinching or twisting of the wrist to operate.

INTERIOR ROOM FINISH SCHEDULE

Office:
–floor; 4" concrete below nylon carpet, except vinyl floor tile in office restrooms, mechanical room, waiting area, and breakroom. 4" rubber base installed on all finish walls.
–exterior walls and partitions; 1/2" drywall over 3 5/8" metal studs
–ceiling; 2'x4'x5/8" Armstrong Cortega (or equal) ceiling tile installed in a white steel suspended grid system.

WAREHOUSE
–floor; exposed 6" concrete
–walls; exposed steel frames and girts insulated with white WMP-10 faced fiberglass. Liner panel where indication on plan
–roof; exposed steel frames and purlins insulated with white WMP-10 faced fiberglass.

Door & Window Schedule

1. 3'x7' Walk Door
2. 8'x9' Dock Door w/ leveler
3. 12'x14' Overhead Door
4. 3'x7' Interior Walk Door (also, see office)
5. 8'x9' Blank for future Dock Door
6. 3'x7' Walk Door w/full safety glass & side safety glass (office & main building)
7. 2'x5' Narrowlite Window (see office)
8. 3'x7' Glass Office Door (see office)
9. 3'x7' Bi-Fold Doors (double 1'-6" doors),(see office)
10. 3'x3' Sliding Window (see office)
11. 3'x7' Walk Door w/ half safety glass (see office)

Legend

- ⋈ Frost-free Water Valve
- ▭ Reznor Gas Heater
- * 4" Floor Drain (scaled 2x)
- * 9'-0"x 7'-8" FOYER
- ** 2'X3' CLOSET

Reel Engineering
12 TEAK STREET · PIKA, P.O. · TILLAS, OHIO 44266
E-MAIL REEL@TEAMSCORNER.COM 614-409-2060

DATE 7/11/01
7/23/01

REVIEW 7/11/01

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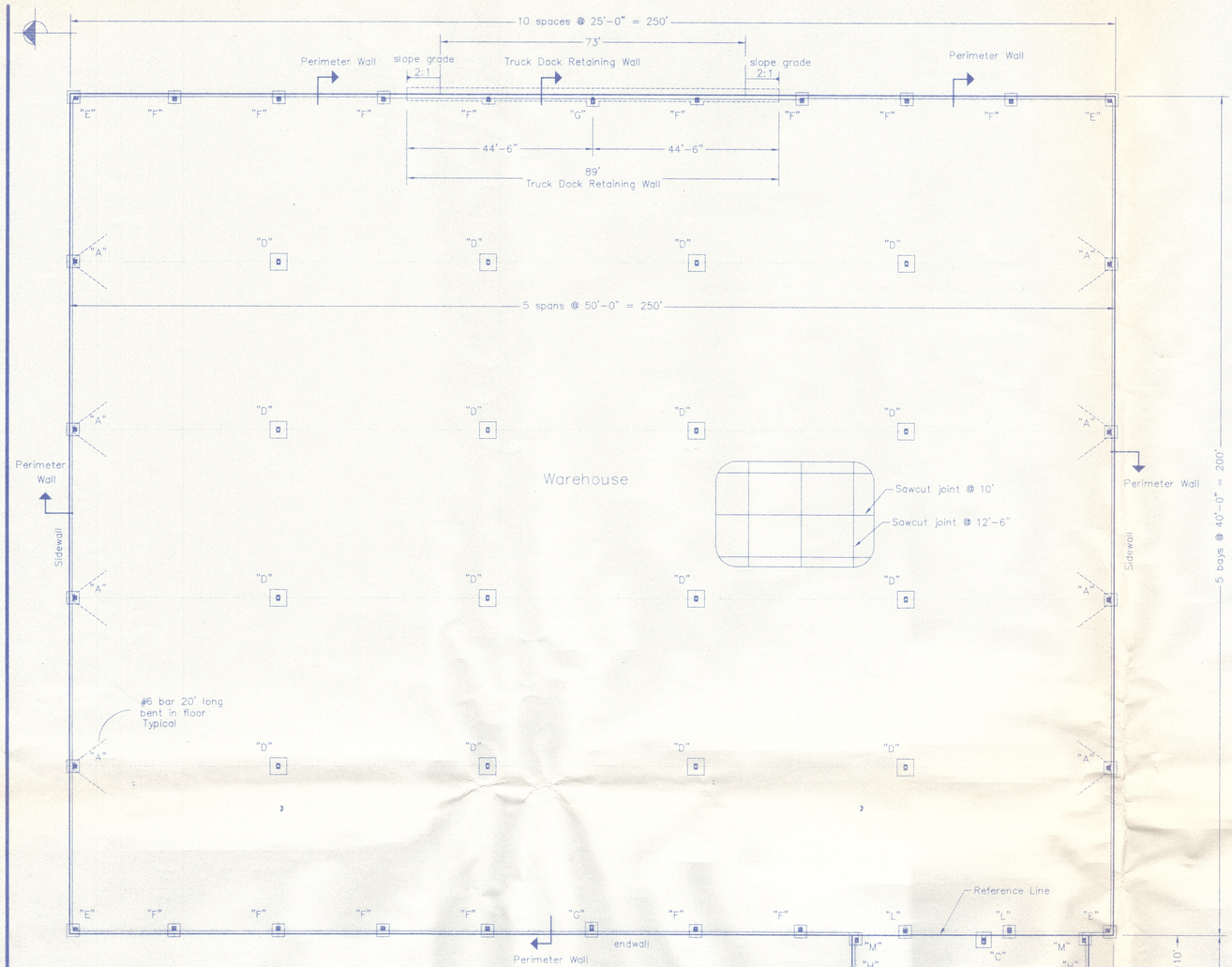
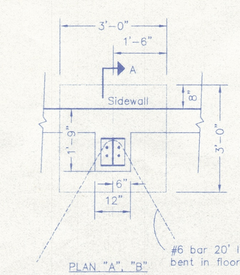
International Enterprises, Inc.
4990 Seattle St. SE
Massillon, OH 44646

STATE OF OHIO
RODGER W. REEL
57976
REGISTERED PROFESSIONAL ENGINEER

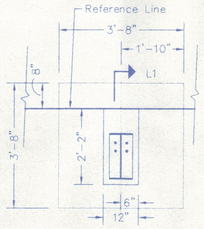
JOB NO. 3942



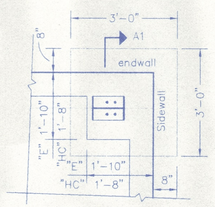
FOUNDATION PLAN



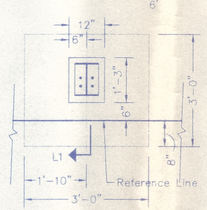
PLAN "A", "B"
Max V=24.6k
Max uplift V=28.1k
Max H=13.1k



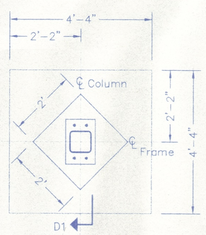
PLAN "C"
Max V=34.8k
Max uplift V=7.3k
Max H=7.3k



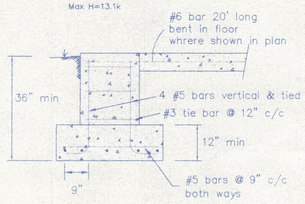
PLAN "E","HC"



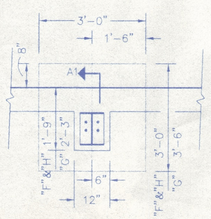
PLAN "L"



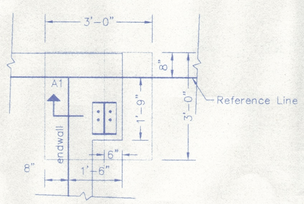
PLAN "D"
Max V=47.8k
Max uplift V=35.1k
Max H=Ok



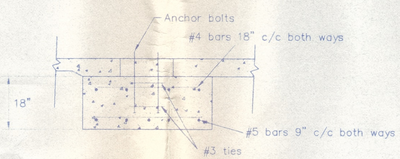
SECTION A1



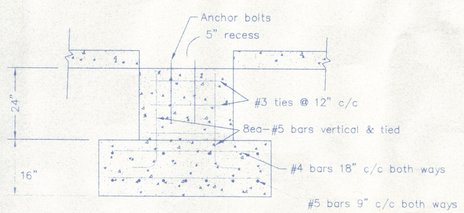
PLAN "F","G","H"



PLAN "M"

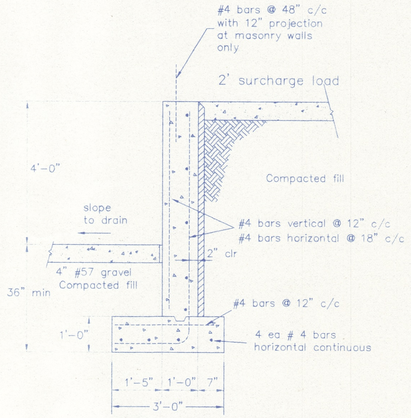


SECTION L1



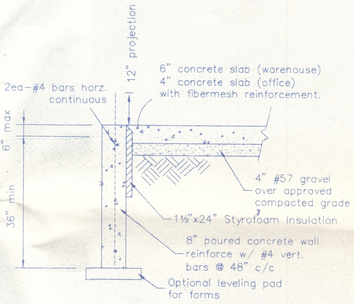
SECTION D1

FOUNDATION DETAILS



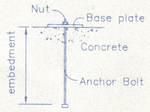
TRUCK DOCK RETAINING WALL

scale 1/2"=foot



PERIMETER WALL

scale 1/2"=foot



ANCHOR BOLT DETAIL

All anchor bolts Type A307
1/2"ø embedment is 12"
3/4"ø embedment is 18"
1"ø embedment is 18"

AUTHOR OF DRAWINGS COPY

NOTES
Work this drawing with anchor bolt plan by Star
Assumed soil bearing 3000psf

Reel Engineering
12 MAIN STREET, BOX 43 TEL: 330-893-3100
MASSILLON, OHIO 44646 FAX: 330-893-3101
E-MAIL: REELT@BIZCOMPWEB.COM

DATE 7/11/01
7/23/01

REVIEW 7/11/01

STAR

SEAL OF QUALITY
ALLCHO CONTROLS

International Enterprises, Inc.
1350 Sattler St., S.E.
Massillon, OH 44646

STATE OF OHIO
RODGER W. REEL
57976
REGISTERED
PROFESSIONAL ENGINEER
12/3/01

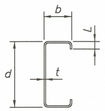
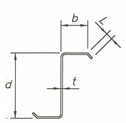
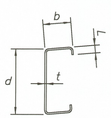
JOB NO. 3942

BUILDING DESCRIPTION

NOMINAL SIZE:	WIDTH		LENGTH		EAVE HEIGHT (LOW SIDE)	ROOF SLOPE
BUILDING "A"	250'-0	X	200'-0	X	24'-0	1:12
BUILDING "B"	30'-0	X	56'-8	X	12'-0	1/2:12

GENERAL NOTES

1) ROOF PANEL 24 GA. STARSHIELD -- ALUM-ZINC
2) WALL PANEL 26 GA. STARTHERM 2½" -- REGAL WHITE
3) BACK PANEL 26 GA. DURA-RIB -- ALUM-ZINC
4) SOFFIT PANEL NOT BY STAR
5) FACADE PANEL 26 GA. CFW2 -- SLATE GRAY
6) EAVE GUTTER 26 GA. -- SLATE GRAY
7) BASE FLASH 26 GA. -- SLATE GRAY
8) GABLE FLASH 26 GA. -- SLATE GRAY
9) ALL OTHER FLASH 26 GA. -- REGAL WHITE

CROSS SECTION	MEMBER			MARK NUMBER
	DESC.	SECTION (d x b x t) (IN)	L (IN)	DJ (DOOR JAMB) DH (DOOR HEADER) GC (CEE MEMBER)
	8.5C75	8.5X3.25C.075	.750	
	8.5C92	8.5X3.25C.092	1.00	
	10C75	10X2.75C.075	1.125	
	10C84	10X2.75C.084	1.125	
	10C100	10X2.75C.100	1.1875	
	12C80	12X3.25C.080	1.41	
	12C88	12X3.25C.088	1.50	
	12C100	12X3.25C.100	1.52	
	DESC.	SECTION (d x b x t) (IN)	L (IN)	Z (PURLIN) Z (GIRT)
	8.5Z57	8.5X2.5Z.057	.769	
	8.5Z64	8.5X2.5Z.064	.781	
	8.5Z72	8.5X2.5Z.072	.951	
	8.5Z80	8.5X2.5Z.080	.965	
	8.5Z88	8.5X2.5Z.088	.978	
	10Z75	10X2.75Z.075	1.0	
	10Z84	10X2.75Z.084	1.0	
	10Z100	10X2.75Z.100	1.0625	
	12Z80	12X3.25Z.080	1.28	
	12Z88	12X3.25Z.088	1.35	
	12Z100	12X3.25Z.100	1.37	
	DESC.	SECTION (d x b x t) (IN)	L (IN)	E (EAVE STRUT)
	8.5E75	8.5X3.25C.075	.750	
	8.5E92	8.5X3.25C.092	1.00	
	10E84	10X3.25C.084	1.19	
	10E84	10X3.625C.084	1.25	
	12E80	12X3.25C.080	1.41	
	12E88	12X3.25C.088	1.50	
	12E100	12X3.25C.100	1.52	

MATERIALS

MATERIAL PROPERTIES OF STEEL PLATE AND SHEET USED IN THE FABRICATION OF PRIMARY RIGID FRAMES AND ALL PRIMARY STRUCTURAL FRAMING MEMBERS (OTHER THAN COLD-FORMED SECTIONS) SHALL CONFORM TO ASTM A529, ASTM A572, OR A607 WITH A MINIMUM SPECIFIED YIELD POINT OF 50 KSI.

MATERIAL PROPERTIES OF HOT ROLLED STRUCTURAL SHAPES CONFORM TO ASTM A529 OR ASTM A572 WITH A MINIMUM SPECIFIED YIELD POINT OF 42 KSI.

STRUCTURAL TUBE MATERIALS CONFORM TO ASTM A53 GRADE B OR ASTM A500 GRADE B OR C. ROUND IS SUPPLIED WITH A MINIMUM SPECIFIED YIELD POINT OF 36 KSI. RECTANGULAR (RHS) IS SUPPLIED WITH A MINIMUM SPECIFIED YIELD POINT OF 46 KSI.

MATERIAL PROPERTIES OF COLD-FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM A570, GRADE 55, OR ASTM A607, GRADE 55, WITH A MINIMUM SPECIFIED YIELD POINT OF 55 KSI.

SPECIFICATIONS

MATERIALS SUPPLIED BY STAR BUILDING SYSTEMS FOR THIS BUILDING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ORDER DOCUMENTS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS, OR THE ADDITION OF OTHER CONSTRUCTION MATERIAL OR LOADS MUST BY UNDER THE DIRECTION OF A LICENSED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER. STAR BUILDING SYSTEMS WILL ASSUME NO RESPONSIBILITY FOR LOADS OTHER THAN THOSE SPECIFIED IN THE ORDER DOCUMENTS.

MATERIALS HAVE BEEN DESIGNED WITH STAR BUILDING SYSTEMS' STANDARD DESIGN PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES:

AMERICAN INSTITUTE OF STEEL CONSTRUCTION: "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
AMERICAN IRON AND STEEL INSTITUTE: "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
THE BUILDING CODE AS SPECIFIED ON THE ENGINEERING DESIGN CRITERIA SHEET.
METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL".

STAR BUILDING SYSTEMS LOCKEFORD CA PLANT HAS BEEN ISSUED A CERTIFICATE OF APPROVAL NUMBER 1183 BY THE DEPARTMENT OF BUILDING AND SAFETY OF THE CITY OF LOS ANGELES AS AN APPROVED FABRICATOR OF STRUCTURAL STEEL. THE LOCKEFORD CA MANUFACTURING PLANT IS AN APPROVED STEEL FABRICATOR AS STATED IN THE ICBO EVALUATION SERVICE, INC. EVALUATION REPORT FA-277. STAR BUILDING SYSTEMS MONTICELLO IA MANUFACTURING PLANT IS AN APPROVED STEEL FABRICATOR AS STATED IN THE ICBO EVALUATION SERVICE, INC. EVALUATION REPORT FA-175.

STAR BUILDING SYSTEMS FACILITIES AT OKLAHOMA CITY OK, LOCKEFORD CA, MONTICELLO IA, ELIZABETHTON TN, AND HAMILTON ONT ARE AISC CERTIFIED IN CATEGORY MB.

ALL WELDING IS PERFORMED IN ACCORDANCE WITH AWS D1.1. UNLESS OTHERWISE CALLED FOR ON THE ORDER DOCUMENTS.

UNLESS NOTED ON THE ERECTION DRAWINGS, NO FIELD WELDING IS REQUIRED. WHERE FIELD WELDING IS SPECIFIED THE BUILDER/CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE METHODS AND PROCEDURES TO FULFILL WELD REQUIREMENTS. STAR BUILDING SYSTEMS IS NOT RESPONSIBLE FOR WELDMENT SURFACE PREPARATION EXCEPT AS SPECIFIED IN THE ORDER DOCUMENTS.

INSPECTION/JOBSITE

SPECIAL SHOP AND ALL FIELD INSPECTIONS AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR UNLESS SPECIFIED OTHERWISE IN THE ORDER DOCUMENTS.

FIELD INSPECTION MAY BE SPECIFIED BY THE APPLICABLE BUILDING CODE AND/OR THE STATE OR LOCAL JURISDICTION, NOT BY STAR.

STAR BUILDING SYSTEMS IS NOT RESPONSIBLE FOR GENERAL SITE SUITABILITY, JOB SITE INSPECTION, OR ERECTION MONITORING. SITE SPECIFIC CONDITIONS ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR.

BUILDER/CONTRACTOR RESPONSIBILITIES

STAR'S STANDARD PRODUCT SPECIFICATIONS APPLY AND UNLESS STIPULATED OTHERWISE IN THE ORDER DOCUMENTS, STAR'S DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN.

THE BUILDER/CONTRACTOR OR A/E FIRM IS RESPONSIBLE FOR OVERALL PROJECT COORDINATION. THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR ERECTION OF STEEL AND ALL ASSOCIATED WORK IN COMPLIANCE WITH STAR DRAWINGS. TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK OR OTHER ELEMENTS REQUIRED FOR ERECTION WILL BE DETERMINED, FURNISHED AND INSTALLED BY THE BUILDER/CONTRACTOR. ALL INTERFACE AND COMPATIBILITY OF ANY MATERIALS NOT FURNISHED BY STAR ARE THE RESPONSIBILITY OF AND TO BE COORDINATED BY THE BUILDER/CONTRACTOR OR A/E FIRM. UNLESS SPECIFIC DESIGN CRITERIA CONCERNING ANY INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE ORDER DOCUMENTS, STAR ASSUMPTIONS WILL GOVERN. WHERE DISCREPANCIES EXIST BETWEEN STAR DRAWINGS AND THE PLANS OF OTHER TRADES, STAR DRAWINGS SHALL GOVERN. THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL OTHER PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE BUILDER/CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED.

THESE DRAWINGS, SUPPORTING STRUCTURAL CALCULATIONS AND DESIGN CERTIFICATION ARE BASED ON ORDER DOCUMENTS AS OF THE DATE OF THESE DRAWINGS. THESE DOCUMENTS SHALL DESCRIBE THE MATERIAL SUPPLIED BY STAR BUILDING SYSTEMS AS OF THE DATE OF THESE DRAWINGS. ANY CHANGES TO THE ORDER DOCUMENTS AFTER THIS DATE WILL VOID THESE DRAWINGS, SUPPORTING STRUCTURAL CALCULATIONS AND DESIGN CERTIFICATION. THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE GOVERNING BUILDING AUTHORITY OF ALL CHANGES TO THE ORDER DOCUMENTS WHICH RESULT IN CHANGES TO THE DRAWINGS, SUPPORTING STRUCTURAL CALCULATIONS AND DESIGN CERTIFICATION.

THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR APPLYING AND OBSERVING ALL PERTINENT SAFETY RULES AND REGULATIONS AND OSHA STANDARDS AS APPLICABLE.

SUPPLYING DESIGN DATA AND DRAWINGS SEALED BY A LICENSED ENGINEER, FOR MATERIALS SUPPLIED BY STAR, DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT STAR OR ANY OF ITS AGENTS OR EMPLOYEES IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. NEITHER STAR NOR ANY OF ITS AGENTS OR EMPLOYEES IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. THESE DRAWINGS AND DESIGN DATA ARE SEALED AS CERTIFICATION THAT THE MATERIALS FURNISHED BY STAR ARE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE ORDER DOCUMENTS. DESIGN CONSIDERATIONS OF ANY MATERIALS NOT FURNISHED BY STAR AND FOR THE OVERALL PROJECT ARE THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR AND DESIGN PROFESSIONALS OTHER THAN STAR UNLESS SPECIFICALLY INDICATED OTHERWISE.

APPROVAL OF STAR DRAWINGS AND DESIGN DATA AFFIRMS THAT STAR HAS CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE ORDER DOCUMENTS AND CONSTITUTES BUILDER/CONTRACTOR'S ACCEPTANCE OF STAR'S INTERPRETATION OF THE ORDER DOCUMENTS AND OF STAR'S STANDARD PRODUCT SPECIFICATIONS, INCLUDING ITS DESIGN, FABRICATION, AND QUALITY CRITERIA STANDARDS AND TOLERANCES.

MASONRY AND TILT-UP CONCRETE WALLS BY OTHERS ARE PRESUMED TRUE, PLUMB AND LEVEL.

THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SHIPMENTS RECEIVED. SHORTAGES MUST BE REPORTED TO STAR WITHIN 15 DAYS OF DELIVERY.

DEFLECTION NOTES

THE MATERIAL SUPPLIED BY STAR HAS BEEN DESIGNED WITH THE FOLLOWING MINIMUM DEFLECTION CRITERIA. THE ACTUAL DEFLECTION MAY BE LESS DEPENDING ON ACTUAL LOAD AND ACTUAL MEMBER LENGTH. THE FRAME SIDESWAY FOR WIND LOADING IS BASED ON A 10 YEAR MEAN OCCURRENCE WIND INTERVAL.

ROOF PURLINS
- LIVE_____L / 150
- SNOW_____L / 150
- WIND_____L / 150
- TOTAL GRAVITY_L / 150
- TOTAL UPLIFT__L / 120

ROOF RAFTERS
- LIVE_____L / 180
- SNOW_____L / 180
- WIND_____L / 150
- TOTAL GRAVITY_L / 180
- TOTAL UPLIFT__L / 150

ROOF PANELS
- LIVE_____L / 150
- SNOW_____L / 150
- TOTAL UPLIFT__L / 120

WALL PANELS
- TOTAL WIND_____L / 90

WALL GIRTS
- TOTAL WIND_____L / 120

ENDWALL COLUMNS
- TOTAL WIND_____L / 120

FRAME/PORTAL FRAME SIDESWAY
- FRAME LIVE_____H / 100
- FRAME SNOW_____H / 100
- FRAME WIND_____H / 100
- FRAME SEISMIC_____H / 100
- FRAME CRANE_____H / 0
- FRAME TOTAL WIND_____H / 100
- FRAME TOTAL SEISMIC___H / 100
- FRAME TOTAL GRAVITY___H / 100
- PORTAL TOTAL WIND_____H / 60
- PORTAL TOTAL SEISMIC__H / 50

ENGINEERING DESIGN CRITERIA

BUILDING CODE	OHIO BASIC BUILDING CODE
BUILDING END USE	RETAIL SALES
CLASSIFICATION OF BUILDING	STANDARD
IMPACT LOADS	NONE
DEAD LOAD (STAR MATERIAL) (AVERAGE WEIGHT OF PANELS, PURLINS, AND FRAMES)	3.8 PSF
COLLATERAL LOADS	2.0 PSF (TOTAL) BUILDING A 4.0 PSF (TOTAL) BUILDING B
SPRINKLER	2.0 PSF BUILDINGS A & B
CEILING	2.0 PSF BUILDING B ONLY
LIGHTS	0.0 PSF
OTHER	0.0 PSF
FIXED SERVICE EQUIPMENT	NONE
DESIGNED ROOF LIVE LOAD	20.0 PSF (PURLINS) 12.0 PSF (FRAMES)
MEZZANINE DEAD LOAD	NONE
MEZZANINE COLLATERAL LOAD	NONE
FIXED SERVICE EQUIPMENT	NONE
MEZZANINE LIVE LOAD	NONE
GROUND SNOW LOAD	25.0 PSF
SNOW EXPOSURE FACTOR	0.7
IMPORTANCE FACTOR	1
ROOF SNOW LOAD	17.5 PSF
WIND SPEED	80 MPH
WIND PROVISION	EXP C
BUILDING DESIGNED	ENCLOSED BUILDING
IMPORTANCE FACTOR	1
SEISMIC VALUES AV =	0.077
AA =	0.10
SEISMIC HAZARD EXPOSURE GROUP	I
SEISMIC PERFORMANCE CATEGORY	B
SOIL SITE S4:	2.00

ENGINEERING NOTES

"BRACING SIZE" AS NOTED ON ENGINEERING DOCUMENTS AND ERECTION DRAWINGS DENOTES THREAD DIAMETER FOR ROD BRACING AND WIRE STRAND CABLE DIAMETER FOR WIRE STRAND CABLE BRACING.

IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" THE TURN OF THE NUT METHOD OF TIGHTENING IS RECOMMENDED.

BASE ANGLE PROVIDED ABOVE WALL SYSTEM NOT BY STAR IS NOT DESIGNED TO SUSTAIN TRANSVERSE WIND OR SEISMIC LOADING FROM THE WALL SYSTEM NOT BY STAR.

ALL GRAVITY LOADS OF THE WALL SYSTEM NOT BY STAR ARE ASSUMED TO BE SUPPORTED ENTIRELY BY THE BUILDING FOUNDATION.

EAVE STRUTS BUILDING B, SIDES B & D ARE NOT DESIGNED TO SUSTAIN TRANSVERSE WIND OR SEISMIC LOADING FROM THE WALL SYSTEM NOT BY STAR.

END RAFTERS AT BUILDING B, SIDES A & C ARE NOT DESIGNED TO SUSTAIN TRANSVERSE WIND OR SEISMIC LOADING FROM THE WALL SYSTEM NOT BY STAR.

THE STARSHIELD ROOF SUPPLIED BY STAR WILL NOT ACT AS A DIAPHRAGM TO PROVIDE SUPPORT TO THE WALL SYSTEM NOT BY STAR AT BUILDING B, SIDES A-D.

STATE OF OHIO
DUSTIN L. COLE
E-56126
REGISTERED PROFESSIONAL ENGINEER

FOR PERMIT PURPOSES

DUSTIN L. COLE, P.E.
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OKLAHOMA CITY, OK. 73149
OHIO P.E. 56126

2. THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE, GOOD QUALITY WORKMANSHIP IN ERECTING MATERIALS FOR THIS BUILDING IN CONFORMANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE STAR ERECTION GUIDES, AND INDUSTRY STANDARDS.

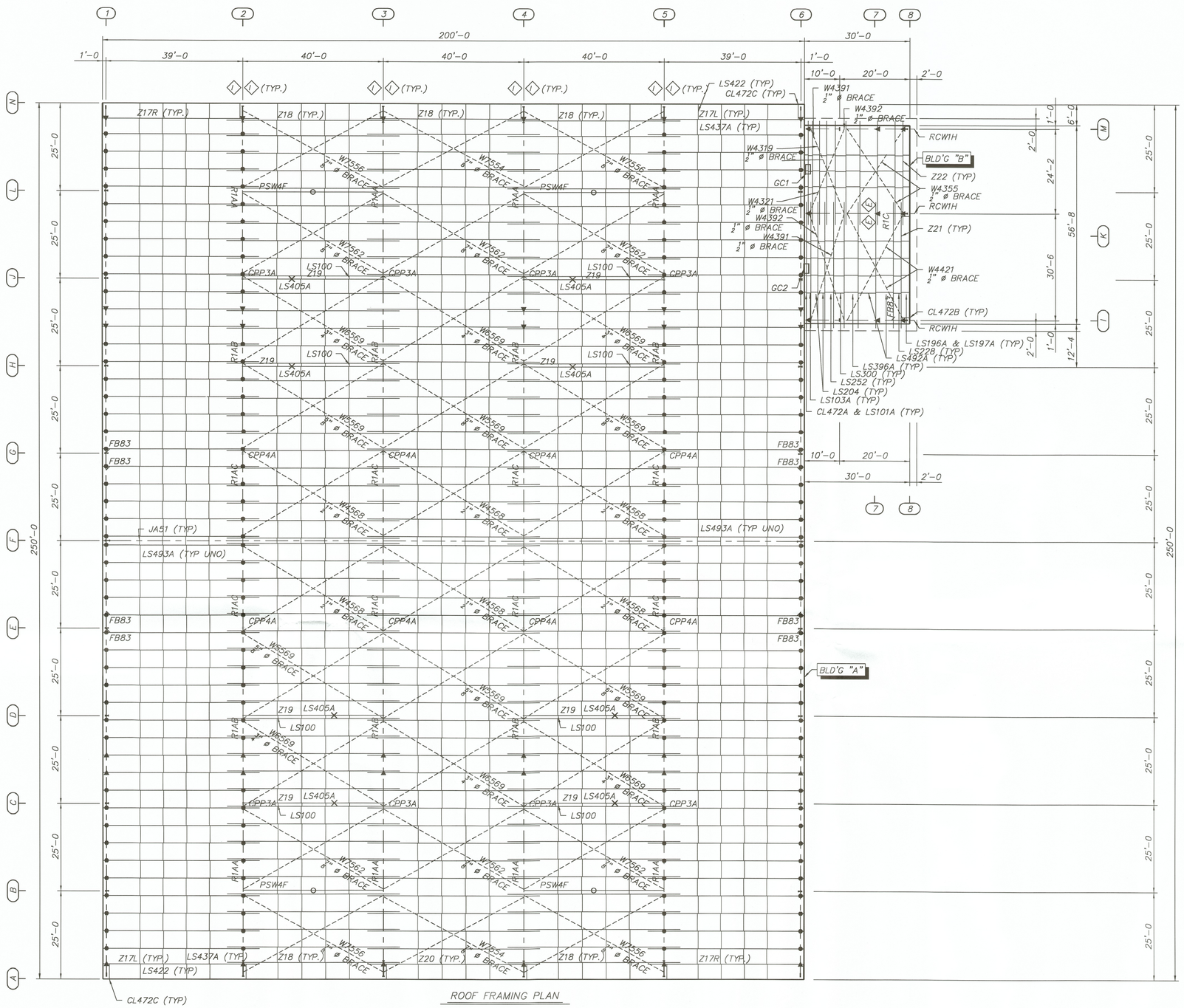
CHECKED	DATE
KGG	6/19/01
ENG. REVIEW	DLC

STAR BUILDING SYSTEMS
A RobertsonCeco Company
P.O. BOX 94910
OKLAHOMA CITY, OK 73143
(405) 636-2010

BUILDER:
ALL-OHIO BUILDINGS INC
MILLERSBURG, OH

CUSTOMER:
MICHAEL A.FARINA
MASSILLON, OH

JOB NO. 99 B 86665
MEMBER MBMA
DRAWING NO. E1



ROOF FRAMING PLAN

▲ – DENOTES: CLIP CL203 LOCATION (ON BUILDING "B")

▲ – DENOTES: CLIP CL503 LOCATION (ON BUILDING "A")

DENOTES: PIPE STRUT. ATTACHED WITH 3/4"ø X 1 1/2" A325 BOLTS.

DENOTES: PURLIN OR GIRT STRUT.

DENOTES: CAP CHANNEL ON PURLIN

● – DENOTES: CLIP CL504 LOCATION

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OHIO P.E. 56126

Z_SECTION LAP TABLE

SYMBOL	LAP	SYMBOL	LAP	SYMBOL	LAP
A	1'-1 LAP	E	3'-2 1/4 LAP	I	4'-7 LAP
B	1'-7 LAP	F	3'-7 LAP	K	5'-1 LAP
C	2'-1 LAP	G	4'-1 LAP	L	5'-7 LAP
D	2'-7 LAP	H	2 1/4 LAP		

NOTES:

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CHECKED KGG | DATE 6/19/01

NOT TO SCALE

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MILLERSBURG, OH

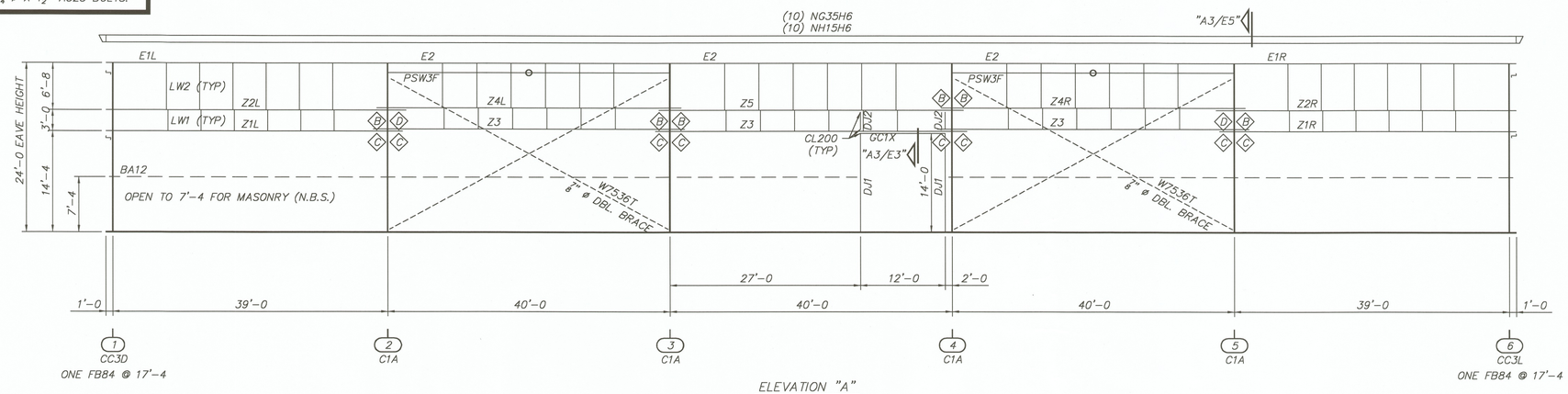
CUSTOMER: MICHAEL A.FARINA
MASSILLON, OH

JOB NO. 99 B 86665

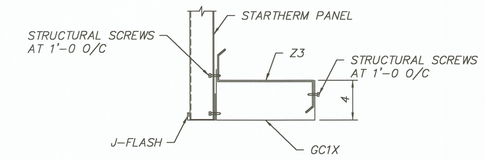
MEMBER MBMA

DRAWING NO. E2

DENOTES: PIPE STRUT.
ATTACHED WITH $\frac{3}{4}$"ø X $1\frac{1}{2}$" A325 BOLTS.



ELEVATION "A"
BUILDING "A"



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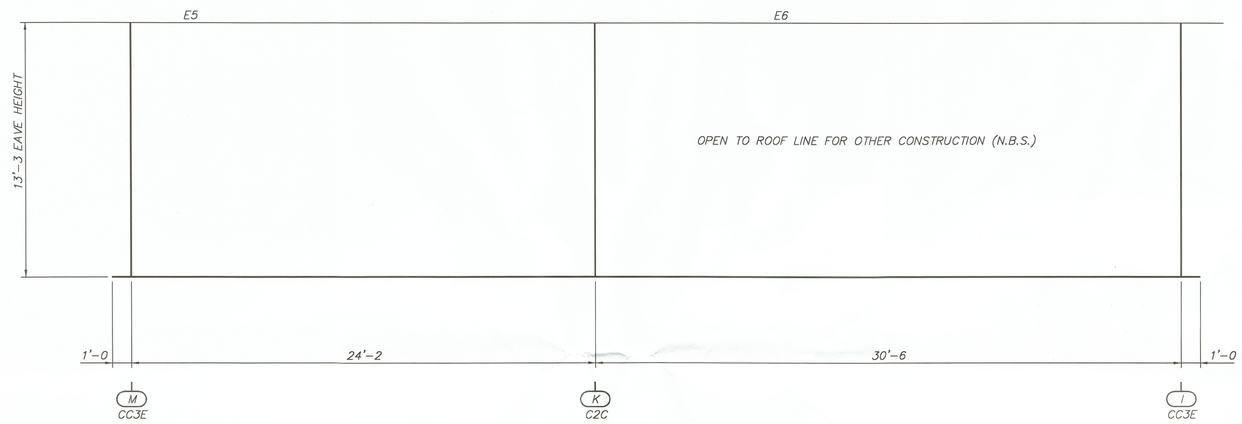
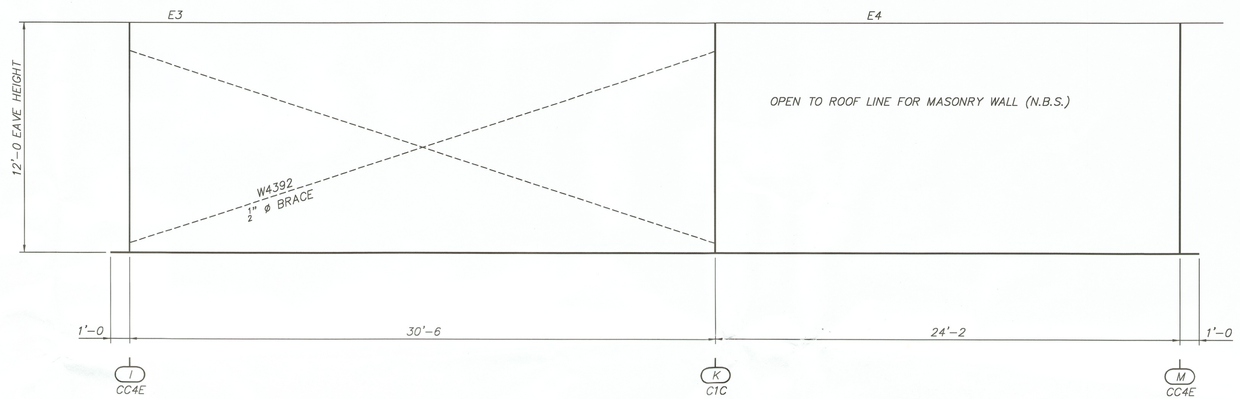
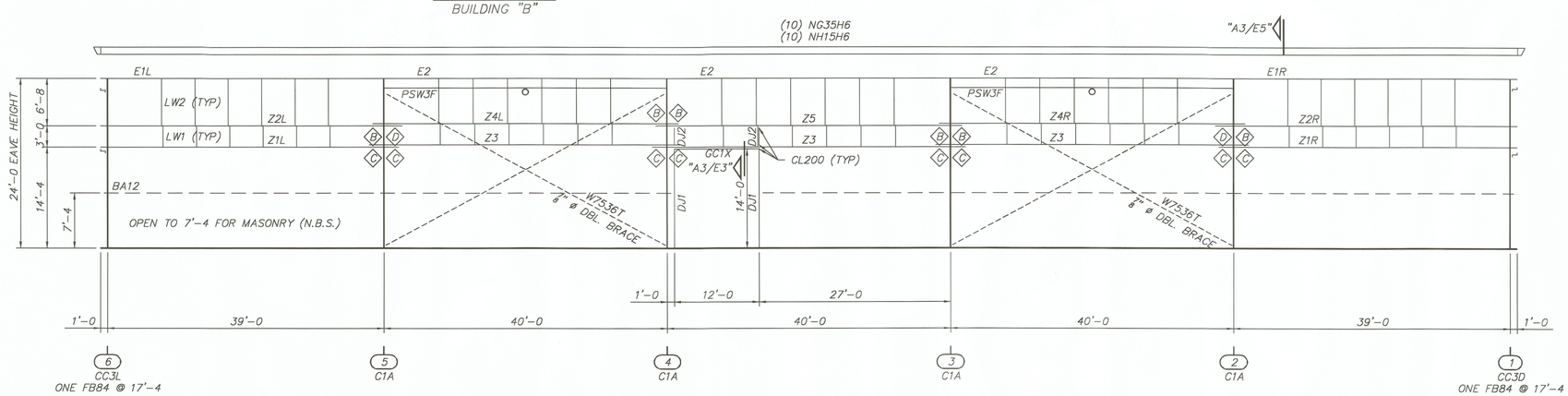


ELEVATION "B"
BUILDING "B"



ELEVATION "D"
BUILDING "B"



ELEVATION "C"
BUILDING "A"

STATE OF OHIO
DUSTIN L COLE
E-56126
REGISTERED PROFESSIONAL ENGINEER

FOR PERMIT PURPOSES

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OKLAHOMA CITY, OK. 73149
OHIO P.E. 56126

Z_SECTION LAP TABLE

SYMBOL	LAP	SYMBOL	LAP	SYMBOL	LAP
A	1'-1 LAP	E	3'-$2\frac{1}{4}$ LAP	I	4'-7 LAP
B	1'-7 LAP	F	3'-7 LAP	K	5'-1 LAP
C	2'-1 LAP	G	4'-1 LAP	L	5'-7 LAP
D	2'-7 LAP	H	$2\frac{1}{4}$ LAP		

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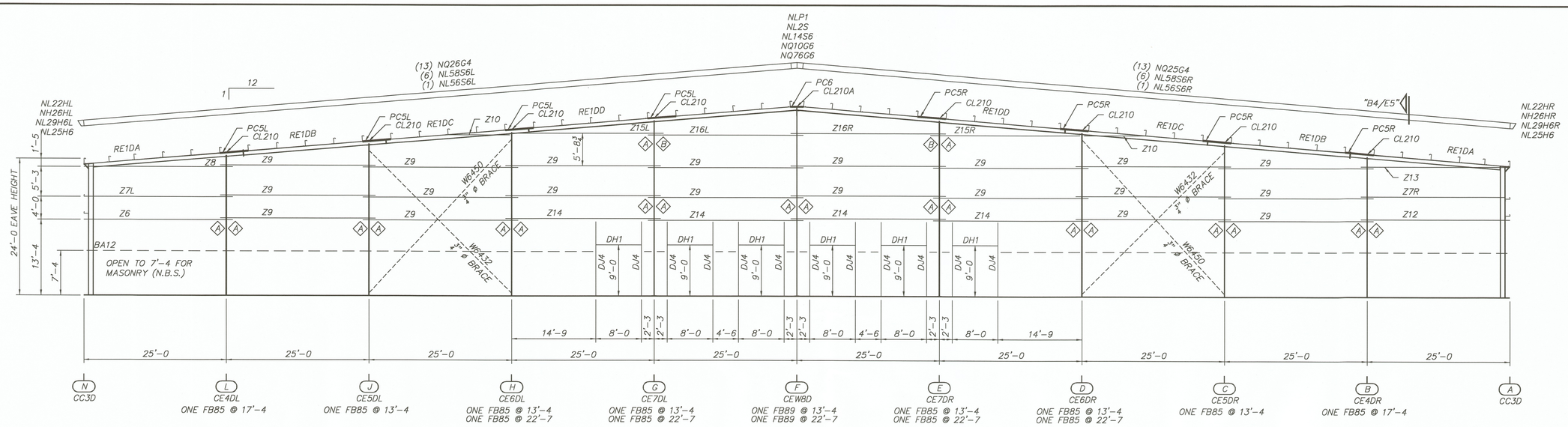
MICHAEL A.FARINA
MASSILLON, OH

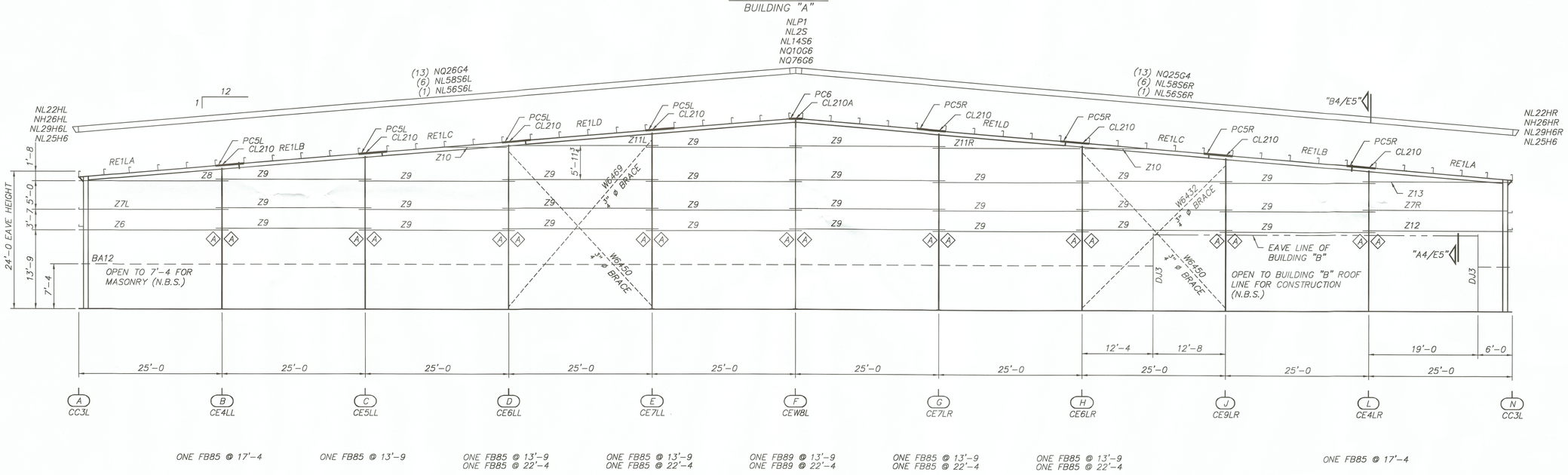
JOB NO. 99 B 86665

MEMBER MBMA

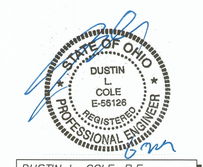
DRAWING NO. E3



ELEVATION "B"
BUILDING "A"



ELEVATION "D"
BUILDING "A"



FOR PERMIT PURPOSES

DUSTIN L. COLE, P.E.
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OHIO P.E. 56126

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B	1'-7 LAP	F	3'-7 LAP	K	5'-1 LAP
C	2'-1 LAP	G	4'-1 LAP	L	5'-7 LAP
D	2'-7 LAP	H	2 1/4 LAP		

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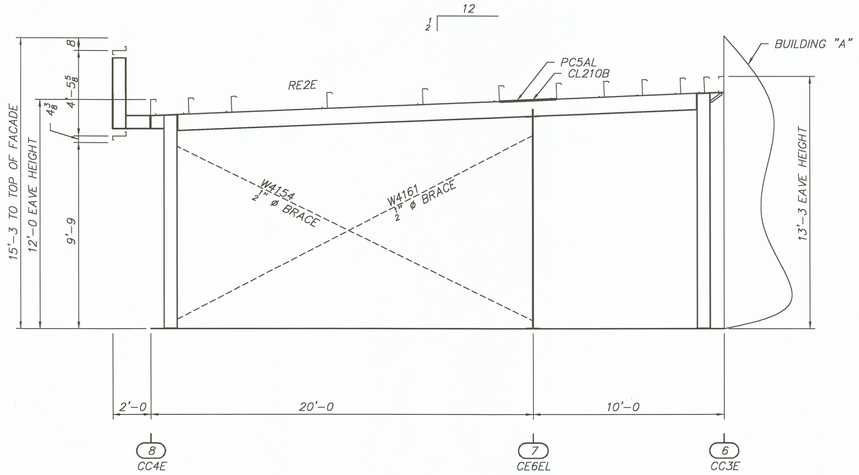
CUSTOMER:
MICHAEL A.FARINA
MASSILLON, OH

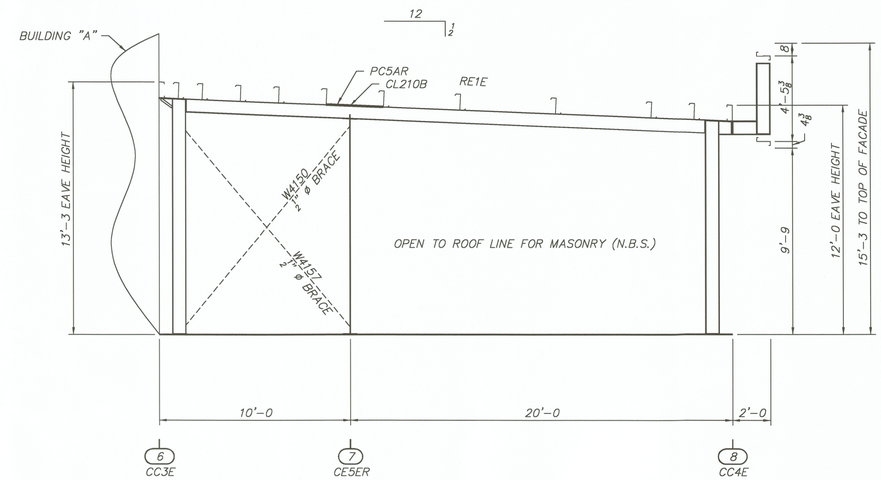
JOB NO. 99 B 86665

MEMBER MBMA

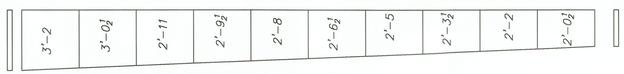
DRAWING NO. E4



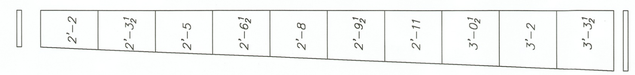
ELEVATION "C"
BUILDING "B"



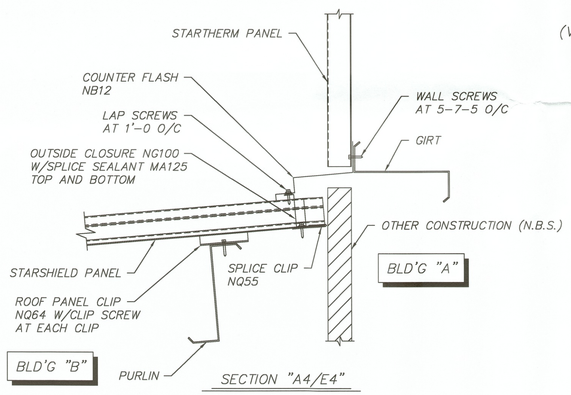
ELEVATION "A"
BUILDING "B"



BACK PANEL LAYOUT
ELEVATION "A"
(VIEWED FROM ELEVATION "C")



BACK PANEL LAYOUT
ELEVATION "C"
(VIEWED FROM ELEVATION "A")



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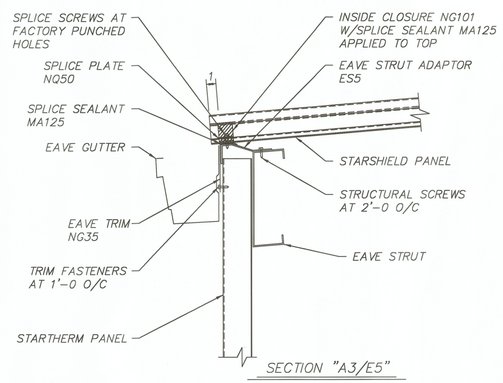

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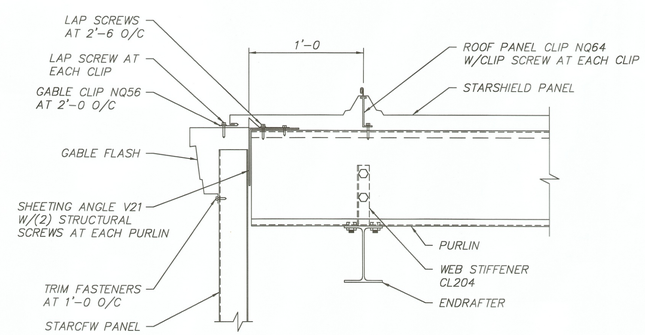

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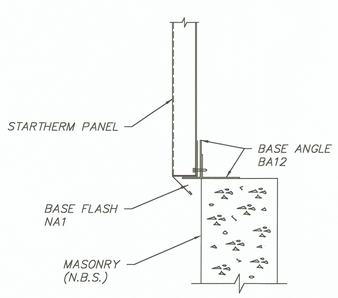

SECTION AT BASE OF PANELS (TYP)

FOR PERMIT PURPOSES

DUSTIN L. COLE, P.E.
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OKLAHOMA CITY, OK. 73149
OHIO P.E. 56126

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CHECKED	DATE
KGG	6/19/01

NOT TO SCALE

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A RobertsonCeco Company
P.O. BOX 94910
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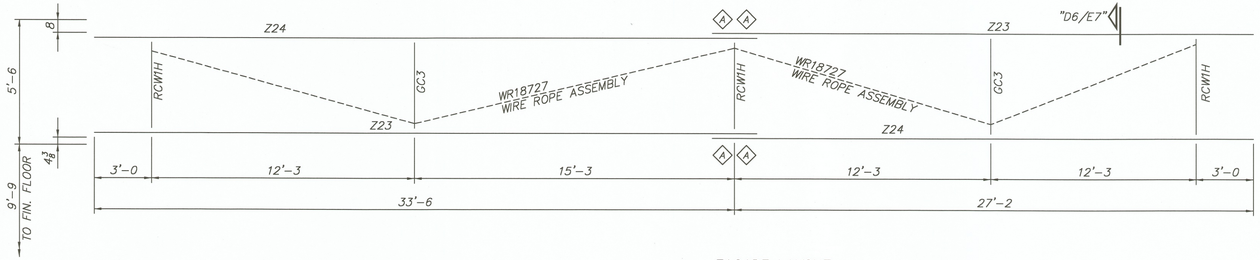
CUSTOMER:
MICHAEL A.FARINA
MASSILLON, OH

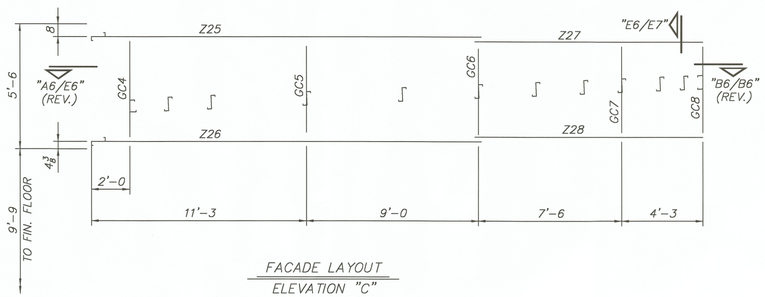
JOB NO. 99 B 86665

MEMBER MBMA

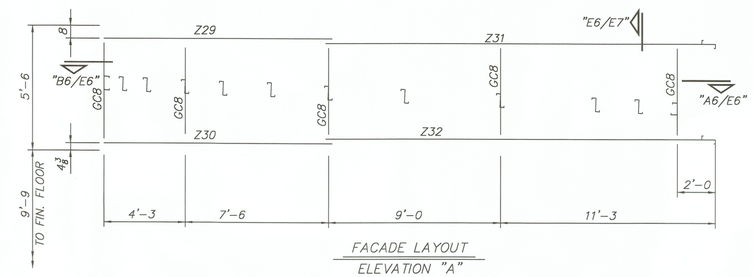
DRAWING NO. E5



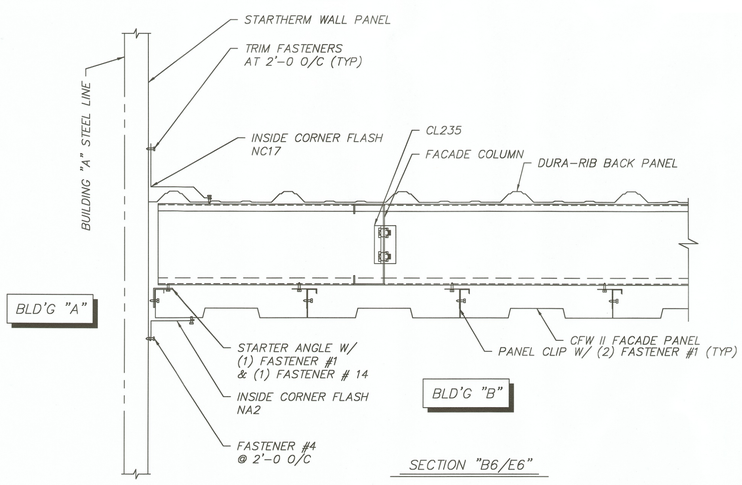
FACADE LAYOUT
ELEVATION "D"
(BUILDING "B")



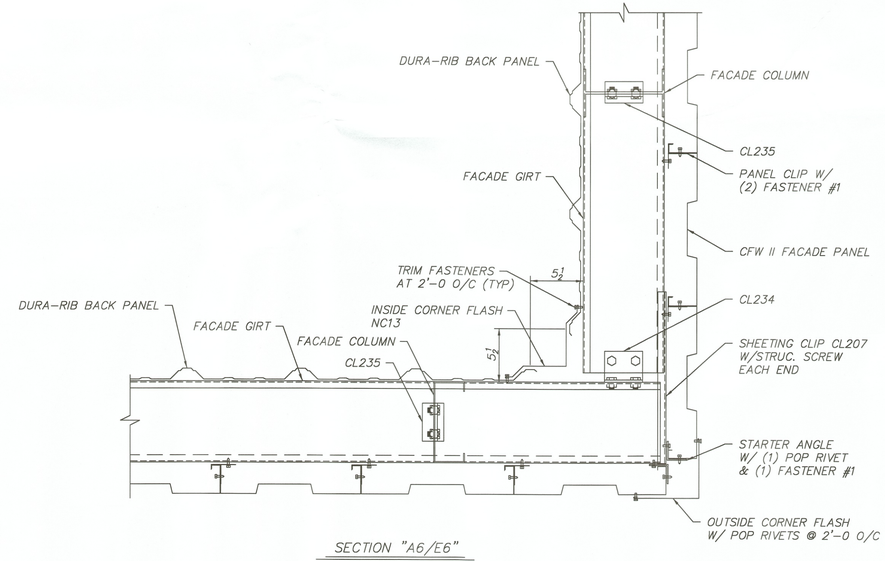
FACADE LAYOUT
ELEVATION "C"
(BUILDING "B")



FACADE LAYOUT
ELEVATION "A"
(BUILDING "B")



SECTION "B6/E6"



SECTION "A6/E6"

STATE OF OHIO
DUSTIN L COLE
E-56126
REGISTERED
PROFESSIONAL ENGINEER

FOR PERMIT PURPOSES

DUSTIN L. COLE, P.E.
8600 S. I-35 SERVICE ROAD
OKLAHOMA CITY, OK. 73149
OHIO P.E. 56126

Z_SECTION LAP TABLE

SYMBOL	LAP	SYMBOL	LAP	SYMBOL	LAP
A	1'-1 LAP	E	3'-2 1/4 LAP	I	4'-7 LAP
B	1'-7 LAP	F	3'-7 LAP	K	5'-1 LAP
C	2'-1 LAP	G	4'-1 LAP	L	5'-7 LAP
D	2'-7 LAP	H	2 1/4 LAP		

NOTES:

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CHECKED	DATE
KGG	6/19/01

NOT TO SCALE

STAR BUILDING SYSTEMS
A RobertsonCeco Company
P.O. BOX 94910
OKLAHOMA CITY, OK 73143
(405) 636-2010

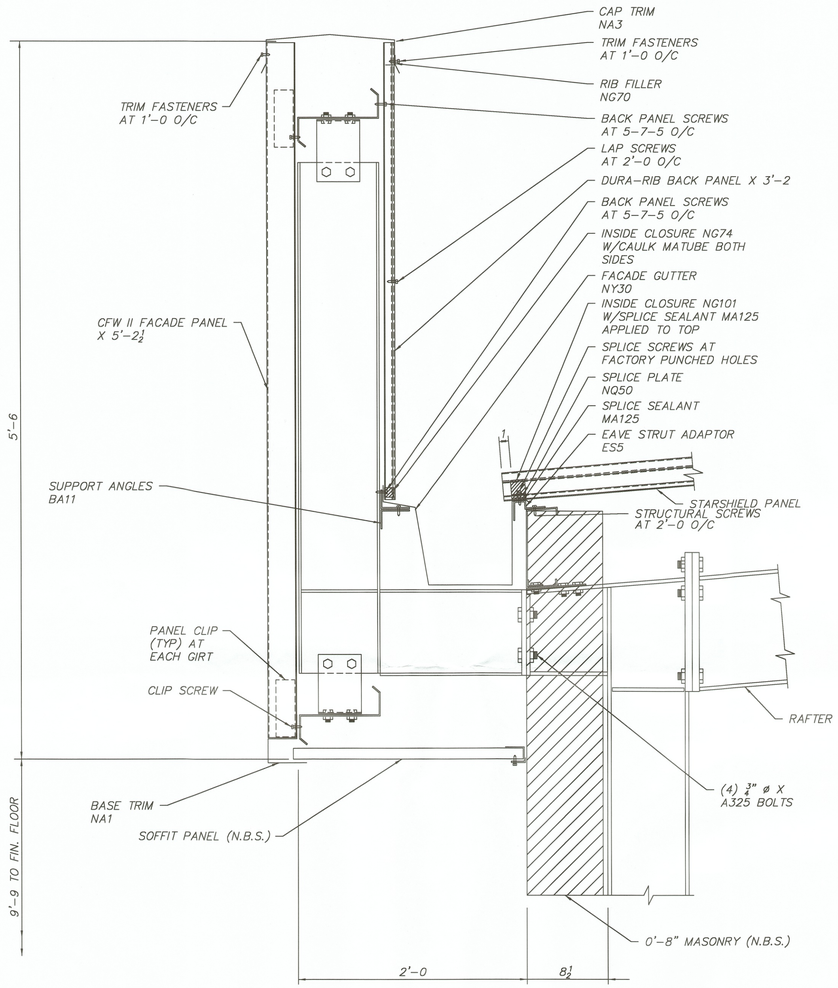
BUILDER:
ALL-OHIO BUILDINGS INC
MILLERSBURG, OH

CUSTOMER:
MICHAEL A.FARINA
MASSILLON, OH

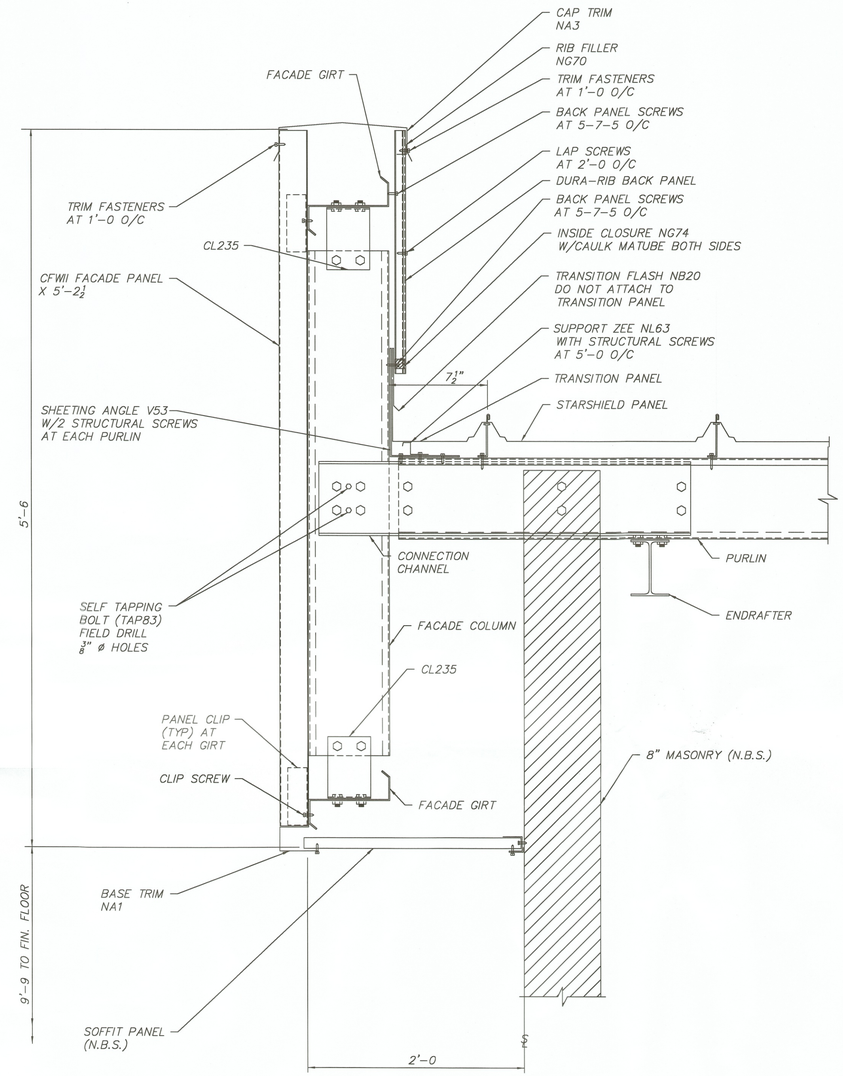
JOB NO. 99 B 86665

MEMBER MBMA

DRAWING NO. E6



SECTION "D6/E7"



SECTION "E6/E7"

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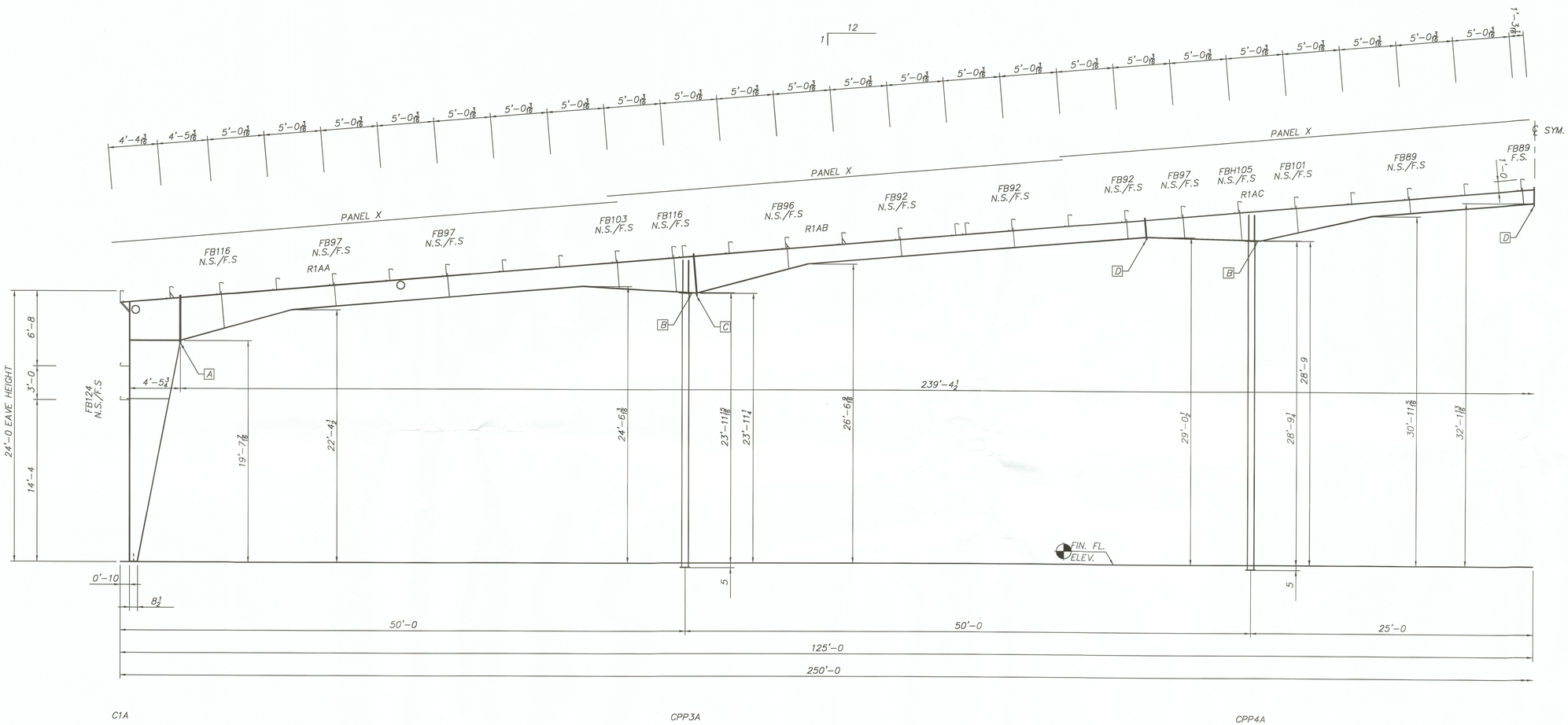
JOB NO. 99 B 86665

MEMBER MBMA

DRAWING NO. E7

GENERAL NOTES
FRAME CLEARANCES SHOWN ARE APPROXIMATE AND MAY VARY DUE TO CONDITIONS (DEFLECTION).

VERTICAL CLEARANCE DIMENSIONS ARE FROM FINISHED FLOOR REFERENCE ELEVATION.



C1A CPP3A CPP4A

CROSS SECTION AT FRAME LINES "2" – "5"
(BUILDING "A")

STATE OF OHIO
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REGISTERED PROFESSIONAL ENGINEER

FOR PERMIT PURPOSES

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OHIO P.E. 56126

SPLICE BOLT TABLE

CONN.	QTY. SIZE	TYPE	HARDENED WASHERS	BEVELED WASHERS
A	(10) 3/4 X 2	A325 B&N	0	0
B	(4) 1/2 X 1 3/4	A325 B&N	0	0
C	(12) 3/4 X 2	A325 B&N	0	0
D	(8) 3/4 X 2	A325 B&N	0	0

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DATE 6/19/01
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CUSTOMER:
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JOB NO. 99 B 86665
MEMBER MBMA
DRAWING NO. E8

GENERAL NOTES
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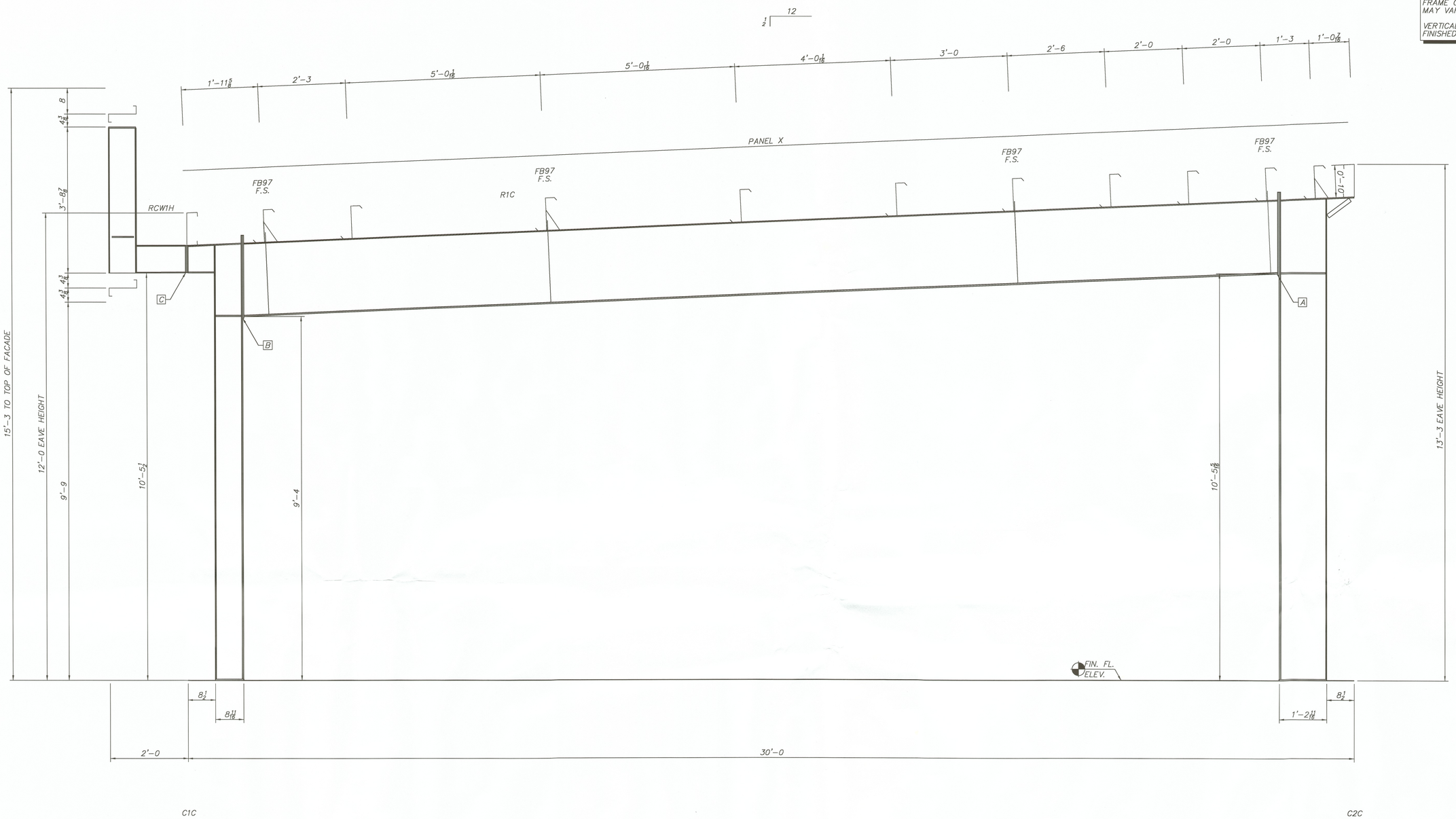
VERTICAL CLEARANCE DIMENSIONS ARE FROM FINISHED FLOOR REFERENCE ELEVATION.



CROSS SECTION AT FRAME LINE "K"
(BUILDING "B")

STATE OF OHIO
DUSTIN L. COLE E-56126 REGISTERED PROFESSIONAL ENGINEER

FOR PERMIT PURPOSES

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OHIO P.E. 56126

SPLICE BOLT TABLE

CONN.	QTY.	SIZE	TYPE	HARDENED WASHERS	BEVELED WASHERS
A	(8)	3/4 X 2	A325 B&N	0	0
B	(6)	3/4 X 2	A325 B&N	0	0
C	(4)	3/4 X 2	A325 B&N	0	0

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