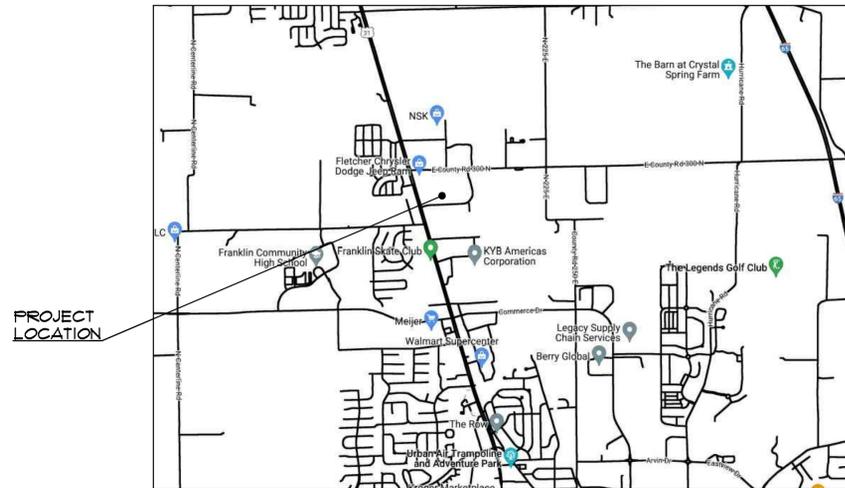


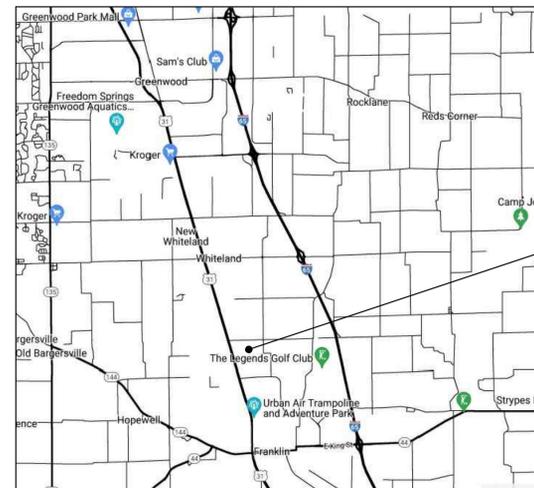
NEW ADDITION FOR : INNOVATIVE 3D MANUFACTURING

600 INTERNATIONAL DRIVE
INDIANAPOLIS, INDIANA 46131



LOCATION MAP

NO SCALE



VICINITY MAP

NO SCALE



GENERAL CONSTRUCTION PROJECT NOTES:

1. THE CONTRACTOR SHALL FILE FOR PERMIT APPLICATIONS FOR STRUCTURAL BUILDING PERMITS AS REQUIRED BY LOCAL ORDINANCES TO PERFORM THIS WORK. SUB-CONTRACTORS WILL BE RESPONSIBLE FOR OBTAINING THEIR OWN LOCAL PERMITS. THE ARCHITECT SHALL FILE FOR STATE PLAN REVIEW AND PROVIDE A CONSTRUCTION DESIGN RELEASE (CDR) FOR USE IN OBTAINING LOCAL PERMITS. ADDITIONAL CITY PLAN REVIEW FEES, IMPROVEMENT LOCATION PERMITS, & PERMITS OTHER THAN THE STRUCTURAL PERMIT, SHALL BE REIMBURSABLE TO THE G.C. BY THE OWNER WHEN OBTAINING THE PERMIT.
2. THE DRAWINGS ARE NOT TO BE SCALED WITHOUT THE APPROVAL OF THE ARCHITECT. THE CONTRACTORS SHALL VERIFY ALL DIMENSIONS & JOB CONDITIONS PRIOR TO COMMENCING WORK & SHALL REPORT TO THE ARCHITECT ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK. BUILT-IN CABINETS, TOPS & EQUIPMENT SIZES SHOULD BE FIELD VERIFIED & SITE CONFIRMED.
3. THE USE OF THE WORDS 'PROVIDE' OR 'PROVIDED' IN CONNECTION WITH ANY ITEM SPECIFIED, IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
4. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS & CERTIFICATES OF OCCUPANCY.
5. THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS ON THE SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES.
6. ALL LABOR, CONSTRUCTION MATERIALS, PROVIDED & INSTALLED TO COMPLETE THE WORK IN THESE DOCUMENTS SHALL BE EXECUTED IN COMPLETE COMPLIANCE W/ ALL LOCAL, STATE & FEDERAL CODES, PRACTICES OR ORDINANCES & WITHIN THE CONSTRAINTS OF THE HIGHEST ACCEPTABLE CONSTRUCTION PRACTICES.
7. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL FURNISH A LIST OF ALL SUBCONTRACTORS, INCLUDING ADDRESSES, TELEPHONE NUMBERS & TRADE & A CONSTRUCTION SCHEDULE SHOWING THE CHRONOLOGICAL PHASES OF THE WORK. THIS SCHEDULE SHALL INDICATED ALL ORDERING LEAD TIMES, LENGTH OF TIME OF EACH PHASE, ITS START & COMPLETION, & PROJECTED COMPLETION DATE.
8. THE CONTRACTOR SHALL PROVIDE SUPERVISION AND COORDINATION OF ALL SUBCONTRACTORS' WORK INCLUDING ALL WORK PERFORMED BY OTHERS INCLUDING SUPPLIERS OF OWNER SUPPLIED ITEMS.
9. THE CONTRACTOR SHALL COORDINATE & CONTRACTORS SHALL PROVIDE DAILY CLEANUP OF ALL ASSOCIATED CONSTRUCTION DEBRIS & DIRT W/ THEIR WORK. FINAL CLEANING PER MANUFACTURER'S INSTRUCTIONS OF ALL FINISH SURFACES, & WILL MAKE EVERY POSSIBLE EFFORT TO CONTROL DUST ON ADJACENT PROPERTIES.
10. UPON COMPLETION OF PROJECT, PROVIDE OWNER WITH ALL INSTRUCTION MANUALS, WARRANTIES OR OTHER DOCUMENTS REQUIRED FOR OPERATION OR MAINTENANCE OF ANY ITEM IN THE CONTRACTOR'S WORK.
11. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY & SECURITY OF THE JOBSITE, DUST PROTECTION OF THE EXISTING CHURCH PROPERTY & PERSONNEL, AND SECURITY MEANS FOR HIS WORK UNTIL TURNED OVER TO THE OWNER.

PROJECT MANAGER:

CHRISTOPHER DUKE
600 INTERNATIONAL DRIVE
FRANKLIN, INDIANA 46131
EMAIL: cduke@eol.com

ARCHITECT:

Mack Architects
JAMES MACK, R.A.
5920 North Keystone Avenue
Indianapolis, Indiana 46220
Phone: (317) 251-2468 Fax: (317) 251-2469
EMAIL: jmack@mackarchitects.com

PRE-ENGINEERED BUILDING

OLYMPIA STEEL BUILDINGS
4000 ISLAND AVENUE
MCKEES ROCKS, PA 15136
PHONE: (888) 449-1156 FAX: (412) 111-4295

PROJECT LOCATION

Mack Architects

Mack Architects, P.C.
5920 North Keystone Avenue
Indianapolis, Indiana 46220
Phone: (317) 251-2468 Fax: (317) 251-2469
E-mail: mackarchitects@sbcglobal.net

PROJECT NO:
2232

NEW ADDITION FOR:

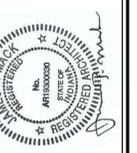
**INNOVATIVE 3D
MANUFACTURING**

600 INTERNATIONAL DRIVE
FRANKLIN, INDIANA 46131

ISSUE DATE:
NOVEMBER 8, 2022

REVISIONS:

CERTIFICATION



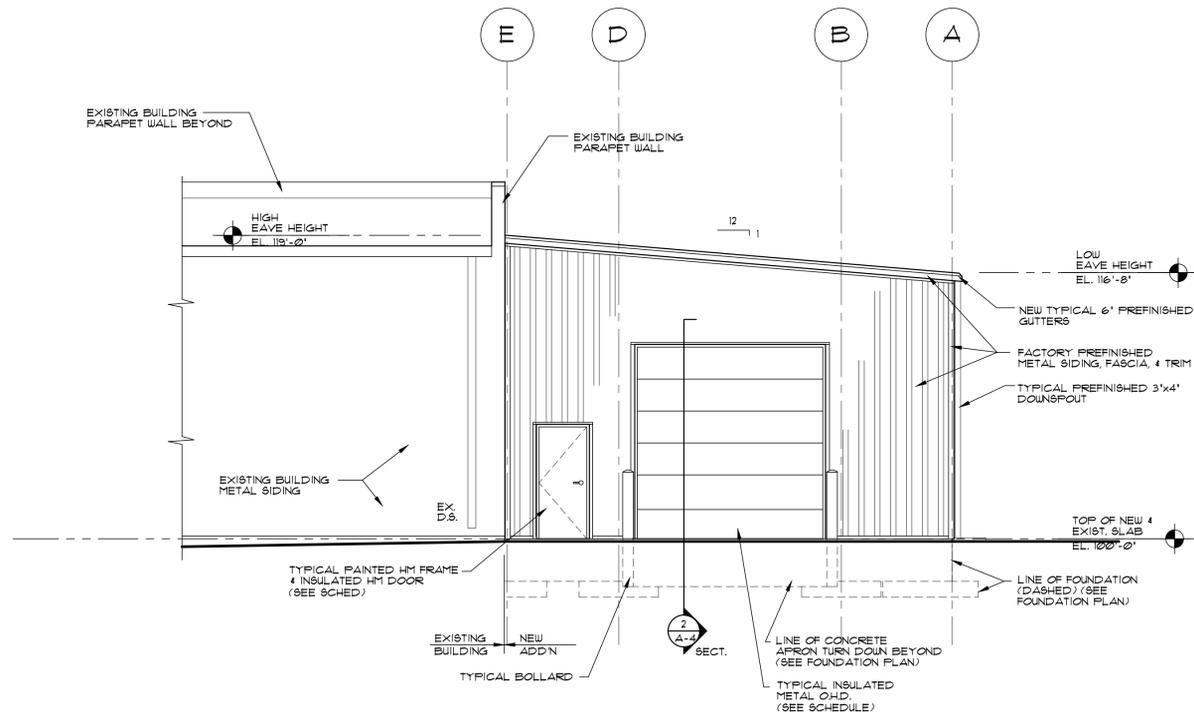
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SHEET NO.

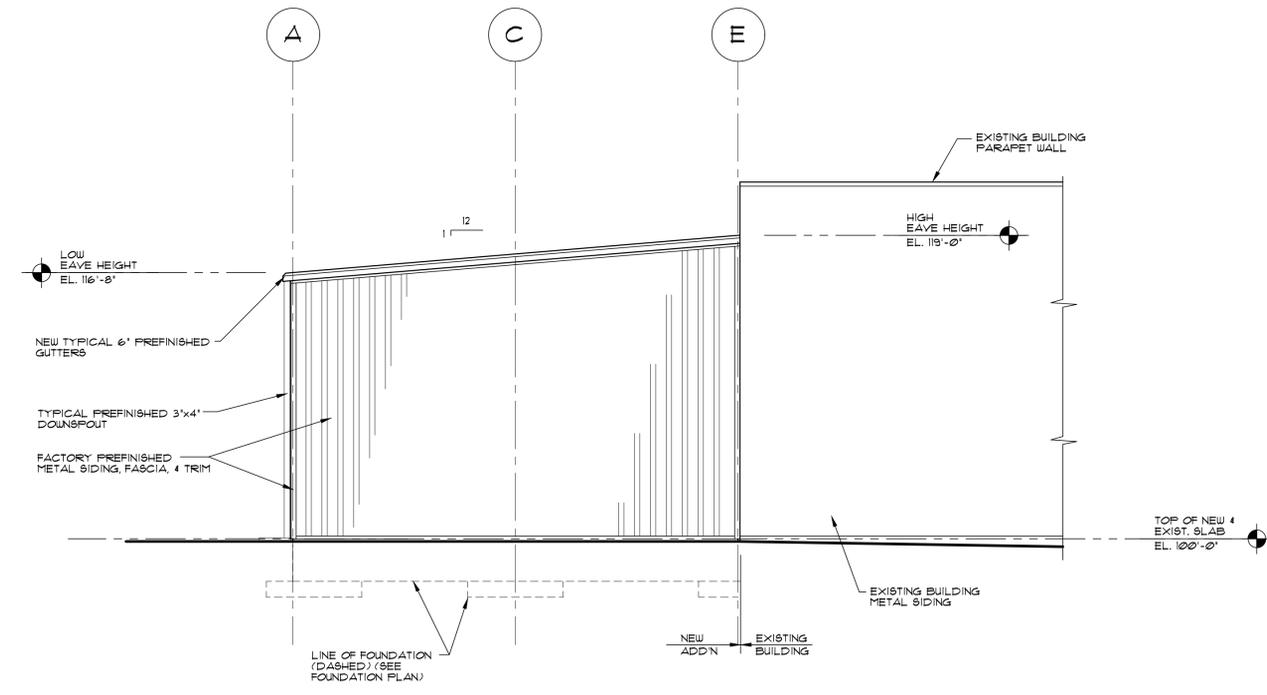
SHEET INDEX

- T-1 COVER SHEET & PROJECT NOTES
- SD-1 SITE DEVELOPMENT PLAN
- LS-1 LIFE SAFETY PLAN
- F-1 FOUNDATION PLAN & NOTES
- F-2 FOUNDATION DETAILS
- A-1 FLOOR PLAN, DOOR & INTERIOR FINISH SCHEDULES
- A-2 EXTERIOR ELEVATIONS
- A-3 ROOF PLAN & NOTES
- A-4 WALL SECTIONS
- MP-1 HVAC & PLUMBING PLAN
- E-1 LIGHTING & POWER PLAN

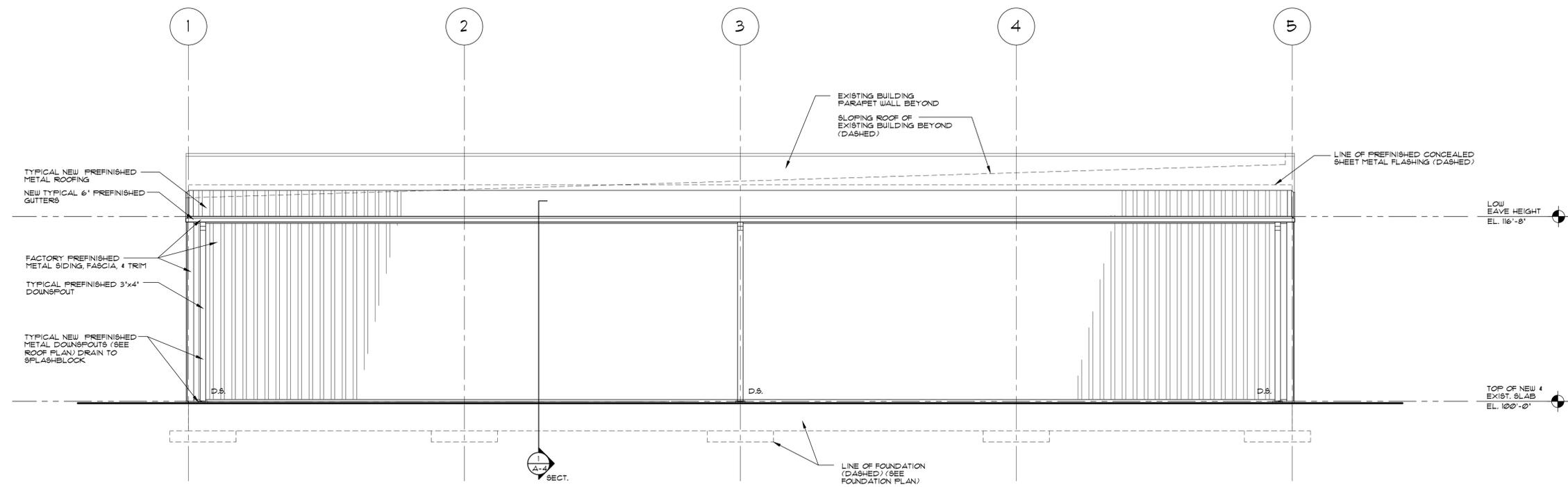
METAL BUILDING DRAWINGS (BY OLYMPIA STEEL BUILDINGS)



2 NORTH ELEVATION
 A-2 SCALE: 3/16" = 1'-0"



3 SOUTH ELEVATION
 A-2 SCALE: 3/16" = 1'-0"



1 WEST ELEVATION
 A-2 SCALE: 3/16" = 1'-0"

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Mack Architects
 Mack Architects, P.C.
 5920 North Keystone Avenue
 Indianapolis, Indiana 46220
 Phone: (317) 251-2468 Fax: (317) 251-2469
 E-mail: mackarchitects@sbcglobal.net

PROJECT NO:
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NEW ADDITION FOR:
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 FRANKLIN, INDIANA 46131

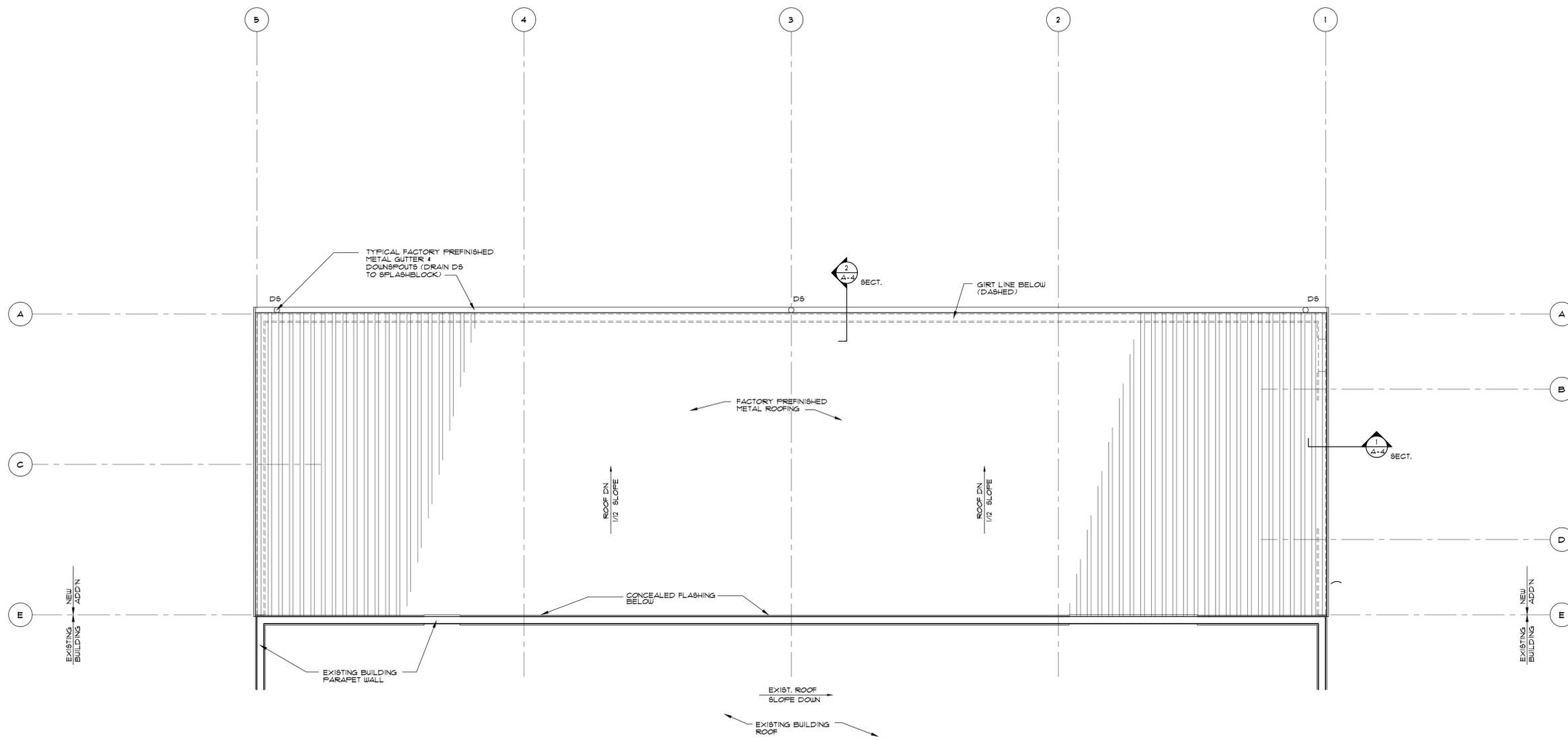
ISSUE DATE:
NOVEMBER 8, 2022

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NO.	DESCRIPTION

CERTIFICATION

A-2
SHEET NO.



1
A-3 **ROOF PLAN**
SCALE: 3/16" = 1'-0"



Mack Architects
 Mack Architects, P.C.
 5920 North Keystone Avenue
 Indianapolis, Indiana 46220
 Phone: (317) 251-2468 Fax: (317) 251-2469
 E-mail: mackarchitects@sbcglobal.net

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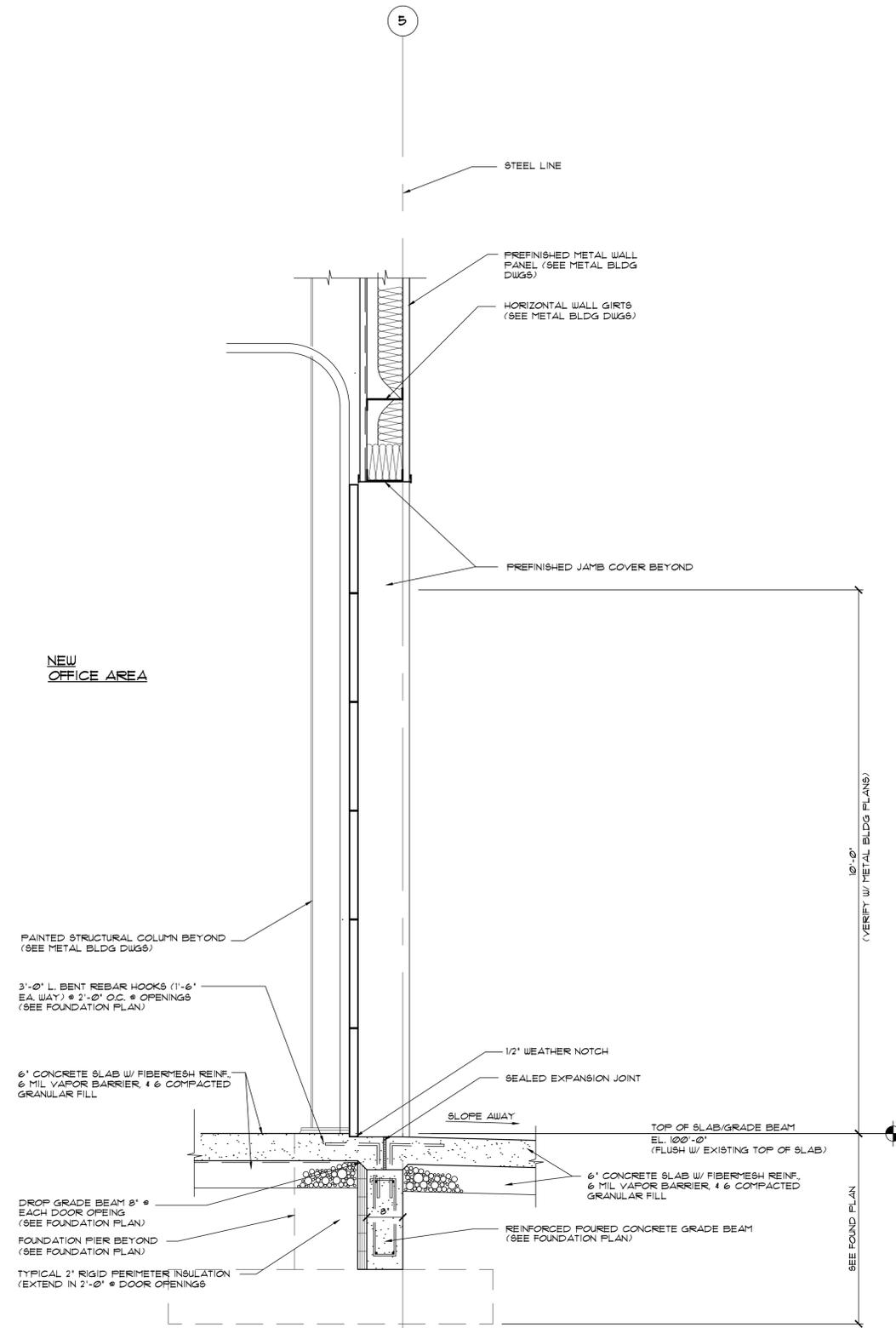
REVISIONS:

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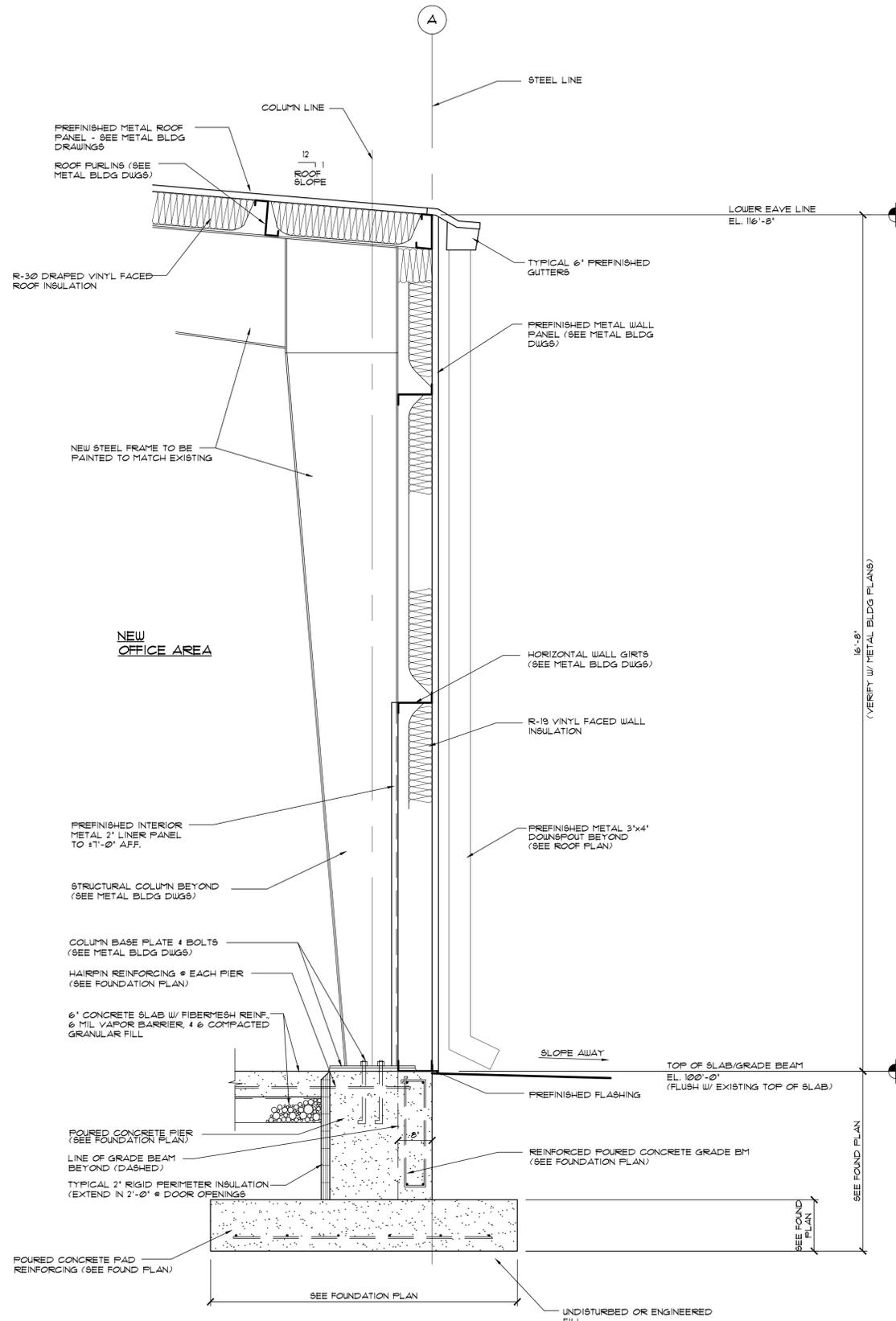


A-3

SHEET NO.



2 WALL SECTION
SCALE: 3/4" = 1'-0"



1 WALL SECTION
SCALE: 3/4" = 1'-0"

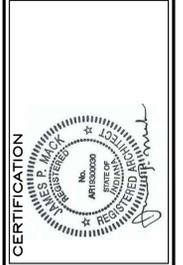
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Mack Architects
Mack Architects, P.C.
5920 North Keystone Avenue
Indianapolis, Indiana 46220
Phone: (317) 251-2468 Fax: (317) 251-2469
E-mail: mackarchitects@sbcglobal.net

PROJECT NO:	2232
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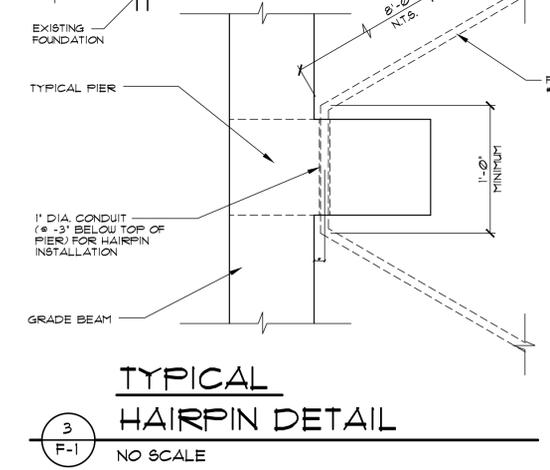
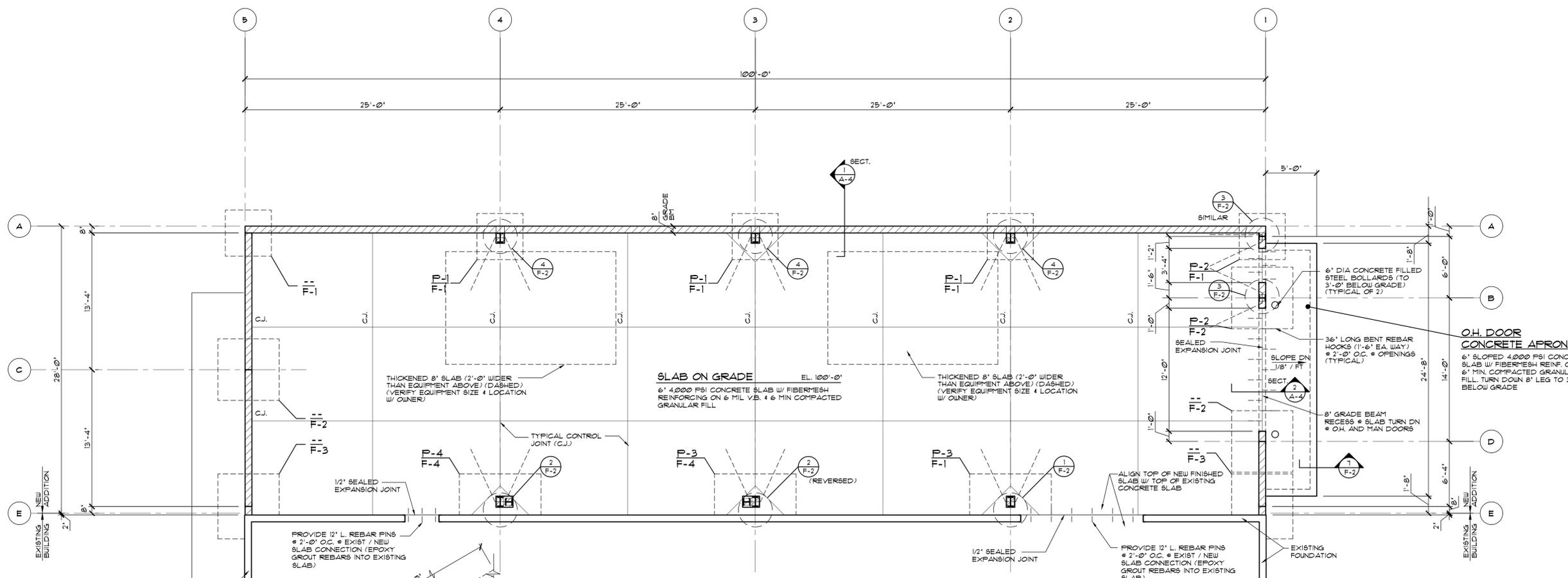
A-4
SHEET NO.

FOUNDATION NOTES:

- FIELD VERIFY ALL DIMENSION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR DEVIATIONS PRIOR TO START OF CONSTRUCTION.
- REMOVE ALL TOPSOIL TO A MINIMUM DEPTH OF 6 INCHES IN AREAS TO BE OCCUPIED BY PAVING, CONCRETE, BUILDING OR OTHER STRUCTURES. STORE TOPSOIL THAT IS REQUIRED FOR FUTURE USE ON SITE, IF APPLICABLE. REMOVE ALL EXCESS TOPSOIL AND DEBRIS FROM THE SITE.
- EXCAVATE SITE AS REQUIRED TO FINISH GRADE WITH A SUITABLE ALLOWANCE FOR TOPSOIL AND/OR PAVING. FILL AREAS WHERE GRADE RAISE IS REQUIRED WITH EXCAVATED OR IMPORTED EARTH. EARTH USED SHALL BE FREE FROM ORGANIC MATTER AND LARGE ROCKS. PLACE FILL MATERIAL IN LAYERS NOT TO EXCEED 6 INCHES IN LOOSE DEPTH. REMOVE ALL EXCESS EXCAVATED MATERIAL FROM THE SITE.
- DEPTHS OF FOOTINGS SHALL BE AS INDICATED OR TO UNDISTURBED EARTH, WHICH EVER IS GREATER. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 3'-0" BELOW FINISH GRADE.
- SEE METAL BUILDING DRAWINGS FOR COLUMN ANCHOR BOLT SIZE & LOCATIONS.
- SEE ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS SECTIONS, DETAILS, SIZES AND LOCATION OF SLABS, FOUNDATIONS, PIERS, FOOTINGS, REINFORCING STEEL, ANCHOR BOLTS, FILLS AND GRADES.
- ALL CONCRETE IS DESIGNED AND SHALL BE PLACED IN ACCORDANCE WITH CURRENT A.C.I. CODES. (STANDARD SPECIFICATION FOR READY-MIX CONCRETE)
- ALL CONCRETE FOOTINGS AND INTERIOR & EXTERIOR SLABS SHALL BE 4,000 PSI @ 28 DAYS.
- ALL REINFORCING BARS SHALL HAVE A MINIMUM CONCRETE COVER OF: FOOTINGS = 3" PIERS = 2" UNO. WALLS = 1 1/2" @ EA FACE AND 3" TOP AND BOTTOM
- REINFORCING BARS SHALL BE SPLICED IN ACCORDANCE WITH CURRENT A.C.I. STANDARDS. (ANCHOR BOLTS SHALL NOT BE SET WITH CUMULATIVE MEASUREMENTS.)
- ALL REINFORCING STEEL SHALL BE GRADE 60 REBAR IN ACCORDANCE W/ ASTM A-615 SPECIFICATIONS.
- BEARING CAPACITY OF SOILS: ASSUMED TO BE 1500 PSF FOR COLUMN FOOTINGS. IF POOR SOIL CONDITIONS ARE ENCOUNTERED, PROVIDE CORRECTED PROCEDURES AS FORMULATED BY THE OWNER'S SOILS ENGINEER OR ARCHITECT.
- FOOTINGS SHALL BEAR ON COMPACTED FILL OR ACCEPTABLE VIRGIN SOIL AT A MINIMUM DEPTH BELOW THE FROST LINE.
- THE GENERAL CONTRACTOR AND FOUNDATION CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE NECESSARY AND REQUIRED SLEEVES IN THE FOUNDATION WALL FOR ALL UTILITIES. SLEEVE LOCATIONS ARE TO BE VERIFIED BY AND IN ACCORDANCE WITH THE ELECTRICAL, MECHANICAL AND PLUMBING CONTRACTOR RECOMMENDATIONS.
- THE APPLICABLE CONTRACTOR IS RESPONSIBLE FOR PATCHING AROUND PENETRATIONS TO PROVIDE A WATER RESISTANT PENETRATION IN FOUNDATION.
- ALL ABOVE GRADE CONCRETE SLABS SHALL CONTAIN 6x6x10/10 WJM OR 'NYCON' FIBER ADDITIVE REINFORCING OR AN APPROVED EQUIVALENT IN THE AMOUNT OF 15 LBS PER CU/YD. PLACE IN ACCORD WITH THE MANUFACTURERS INSTRUCTIONS.
- NO CONCRETE SLUMP SHALL EXCEED 4", 3" TOLERANCE.
- COLD WEATHER CONCRETE SHALL BE PLACED IN ACCORDANCE WITH A.C.I. 306R.
- CURE ALL HORIZONTAL SURFACES WITH LIQUID CURING COMPOUND. VERIFY COMPATIBILITY WITH SURFACE COATING TO BE UTILIZED IN THE REST ROOMS.
- ALL STEEL COLUMN ANCHOR BOLTS ARE TO BE 3/4" DIA. F1554 GR36 THREADED RODS, UNO.

FOUNDATION PAD SCHEDULE			
PAD NUMBER	SIZE	REINFORCEMENT	REMARKS
F1	4'-6" x 4'-6" x 1'-0"	(5) #4 @ 12" O.C. EA. WAY (BOTTOM)	T.O. FTG @ -2'-6"
F2	6'-0" x 6'-0" x 1'-0"	(6) #3 @ 12" O.C. EA. WAY (TOP)	T.O. FTG @ -2'-6"
F3	4'-0" x 6'-0" x 1'-0"	(4) #4 @ 12" O.C. EA. WAY (TRANSVERSE) / (BOTTOM)	T.O. FTG @ -2'-6"
F4	4'-0" x 8'-0" x 1'-0"	(4) #5 @ 12" O.C. EA. WAY (TRANSVERSE) / (BOTTOM)	T.O. FTG @ -1'-0"

FOUNDATION PIER SCHEDULE			
PIER NUMBER	SIZE	REINFORCEMENT	TOP OF PIER ELEVATION
P1	10" x 20"	(6) #5 VERTICAL W/ #3 TIES @ 12" O.C.	0'-0"
P2	8" x 8"	(4) #5 VERTICAL W/ #3 TIES @ 12" O.C.	0'-0"
P4	10" x 13"	(4) #5 VERTICAL W/ #3 TIES @ 12" O.C.	0'-0"
P4	13" x 20"	(6) #5 VERTICAL W/ #3 TIES @ 12" O.C.	0'-0"



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"
NOTE: SEE METAL BUILDING SUPPLIER PLANS FOR ANCHOR BOLT LOCATIONS & LAYOUTS

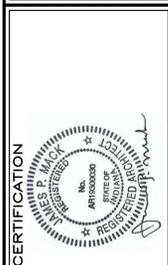
TYPICAL ANCHOR BOLT DETAIL
SCALE: 1 1/2" = 1'-0"

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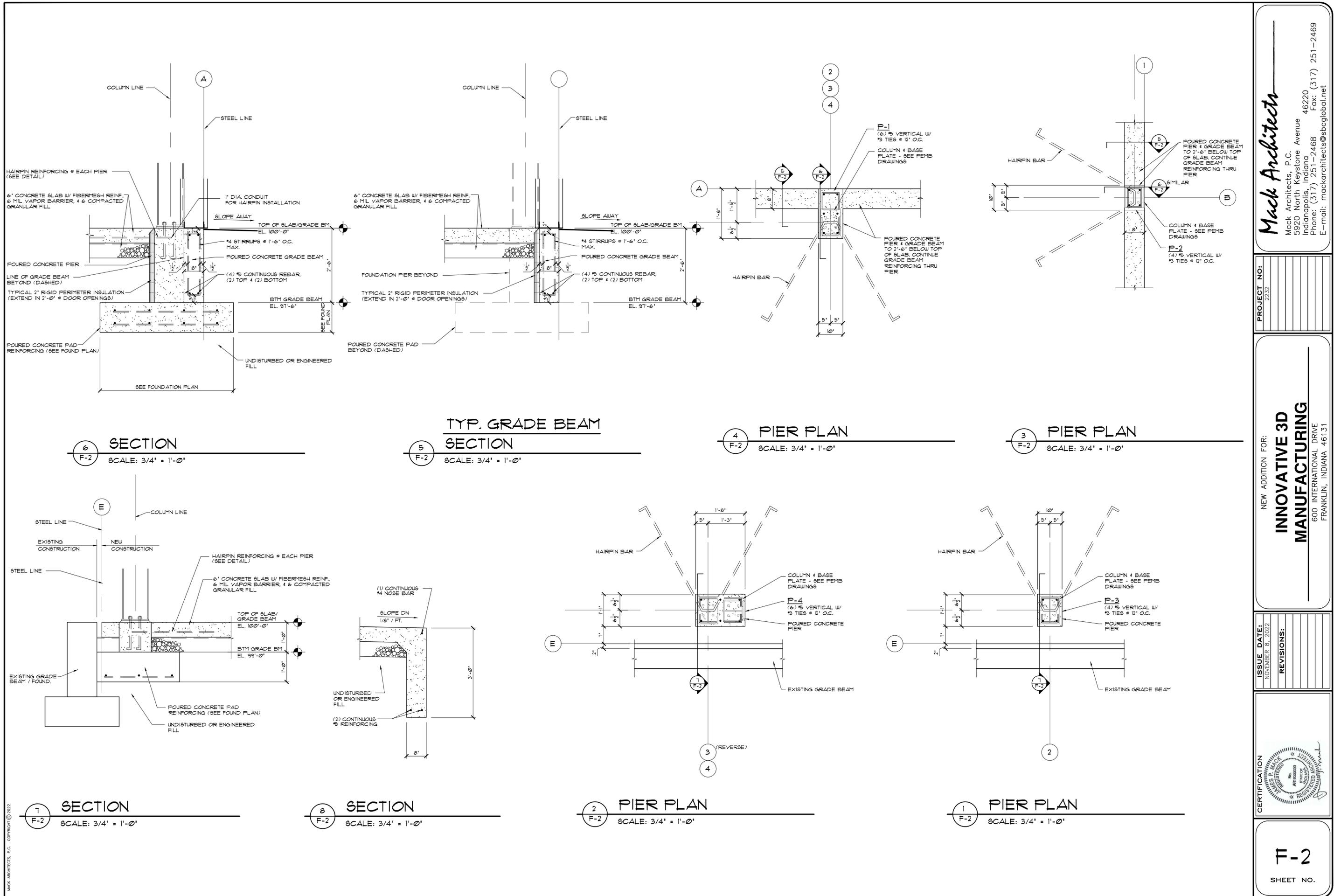
NEW ADDITION FOR:
INNOVATIVE 3D MANUFACTURING
600 INTERNATIONAL DRIVE
FRANKLIN, INDIANA 46131

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F-1
SHEET NO.

Mack Architects
Mack Architects, P.C.
5920 North Keystone Avenue
Indianapolis, Indiana 46220
Phone: (317) 251-2468 Fax: (317) 251-2469
E-mail: mackarchitects@sbcglobal.net



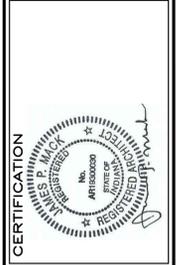
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Mack Architects
 Mack Architects, P.C.
 5920 North Keystone Avenue
 Indianapolis, Indiana 46220
 Phone: (317) 251-2468 Fax: (317) 251-2469
 E-mail: mackarchitects@sbcglobal.net

PROJECT NO:	2202
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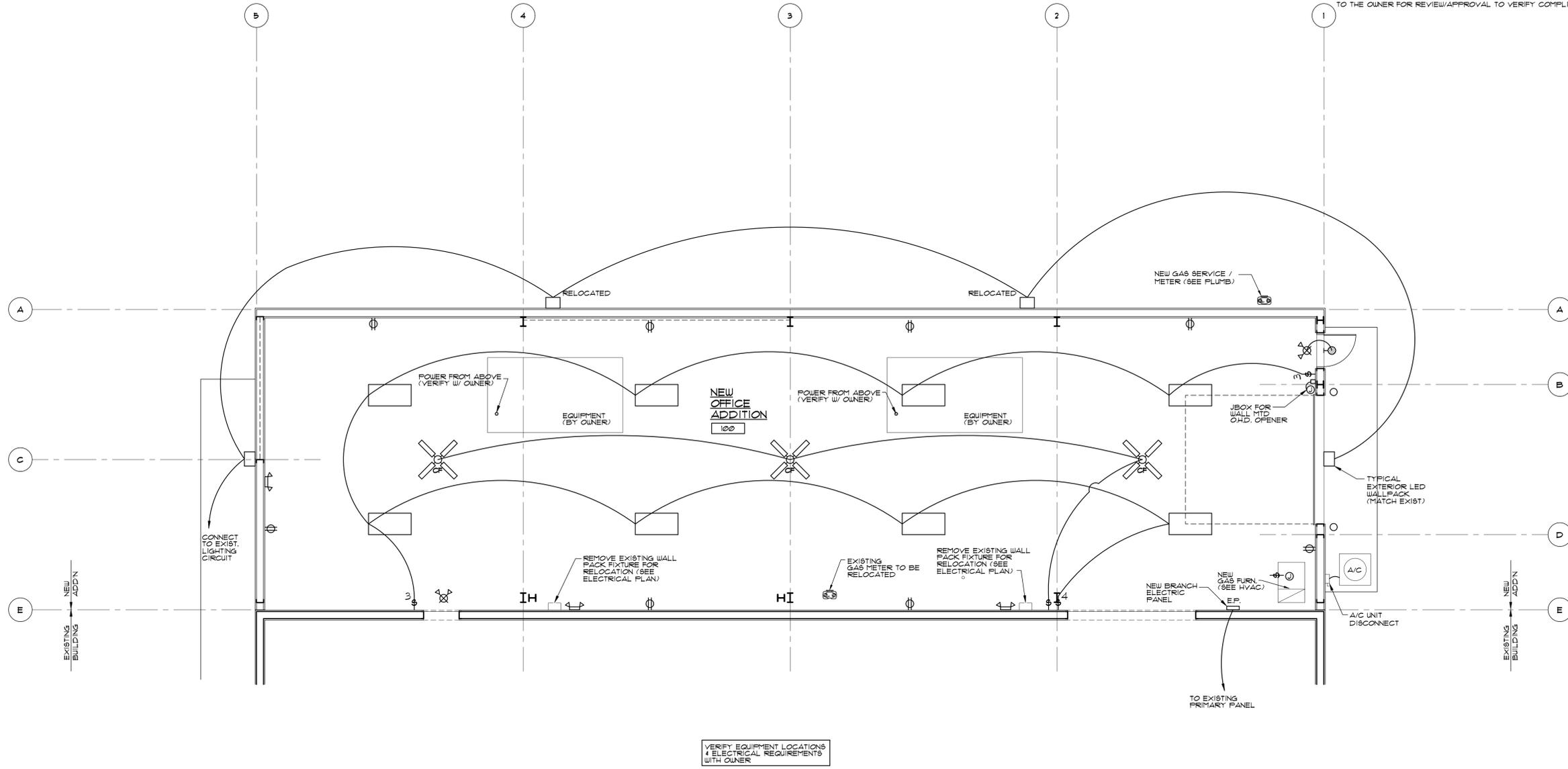
F-2
 SHEET NO.

LEGEND

-  LED PENDANT MOUNT FIXTURE (MATCH EXISTING)
-  LED EXTERIOR WALL PACK (MATCH EXISTING)
-  DUPLEX RECEPTACLE (VERIFY MOUNTING HEIGHT W/ OWNER)
-  120V JUNCTION BOX
-  MULTI-POLE SWITCH, AS INDICATED
-  ELECTRICAL DISCONNECT
-  LED ILLUMINATED 'EXIT' SIGN FIXTURE W/ TWIN EMERGENCY LIGHTING HEADS
-  EXTERIOR REMOTE EMERGENCY LIGHT FIXTURES
-  WALL MOUNT BATTERY EMERGENCY LIGHTING

ELECTRICAL NOTES:

1. WORK SHALL INCLUDE STARTUP OF ALL SYSTEMS, FURNISHING OF OPERATING AND MAINTENANCE INSTRUCTIONS, AND ONE YEAR GUARANTEE, COMMENCING ON DATE OF ACCEPTANCE.
2. FURNISH ALL MATERIAL AND EQUIPMENT AS SPECIFIED, EXCEPT WHERE SPECIFIED APPROVAL FOR SUBSTITUTION IS GIVEN.
3. PROPOSAL SHALL BE BASED ON SPECIFIED MATERIAL AND EQUIPMENT IN ORDER TO PROMOTE COMPETITION. BIDDERS ARE ENCOURAGED TO SUBMIT ALTERNATE PROPOSALS ON ANY ALTERNATE MATERIALS AND/OR EQUIPMENT THEY WISH TO PROPOSE, INCLUDING ANY PRICE CHANGE AFFECTED BY ACCEPTANCE OF ALTERNATES.
4. COST OF ANY CHANGES REQUIRED BY OTHER TRADES DUE TO SUBSTITUTION OF ALTERNATE EQUIPMENT SHALL BE INCLUDED IN THE ALTERNATE PROPOSAL.
5. VERIFY LOCAL CONDITIONS AT SITE.
6. ALL WORK IS TO BE IN ACCORDANCE WITH THE INDIANA ELECTRICAL CODE, LATEST EDITION, AS ADOPTED BY THE STATE AND LOCAL BUILDING DEPTS.
7. SECURE AND PAY FOR ALL REQUIRED PERMITS.
8. ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE CODE. INSULATED GROUNDING WIRE SHALL BE INCLUDED WITH ALL CIRCUITS.
9. ALL WIRES SHALL BE COPPER, M-C CABLE OR IN CONDUIT, MINIMUM SIZE #2 AWG. ALL CONDUCTORS #10 AND SMALLER SHALL HAVE 'THHN' TYPE INSULATION. CONDUCTORS LARGER THAN #10 SHALL HAVE 'THW' TYPE INSULATION.
10. FURNISH AND INSTALL TYPE WRITTEN PANEL DIRECTORY. IDENTIFY AND LABEL ALL ELECTRICAL SERVICE EQUIPMENT.
11. REFER TO MECHANICAL DRAWINGS FOR MOUNTING HEIGHTS AND MOUNTING DETAILS FOR ALL FIXTURES AND EQUIPMENT, WHERE APPLICABLE.
12. ALL HEIGHT DIMENSIONS SHOWN ON PLANS OR INDICATED IN THESE NOTES SHALL BE TO THE CENTER OF THE DEVICE.
13. SUBMIT A COPY OF PRODUCT LITERATURE W/ CONTRACTOR PRICING (IF INDICATED AS AN ALLOW. ITEM) FOR EACH MAJOR PIECE OF EQUIPMENT TO THE OWNER FOR REVIEW/APPROVAL TO VERIFY COMPLIANCE WITH DESIGN.



POWER & LIGHTING PLAN
 SCALE: 3/16" = 1'-0"



Mack Architects
 Mack Architects, P.C.
 5920 North Keystone Avenue
 Indianapolis, Indiana 46220
 Phone: (317) 251-2468 Fax: (317) 251-2469
 E-mail: mackarchitects@sbcglobal.net

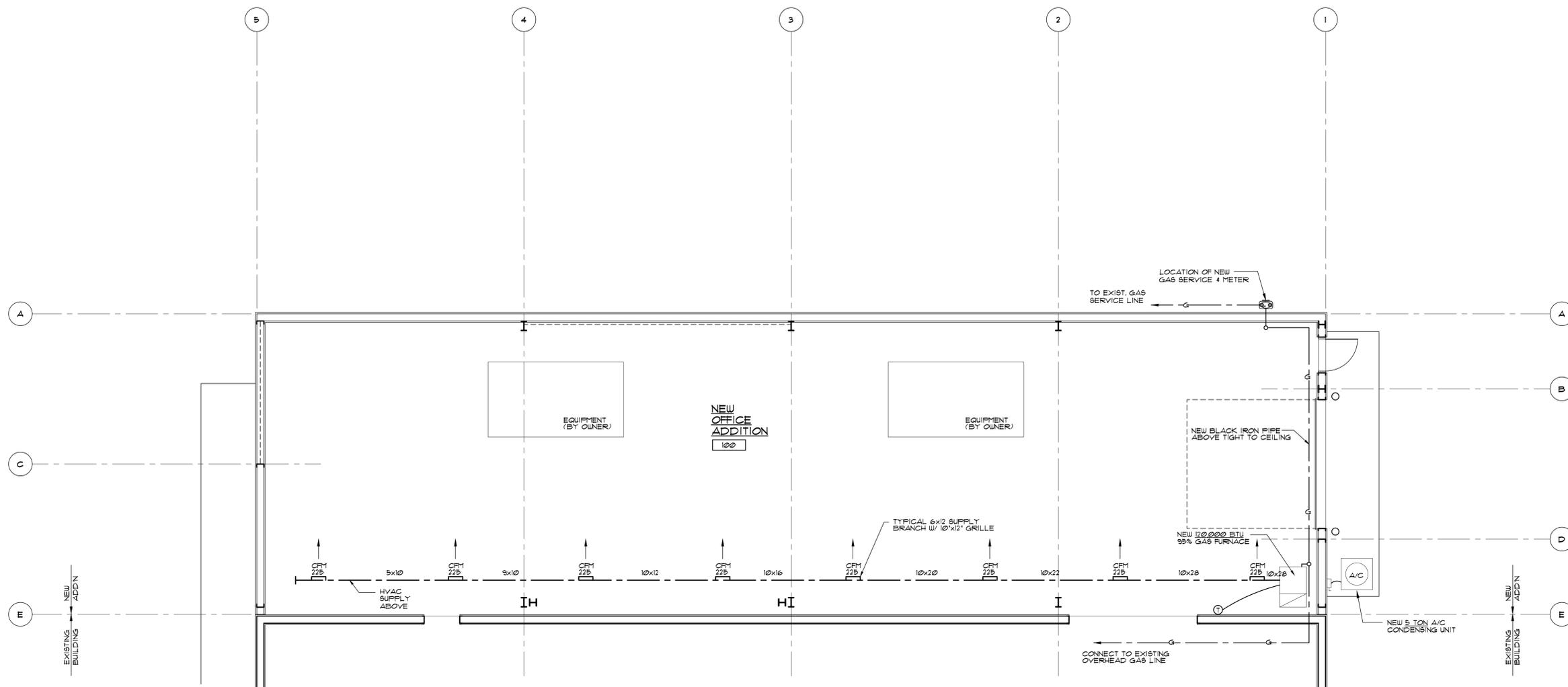
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E-1
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1
MP-1
HVAC PLAN
SCALE: 3/16" = 1'-0"



MECHANICAL NOTES:

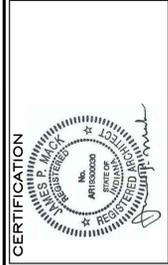
1. ALL WORK IS TO BE IN ACCORDANCE W/ THE INDIANA MECHANICAL CODE, LATEST EDITION AS ADOPTED BY THE STATE & LOCAL BUILDING DEPTS. WORK INCLUDES (1) NEW FLOOR MOUNTED GAS FIRED FURNACE AND (1) EXTERIOR A/C CONDENSING UNIT.
2. WORK SHALL INCLUDE STARTUP OF ALL SYSTEMS, FURNISHING OF OPERATING AND MAINTENANCE INSTRUCTIONS, AND ONE YEAR GUARANTEE, COMMENCING ON DATE OF ACCEPTANCE.
3. COMPLY WITH ALL APPLICABLE CODES.
4. SECURE AND PAY FOR ALL REQUIRED PERMITS.
5. PROVIDE ALL MATERIALS AND LABOR TO COMPLETE THE WORK AS INDICATED AND AS REQUIRED TO COMPLETE THE WORK.
6. PROVIDE THERMOSTATS FOR EACH HEATER.
7. PROVIDE A COPY OF ALL PRODUCT LITERATURE TO THE OWNER TO VERIFY COMPLIANCE WITH THE DESIGN.

PROJECT NO.:
2202

NEW ADDITION FOR:
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600 INTERNATIONAL DRIVE
FRANKLIN, INDIANA 46131

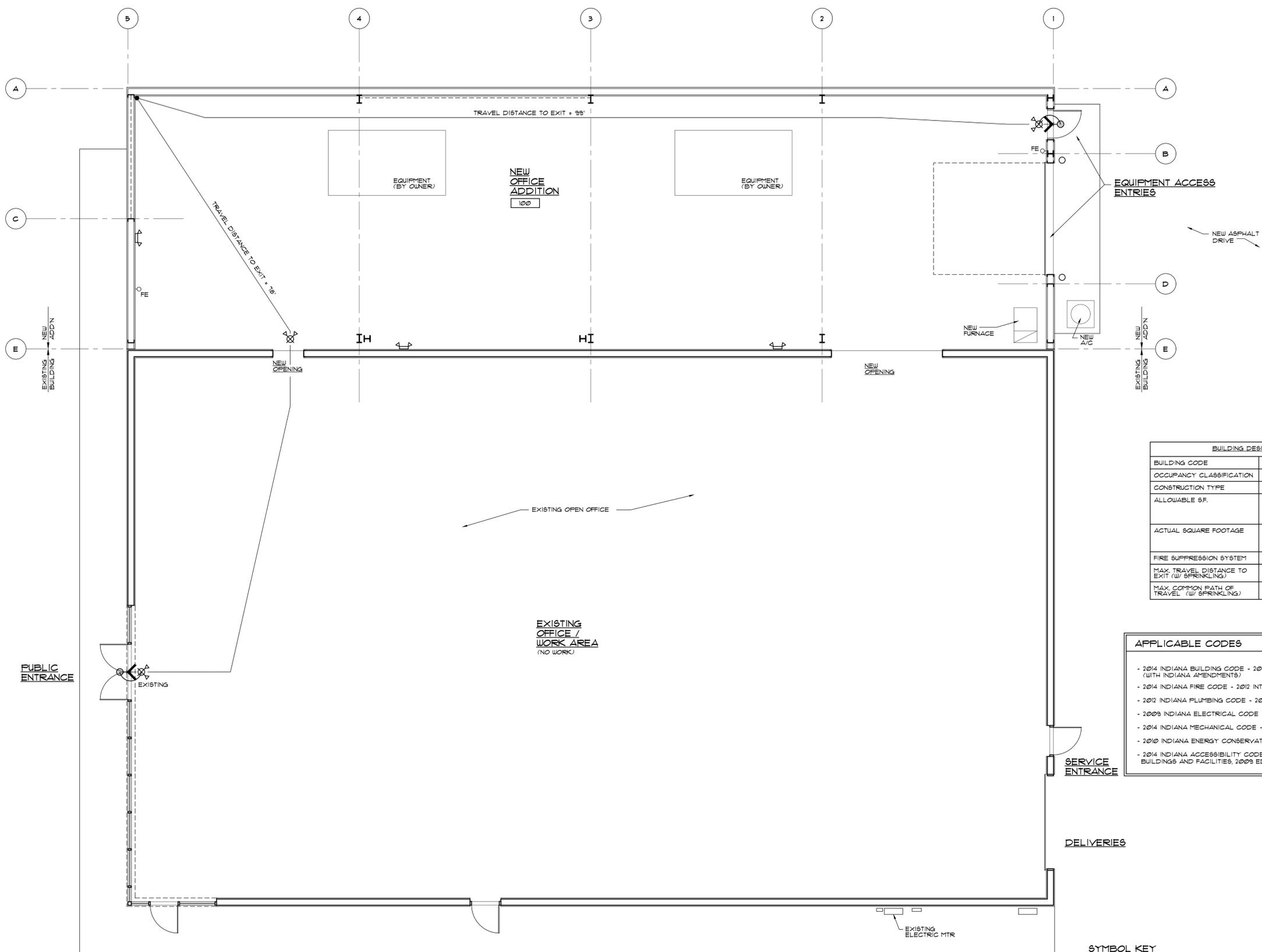
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Mack Architects
Mack Architects, P.C.
5920 North Keystone Avenue
Indianapolis, Indiana 46220
Phone: (317) 251-2468 Fax: (317) 251-2469
E-mail: mackarchitects@sbcglobal.net



BUILDING DESIGN CRITERIA	
BUILDING CODE	2014 INDIANA BUILDING CODE
OCCUPANCY CLASSIFICATION	B
CONSTRUCTION TYPE	V B
ALLOWABLE SF.	9,000 SF + 6,750 SF. FRONTAGE INCREASE 15,750 SF. TOTAL ALLOWABLE
ACTUAL SQUARE FOOTAGE	2,800 SF. ADDITION + 5,920 SF. EXISTING 8,720 SF. TOTAL AREA
FIRE SUPPRESSION SYSTEM	NO
MAX. TRAVEL DISTANCE TO EXIT (W/ SPRINKLING)	200'
MAX. COMMON PATH OF TRAVEL (W/ SPRINKLING)	100'

- APPLICABLE CODES**
- 2014 INDIANA BUILDING CODE - 2012 INTERNATIONAL BUILDING CODE (WITH INDIANA AMENDMENTS)
 - 2014 INDIANA FIRE CODE - 2012 INTERNATIONAL FIRE CODE
 - 2012 INDIANA PLUMBING CODE - 2006 INTERNATIONAL PLUMBING CODE
 - 2009 INDIANA ELECTRICAL CODE - 2009 NFPA 70
 - 2014 INDIANA MECHANICAL CODE - 2012 INTERNATIONAL MECHANICAL CODE
 - 2010 INDIANA ENERGY CONSERVATION CODE - ASHRE 90.1 2001
 - 2014 INDIANA ACCESSIBILITY CODE - A117.1 ACCESSIBILITY AND USABLE BUILDINGS AND FACILITIES, 2009 EDITION

- SYMBOL KEY**
- PATH + DISTANCE OF EGRESS
 - ILLUMINATED 'EXIT' SIGN FIXTURE W/ LIGHTING HEADS (W/ INTERNAL BATTERY PROVIDING 90 MIN MINIMUM POWER)
 - EXTERIOR REMOTE EMERGENCY LIGHT FIXTURES
 - NEW 10" SURFACE MOUNT ABC FIRE EXTINGUISHER
 - WALL MOUNT BATTERY EMERGENCY LIGHTING (W/ INTERNAL BATTERY PROVIDING 90 MIN MINIMUM POWER)

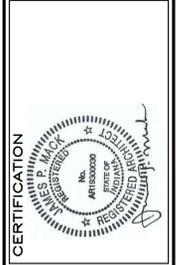
1 LIFE SAFETY PLAN
 LS-1 SCALE: 3/16" = 1'-0"
 NORTH

Mack Architects
 Mack Architects, P.C.
 5920 North Keystone Avenue
 Indianapolis, Indiana 46220
 Phone: (317) 251-2468 Fax: (317) 251-2469
 E-mail: mackarchitects@sbcglobal.net

PROJECT NO:	2202
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LS-1
 SHEET NO.

ERECTION NOTES

- All bracing shown and provided by the Metal Building Provider for this building is required and shall be installed by the erector as a permanent part of the structure ("Code of Standard Practice for Steel Buildings and Bridges" in the ANSI/AISC 303-16; Section 7.10).
- Temporary supports, such as guys, braces, falsework, cribbing or other elements required for the erection operation shall be determined and furnished by the erector ("Code of Standard Practice for Steel Buildings and Bridges" in the ANSI/AISC 303-16; Section 7.10.3).
- Normal erection operations include the correction of minor misfits by moderate amounts of reaming, grinding, welding or cutting, and the drawing of elements into line through use of drift pins. Errors which require major changes in the member configuration are to be reported immediately to the Metal Building Provider by the customer to enable whoever is responsible either to correct the error or to approve the most efficient and economic method of correction to be used by others ("Code of Standard Practice for Steel Buildings and Bridges" in the ANSI/AISC 303-16; Section 7.14).
- Erection tolerances are set forth in the "Code of Standard Practice for Steel Buildings and Bridges" in the ANSI/AISC 303-16; Section 7.13 note that individual members are considered plumb, level and aligned if the deviation does not exceed 1:500. Variations in finished overall dimensions of structural steel framing are deemed within the limits of good practice when they do not exceed the cumulative effect of rolling, fabricating, and erection tolerances.
 - When crane support systems are part of the metal building system erection tolerances Section 6.8, Erection Tolerances, 2018 MBMA Metal Building Systems Manual shall apply. To achieve the required tolerances grouting of the columns and shimming of the runway beams may be required. The customer shall provide grout if required. The contractor erecting the runway beams is responsible for shimming, plumbing, and leveling of the runway system. When aligning the runway beams the alignment shall be with respect to the beam webs so that the center of the aligned rail is over the runway web.
 - As a general rule field welding is not used to assemble a metal building system. In cases where the drawings indicate field welding and in cases where approved corrections are to be made by field welding the following requirements shall be met:
 - Welders must be qualified by an independent testing agency, with suitable documentation to AWS D1.1 Structural Welding Code - Steel or AWS D1.3 Structural Welding Code - Sheet Steel as applicable, for the processes, positions, and materials involved.
 - All welds must be made in conformance to a documented and approved Welding Procedure Specification (WPS). All joints which are not prequalified must be supported by a certified Procedure Qualification Record (PQR) by an independent testing agency.
- All documentation and records shall be the responsibility of the customer.
- Any claims or shortages by buyer must be made to the Metal Building Provider within seven (7) working days after delivery, or such claims will be considered to have been waived by the customer and disallowed. All claims should be directed to the Metal Building Provider's Customer Service Department.
- Claims for correction of alleged misfits will be disallowed unless the Metal Building Provider shall have received prior notice thereof and allowed reasonable inspection of such misfits. Ordinary inaccuracies of shop work shall not be construed as misfits. No part of the building may be returned or charges assessed for alleged misfits without prior approval from the Metal Building Provider.
- Neither the Metal Building Provider nor the customer will cut, drill or otherwise alter their work, or the work of other trades to accommodate other trades unless such work is clearly specified in the contract documents. Whenever such work is specified the customer is responsible for furnishing complete information as to materials, size, location, and number of alterations prior to preparation of shop drawings ("Code of Standard Practice for Steel Buildings and Bridges" in the ANSI/AISC 303-16; Section 7.15).
- The Metal Building Provider Field Modifications Policy:
 - The Metal Building Provider will only be responsible for the field-modified parts designed and approved by the Metal Building Provider's Customer Service Department.
 - Any field modifications designed by third parties may not be approved by the Metal Building Provider and may limit the Metal Building Provider's warranty and liability.
 - The Metal Building Provider makes no warranty and hereby disclaims any responsibility with respect to the design, engineering, or construction of any field-modified parts performed by third parties.
- WARNING - SOME PANELS AND TRIM PARTS ARE FURNISHED WITH A PROTECTIVE PEEL-OFF FILM. PARTS PROVIDED WITH THIS FILM CANNOT BE EXPOSED TO SUNLIGHT WITHOUT FIRST REMOVING THE FILM. THIS FILM MUST BE REMOVED PRIOR TO INSTALLATION. FILM MUST ALSO BE REMOVED FROM ALL NON EXPOSED PARTS WITHIN SIX MONTHS FROM FILM APPLICATION OR IRREPARABLE DAMAGE WILL OCCUR TO THE SURFACE. CLAIMS WILL NOT BE ACCEPTED FOR THIS ISSUE.**

RESPONSIBILITIES

- The Metal Building Provider Customer, hereafter referred to as the "customer", obtains and pays for all building permits, licenses, public assessments, paving or utility pro rata, utility connections, occupancy fees and other fees required by any governmental authority or utility in connection with the work provided for in the Contract Documents. The customer provides at his expense all plans and specifications required to obtain a building permit. It is the customer's responsibility to ensure that all plans and specifications comply with the applicable requirements of any governing building authorities.
- The customer is responsible for identifying all applicable building codes, zoning codes, or other regulations applicable to the Construction Project, including the metal building system.
- It is the responsibility of the customer to interpret all aspects of the End User's specifications and incorporate the appropriate specifications, design criteria, and design loads into the Order Documents submitted to the Metal Building Provider.
- It is the responsibility of the Metal Building Provider to furnish the metal building system to meet the specifications including the design criteria and design loads incorporated by the Contractor into the Order Documents. The Metal Building Provider is not responsible for making an independent determination of any local codes or any other requirements not part of the Order Documents.
- The Metal Building Provider's standard specifications apply unless stipulated otherwise in the Contract Documents. The Metal Building Provider design, fabrication, quality criteria, standards, practice, methods and tolerances shall govern the work any other interpretations to the contrary notwithstanding. It is understood by both parties that the customer is responsible for clarifications of inclusions or exclusions from the Architectural plans.
- In case of discrepancies between the Metal Building Provider's structural steel plans and plans for other trades, the Metal Building Provider's shall govern ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC 303-16; Section 3.3)
- The customer is responsible for overall project coordination. All interface, compatibility and design considerations concerning any materials not furnished by the Metal Building Provider and the Metal Building Provider's steel system are to be considered and coordinated by the customer. Specific design criteria concerning this interface between materials must be furnished by the customer before release for fabrication or the Metal Building Provider's assumptions will govern.
- Foundations, anchor rods, and anchor rod embedment are designed, furnished, and set by the customer in accordance with an approved drawing. Dimensional accuracy shall satisfy the requirements of Section 7.5.1 of "Code of Standard Practice for Steel Buildings and Bridges" in the AISC 303-16.
- All other embedded items or connection materials between the structural steel and the work of other trades are located and set by the customer in accordance with approved location on erection drawings. Accuracy of these items must satisfy the erection tolerance requirements.
- The Metal Building Provider does not investigate the influence of the metal building system on existing buildings or structures. The End Customer assures that such buildings and structures are adequate to resist snow drifts, wind loads, or other conditions as a result of the presence of the metal building system.

GENERAL SPECIFICATIONS

- Wall and liner panels are an integral part of the structural system. Unauthorized removal of panels or cutting panels for framed openings not shown is prohibited.
- Oil-canning, a perceived waviness inherent to light gauge metal, may exist. This condition does not affect the structural integrity or the finish of the panel, and therefore is not a cause for rejection.
- The Metal Building Provider's red-oxide and gray oxide primer are designed for short term field protection from exposure to ordinary atmospheric conditions.
- All bolts are 1/2" x 1-1/4" A307 unless noted. Refer to the erection drawings for specific framing connections and the cross-section(s) for main frame connections.
- Unless noted otherwise on the frame cross section(s), all bolted joints with ASTM F3125 Grade A325 bolts are specified as snug-tightened joints in accordance with the Specification for Structural Joints Using High-Strength Bolts, June 11, 2020. Installation inspection requirements for Snug-Tight Bolts (Specification for Structural Joints, Section 9.1) is suggested.
- Unless noted otherwise, all bolted connections are designed as bearing type connections with bolt threads not excluded from the shear plane.
- Any type of suspended or load inducing system(s) is prohibited if zero collateral and zero sprinkler loads are designated on the contract. This would include lights, duct work, piping, and insulation types other than 3" standard duty fiberglass blanket insulation, etc.

BUILDING DESIGN CODES

Building Code: Indiana State Building Code 2014
 Hot-rolled version: AISC 360-10
 Cold-formed version: AISI S100-07

GENERAL LOADS

Dead Load: 2.00 psf
 Roof Collateral Load: 1.00 psf (Misc.)
 Sprinkler Load: 0.00 psf
 Roof Live Load: 20.00 psf
 Tributary Live Load Reduction: Yes
 Rainfall Intensity: 6.38 in/hr (5-minute duration 5-year recurrence)

WIND LOAD

Wind Speed (3-sec gust) Vult: 115 mph
 Vasd: 89 mph
 V service: 76 mph
 Exposure Factor: B
 Wind Condition: Enclosed
 Internal Pressure Coefficient: +/- 0.18
 Edge Zone Width: 3.00 Ft

SNOW LOAD

Ground Snow Load: 20.00 psf
 Roof Snow Load: 14.00 psf
 Importance Factor: 1.00
 Exposure Factor: 1.00
 Thermal Factor: 1.00
 Slope Factor: 1.00

DEFLECTION CRITERIA

Main Frames Horizontal: H/60 Roof Panels: L/60
 Main Frames Vertical: L/180 Purlins: L/180
 Bearing Frame Rafter: L/180 Wall Panels: L/60
 Endwall Columns: L/180 Girts: L/90

For components, claddings and MWFRS, deflections involving wind are based on 10 year serviceability wind pressures.

SEISMIC LOAD

Risk Category: II - Normal
 Seismic Importance Factor: 1.0000
 Structural Response Acceleration (Ss): 0.1690
 Structural Response Acceleration(S1): 0.0900
 Site Class: D
 Design Spectral Response (Sds): 0.1800
 Design Spectral Response (Sd1): 0.1440
 Seismic Design Category: C

Framing Direction: Lateral Longitudinal
 Structural Syst: 'Structural Steel Systems Not Specifically Detailed for Seismic Resistance'

Response Modification Factor(s) (R): 3.0 3.0
 Deflection Amplification Factor(s): 3.0 3.0
 Sesimic Response Coefficient(s) (Cs): 0.0601 0.0601
 Design Base Shear V : (Kips) 1.10 1.12
 Analysis Procedure: Equivalent Lateral Force

Other Loads:
 1 Drift & Sliding snow has been added in accordance with the building code as follows:
 36.64 psf to 0 psf drift snow for a width of 8.83 ft along grid line E between grids 1 to 5.
 9.40 psf Sliding snow 15.00 ft width along grid line E between grids 1 & 5

ROOF PANEL

Profile: Super Span X Gauge: 26 Color: Galvalume Plus
 UL580 Class 90: Yes

WALL PANEL

Profile: Super Span X Gauge: 26 Color: SPM Ash Gray

PRIMARY FRAMING

Built-Up & Hot-Rolled: Gray Oxide Primer

SECONDARY FRAMING

Purlins, Eave Struts: Pre-Galvanized
 Girts, Light Gage Columns: Pre-Galvanized
 Light Gage Jams & Headers: Pre-Galvanized
 Base Angle Finish: Pre-Galvanized

Hot-Dip Galvanizing conforms to the ASTM A123 specification.
 Pre-Galvanized members conform to the ASTM A653, Grade 50,
 Coating G-90 specification.

APPROVAL SPECIFICATIONS

- Approval of the Metal Building Provider drawings and/or calculations indicate that the Metal Building Provider has correctly interpreted the contract requirements. This approval constitutes the customer acceptance of the Metal Building Provider design, concepts, assumptions, and loadings.
- Failure to respond to clouded areas and areas to verify may result in additional costs and/or schedule delays for which the Metal Building Provider will not be responsible.
- Any changes made after the Metal Building Provider's customer has signed and returned the Metal Building Provider drawings and/or calculations and the project is released for fabrication shall be billed to the Metal Building Provider customer including material, engineering, and other costs. An additional fee may be charged if the project must be moved in the fabrication and/or the shipping schedule.
- It is the responsibility of the customer to field verify all existing conditions prior to fabrication.
- It is imperative that any changes to these drawings:
 - Be made in contrasting ink.
 - Be legible and unambiguous.
 - Have all instances of changes clearly indicated.
- A dated signature, in the designated areas, is required on all pages. The signature must be from the person authorized on the contract or a person authorized, in writing, by the Metal Building Provider customer.
- The Metal Building Provider reserves the right to resubmit drawings with extensive or complex changes required to avoid misfabrication. This may impact the delivery schedule.
- Any changes noted on the drawings not in conformance with the terms and requirements of the contract between the Metal Building Provider and its customer are not binding on the Metal Building Provider unless subsequently specifically acknowledged and agreed to in writing by change order or separate documentation.
- Waiving the approval process by designating the order "For Production" supercedes notes 1, 2, 5, 6, and 8 in this section, and constitutes the customer acceptance of the Metal Building Provider's design, concepts, assumptions, and loadings.

DRAWING INDEX		
DATE	ISSUE	DESCRIPTION
08.16.22	P1	C1-Cover Sheet
08.16.22	0	F1-Anchor Bolt Plan
08.16.22	0	F2-Anchor Bolt Details
08.16.22	0	F3-Anchor Bolt Reactions
08.16.22	P1	P1 - Rigid Frame Elevation
08.16.22	P1	W1- Portal Frame
08.16.22	P1	E1 - Roof Framing Plan
08.16.22	P1	E2 - Roof Sheeting Plan
08.16.22	P1	E3 - Endwall Elevation
08.16.22	P1	E4 - Endwall Elevation
08.16.22	P1	E5 - Sidewall Elevation
08.16.22	P1	E6 - Sidewall Elevation
08.16.22	P1	E7 - Section Details
08.16.22	P1	D1 - Standard Detail Page
08.16.22	P1	D2 - Standard Detail Page
08.16.22	P1	D3 - Standard Detail Page

TRIM COLOR		
Roof to Wall:	<u>Galvalume Plus</u>	Gauge: <u>26</u>
Shadow Rake:	<u>SMP Ash Gray</u>	Gauge: <u>26</u>
Shadow Eave:	<u>SMP Ash Gray</u>	Gauge: <u>26</u>
Corner:	<u>SMP Ash Gray</u>	Gauge: <u>26</u>
Accessory:	<u>SMP Ash Gray</u>	Gauge: <u>26</u>
Wall to Wall:	<u>SMP Ash Gray</u>	Gauge: <u>26</u>
Base Trim:	<u>SMP Ash Gray</u>	Gauge: <u>26</u>

Additional Note -
 -Investigation of the existing structure not by the metal building manufacturer for possible detrimental effects due to the metal building addition is not within the metal building manufacturer's scope of work. It is strongly recommended that the original designer or other responsible professional be retained to analyze the existing structure, recommending any reinforcement that may be needed. The metal building manufacturer and its certifying engineer expressly exclude the existing structure for any warranty or certification whether written, verbal or implied.

DRAWING STATUS	
<input type="checkbox"/>	FOR APPROVAL: These drawings, being for approval are by definition not final and are for conceptual representation only. Their purpose is to confirm the proper interpretation of the project documents. Only drawings issued "For Erection installation" can be considered complete.
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<input type="checkbox"/>	FOR ERECTOR INSTALLATION: Final drawings for construction.



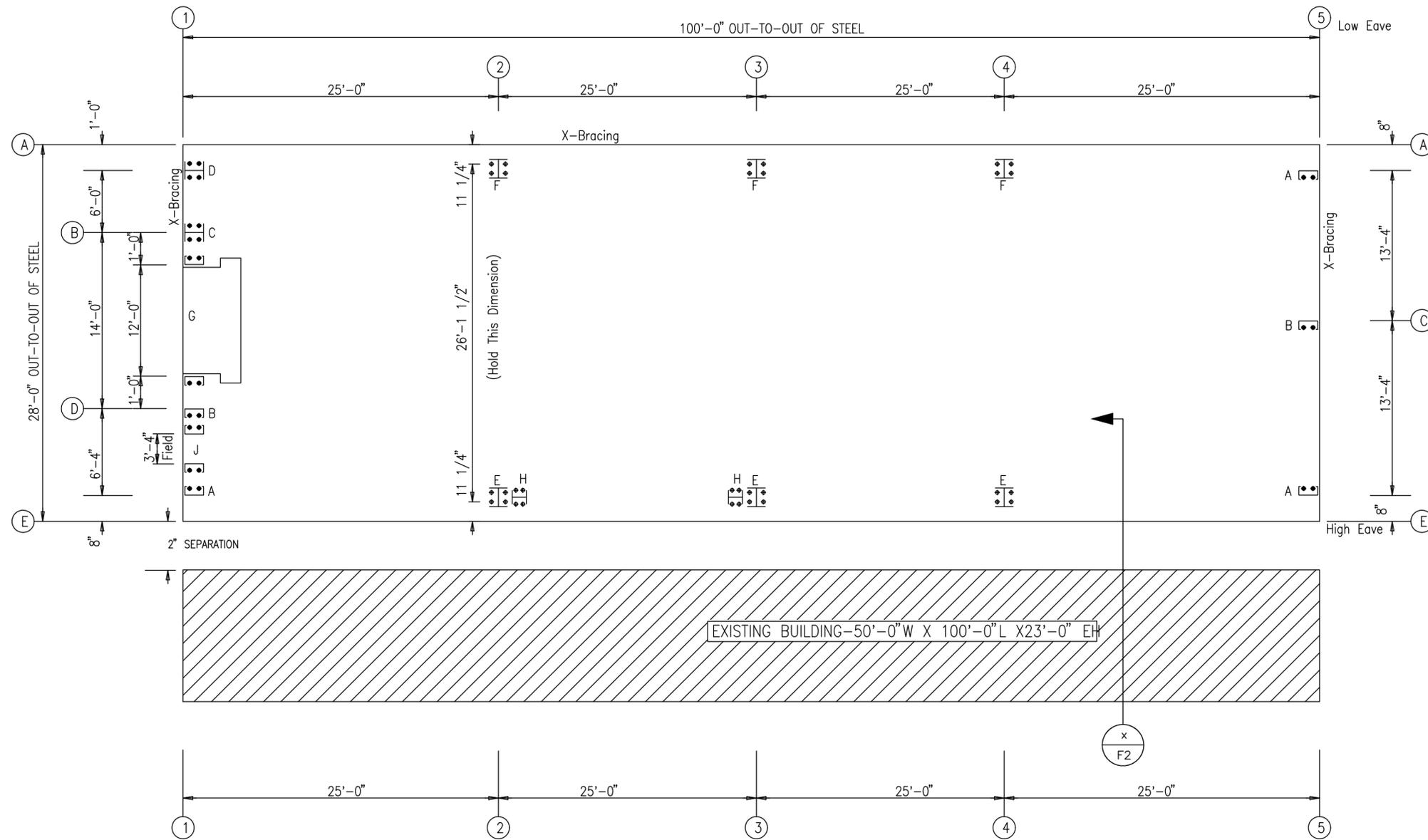
ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR

SHEET DESCRIPTION: COVER SHEET		BLDG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC			
JOB SITE LOCATION: FRANKLIN, IN 46131		JOB SITE COUNTY: JOHNSON	
DWN: NVK	CHK: PNR	DATE: 08.16.22	ENG: AKB
JOB NO: 9803-29401	DWG NO: C1	ISSUE: P1	

The Engineer whose seal and signature appear on these documents represent Whirlwind Steel Buildings, Inc., and is not the Engineer of Record for the overall project. The Engineer's responsibility is limited to material designed and manufactured by Metal Building Provider, and excludes parts such as doors, windows, foundation design, and erection of the building.



● Dia= 5/8"
 ⊕ Dia= 3/4"



ANCHOR BOLT PLAN
 NOTE: All Base Plates @ Finished Floor (U.N.)

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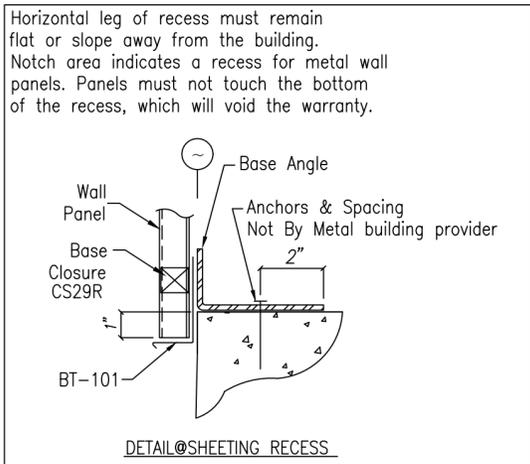
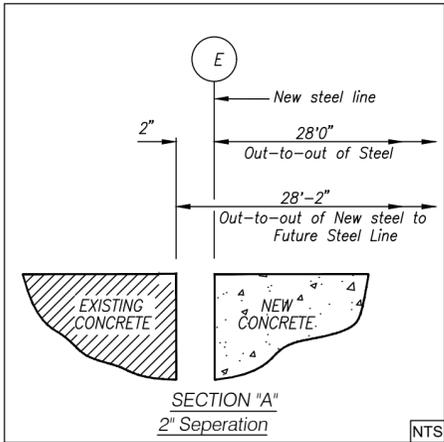
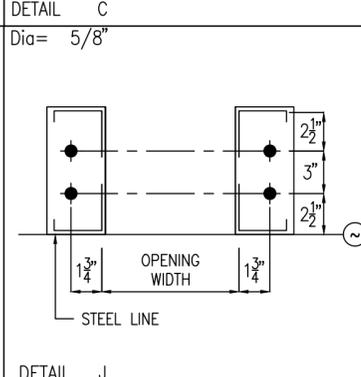
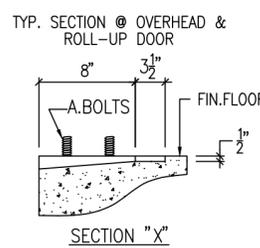
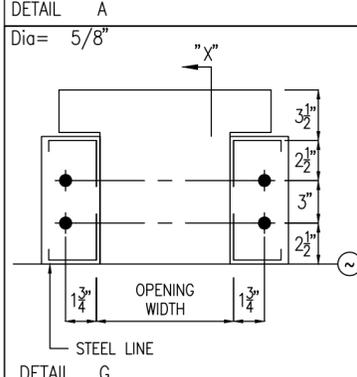
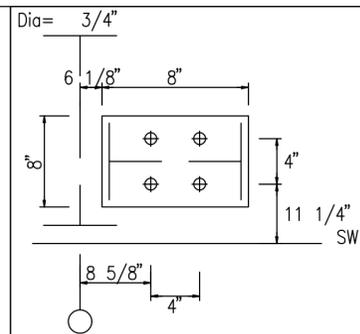
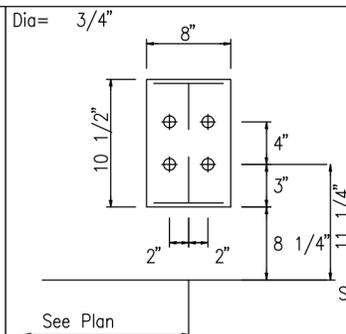
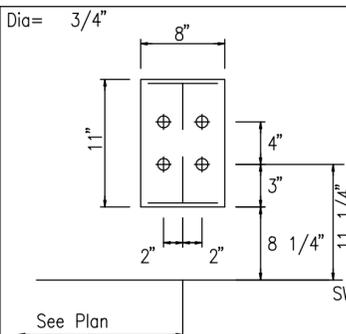
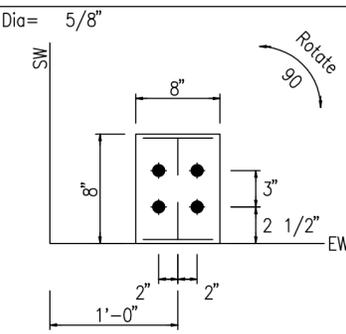
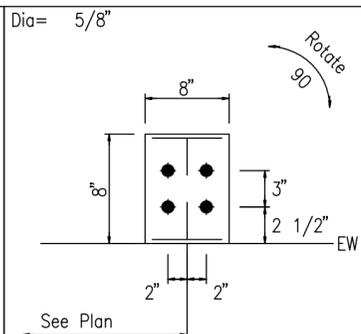
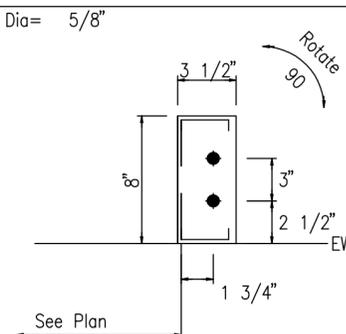
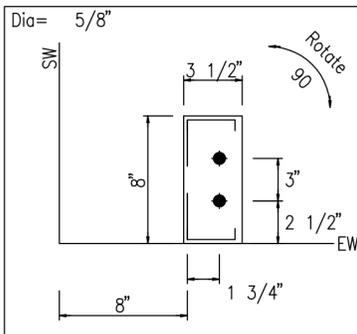
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<input checked="" type="checkbox"/>	FOR ERECTOR INSTALLATION: Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK
0	08.16.22	FOR ERECTOR INSTALLATION	NVK	PNR

SHEET DESCRIPTION: ANCHOR BOLT PLAN & DETAILS		BLDG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC			
JOB SITE LOCATION: FRANKLIN, IN 46131		JOB SITE COUNTY: JOHNSON	
DWN: NVK	CHK: PNR	DATE: 08.16.22	ENG: AKB
JOB NO: 9803-29401	DWG NO: F1	ISSUE: P1	





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FOR APPROVAL:
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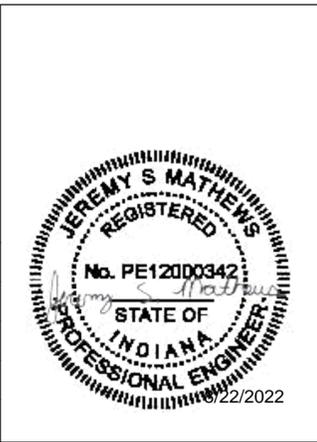
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FOR ERECTOR INSTALLATION:
Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK
0	08.16.22	FOR ERECTOR INSTALLATION	NVK	PNR

SHEET DESCRIPTION: ANCHOR BOLT PLAN & DETAILS		BLOG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC			
JOB SITE LOCATION: FRANKLIN, IN 46131		JOB SITE COUNTY: JOHNSON	
DWN: NVK	CHK: PNR	DATE: 08.16.22	ENG: AKB
JOB NO: 9803-29401	DWG NO: F2	ISSUE: P1	



ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Snow Drift Vert	Slide Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert
1	A	0.2	0.0	0.4	0.3	0.0	-0.1	-1.9	-5.2	0.0	5.5	-1.9	-5.0
1	B	0.5	0.2	3.1	2.2	-0.1	0.3	0.0	1.4	2.2	-7.6	0.0	2.6
1	D	0.4	0.2	3.1	2.2	0.8	1.3	0.0	-3.2	0.0	-2.0	0.0	-2.1
1	E	0.1	0.0	0.5	0.3	1.3	0.3	0.0	-0.3	0.0	-0.3	0.0	-0.3

Frm Line	Col Line	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz	Wind Press Vert	Wind Suct Horz	Wind Suct Vert	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	Seis Long Vert
1	A	0.0	5.4	-0.5	0.6	0.0	0.5	0.0	0.1	-0.2	-0.4	0.0	0.4	0.0	0.4	0.0
1	B	2.1	-6.2	-1.4	1.6	0.4	-4.3	0.2	-2.4	0.0	0.4	0.2	-0.4	0.0	0.0	0.0
1	D	0.0	-0.8	-1.5	1.7	0.0	-3.2	0.0	-2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	E	0.0	-0.3	-0.6	0.7	0.0	-0.3	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Frm Line	Col Line	-MIN_SNOW-- Horz	-MIN_SNOW-- Vert	E1PAT_SL_1-- Horz	E1PAT_SL_1-- Vert	E1PAT_SL_2-- Horz	E1PAT_SL_2-- Vert	E1PAT_SL_3-- Horz	E1PAT_SL_3-- Vert	E1PAT_SL_4-- Horz	E1PAT_SL_4-- Vert
1	A	0.0	0.4	0.0	0.3	0.0	0.0	0.0	0.1	0.0	-0.2
1	B	0.0	3.1	0.0	0.3	0.0	0.0	0.0	1.1	0.0	0.8
1	D	0.0	3.1	0.0	0.0	0.0	0.3	0.0	0.8	0.0	1.1
1	E	0.0	0.5	0.0	0.0	0.0	0.3	0.0	-0.2	0.0	0.1

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Snow Drift Vert	Slide Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert
5	E	0.2	0.1	1.5	1.0	1.6	0.8	0.0	-1.0	0.0	-1.4	0.0	-0.5
5	C	0.6	0.2	4.2	2.9	0.5	1.1	-2.2	-5.4	0.0	-2.2	-2.1	-3.8
5	A	0.2	0.1	1.4	1.0	-0.1	-0.1	0.0	2.0	1.9	-3.8	0.0	2.4

Frm Line	Col Line	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz	Wind Press Vert	Wind Suct Horz	Wind Suct Vert	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	Seis Long Vert
5	E	0.0	-1.0	-1.1	1.3	0.0	-1.4	0.0	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	C	0.0	-0.6	-1.9	2.1	-0.4	-4.9	-0.2	-2.9	-0.2	-2.9	-0.2	-0.2	0.0	0.2	0.0
5	A	1.9	-3.2	-1.0	1.1	0.0	-1.0	0.0	-0.8	0.0	0.2	0.2	-0.2	0.2	-0.2	0.0

Frm Line	Col Line	-MIN_SNOW-- Horz	-MIN_SNOW-- Vert	E2PAT_SL_1-- Horz	E2PAT_SL_1-- Vert	E2PAT_SL_2-- Horz	E2PAT_SL_2-- Vert
5	E	0.0	1.5	0.0	0.6	0.0	-0.1
5	C	0.0	4.2	0.0	0.7	0.0	0.7
5	A	0.0	1.4	0.0	-0.1	0.0	0.6

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

Frm Line	Col Line	Load Id	Hmax	V Vmax	Load Id	Hmin	V Vmin	Bolt Qty	Dia	Base_Plate Width	Base_Plate Length	Thick	Elev. (in)
1	A	10	0.4	-3.0	11	-0.3	0.2	4	0.625	8.000	8.000	0.500	0.0
1	B	13	0.9	-4.3	14	-0.9	-2.3	4	0.625	8.000	8.000	0.375	0.0
1	D	10	1.0	-1.7	14	-0.9	-1.7	2	0.625	3.500	8.000	0.250	0.0
1	E	13	0.4	-0.1	14	-0.4	-0.1	2	0.625	3.500	8.000	0.250	0.0
5	E	16	0.8	-0.7	14	-0.7	-0.7	2	0.625	3.500	8.000	0.250	0.0
5	C	10	1.3	-2.9	14	-1.2	-2.6	2	0.625	3.500	8.000	0.250	0.0
5	A	13	0.7	-2.1	14	-0.6	-0.5	2	0.625	3.500	8.000	0.250	0.0

- 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.
 - Loading conditions are:
 - 1 Dead+Collateral+Snow+Snow_Drift
 - 2 Dead+Collateral+Snow+Slide_Snow
 - 3 Dead+Collateral+0.75Snow+0.45Wind_Left1+0.75Slide_Snow
 - 4 Dead+Collateral+0.75Snow+0.45Wind_Right1+0.75Slide_Snow
 - 5 0.6Dead+0.6Wind_Left1
 - 6 0.6Dead+0.6Wind_Right1
 - 7 0.6Dead+0.6Wind_Left2
 - 8 0.6Dead+0.6Wind_Right2
 - 9 Dead+Collateral+MIN_SNOW
 - 10 0.6Dead+0.6Wind_Left1+0.6Wind_Suction
 - 11 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
 - 12 Dead+0.6Wind_Right1+0.6Wind_Suction
 - 13 0.6Dead+0.6Wind_Right1+0.6Wind_Suction
 - 14 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
 - 15 Dead+Collateral+0.45Wind_Left2+0.45Wind_Suction+0.75MIN_SNOW
 - 16 0.6Dead+0.6Wind_Suction+0.6Wind_Long1L

PORTAL FRAME REACTIONS

Loc	Line	Col Line	Wind(k) Horz	Wind(k) Vert	Seismic(k) Horz	Seismic(k) Vert	Bolt Qty	Dia	Base_Plate Width	Base_Plate Length	Thick
F_SW	E	2	1.0	1.5	0.3	0.4	4	0.750	8.000	8.000	0.375
F_SW	E	3	1.0	1.5	0.3	0.4	4	0.750	8.000	8.000	0.375

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

Frm Line	Col Line	Load Id	Hmax	V Vmax	Load Id	Hmin	V Vmin	Bolt Qty	Dia	Base_Plate Width	Base_Plate Length	Thick	Elev. (in)
2*	A	4	2.7	5.2	7	-3.2	-2.8	4	0.750	8.000	10.50	0.375	0.0
2*	E	8	2.7	-1.7	3	-2.5	5.4	4	0.750	8.000	11.00	0.375	0.0
2*		1	-1.2	10.2	6	2.1	-3.2						

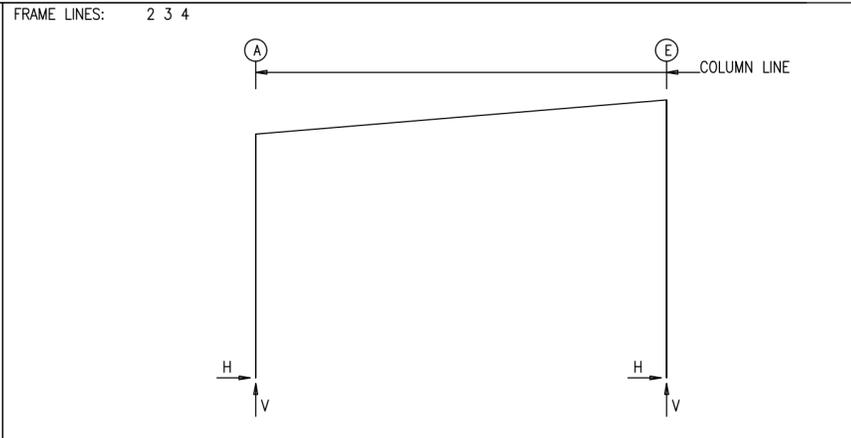
BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft)	Note
L_EW	1	A,B	2.2	5.7	0.2	0.4		(a)
F_SW	E	2,3						
R_EW	5	C,A	2.2	2.8	0.2	0.2		
B_SW	A	3,2	1.9	1.1	0.6	0.3		

(a) Wind bent in bay

ANCHOR BOLT SUMMARY (GRADE 36)

Qty	Locate	Dia (in)	Type	Proj (in)
8	Jamb	5/8"	F1554	2.50
18	Endwall	5/8"	F1554	2.50
24	Frame	3/4"	F1554	3.00
8	Portal Frame	3/4"	F1554	3.00



RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horz	Dead Vert	Collateral Horz	Collateral Vert	Live Horz	Live Vert	Snow Horz	Snow Vert	Snow_Drift Horz	Snow_Drift Vert	Slide_Snow Horz	Slide_Snow Vert
2*	A	0.2	1.1	0.1	0.3	0.7	4.2	0.9	4.9	0.1	0.3	0.3	0.9
2*	E	-0.2	1.2	-0.1	0.4	-0.7	4.2	-0.9	4.9	-0.1	0.3	-0.3	2.7

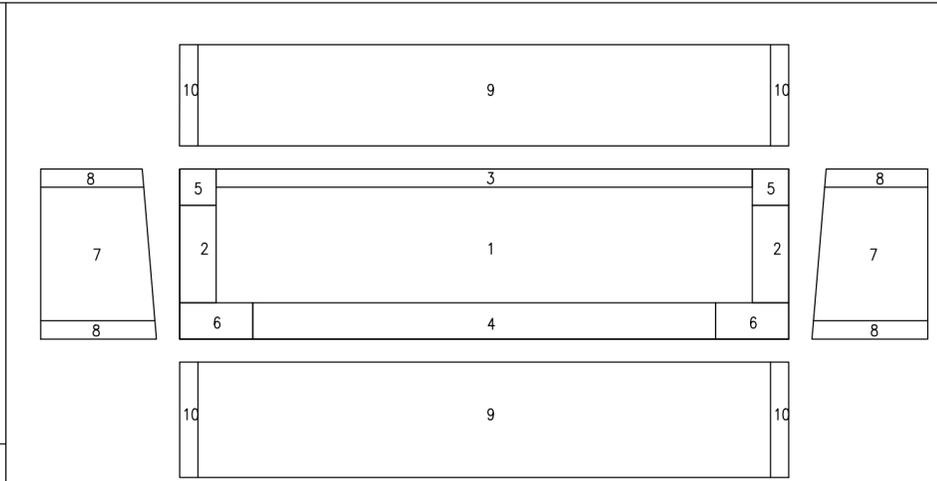
Frame Line	Column Line	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert
2*	A	-4.0	-8.3	3.5	-1.2	-5.4	-5.7	2.4	1.3	1.5	-7.1	1.7	-5.1
2*	E	-3.1	-4.0	3.7	-6.5	-1.7	-1.5	4.7	-4.0	-1.3	-6.3	-1.8	-3.8

Frame Line	Column Line	-Seismic_Left Horz	-Seismic_Left Vert	Seismic_Right Horz	Seismic_Right Vert	-Seismic_Long Horz	-Seismic_Long Vert	-MIN_SNOW-- Horz	-MIN_SNOW-- Vert
2*	A	-0.1	-0.2	0.1	0.2	0.0	-0.3	1.2	6.9
2*	E	-0.1	0.2	0.1	-0.2	0.0	0.0	-1.2	7.1

2* Frame lines: 2 3 4

GENERAL NOTES

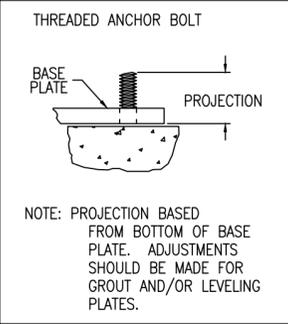
- All anchor bolts (by others) to have nuts and flat washers.
- All anchor bolts are designed to full S.A.E. diameters with cut threads. No substitutions are allowed.
- The Metal Building Provider is not responsible for the design, materials and workmanship of the foundation. Anchor bolt plans prepared by the Metal Building Provider are intended to show only location, diameter, and projection of anchor bolts required to attach the Metal Building System to the foundation. The Metal Building Provider is responsible for providing to the Builder the loads imposed by the Metal Building System on the foundation. It is the responsibility of the End Customer to ensure that adequate provisions are made for specifying bolt embedment, bearing angles, tie rods, and/or other associated items embedded in the concrete foundation, as well as foundation design for the loads imposed by the Metal Building System, other imposed loads, and the bearing capacity of the soil and other conditions of the building site. This is typically the responsibility of the Design Professional or Engineer of Record, which is another reason that their involvement in the Construction Project from the outset is highly recommended. (2012 MBMA Metal Building Systems Manual, Section 3.2.2)
- The projection is based from the bottom of the base plate. Adjustments must be made for grout and/or leveling plates.



Components & Cladding

Zone	Width (ft)	Length (ft)	Pressure(psf) Member	Panel	Suction(psf) Member	Panel
1			16.00	16.00	-25.79	-25.79
2		6.00	16.00	16.00	-33.78	-35.85
3	3.00		16.00	16.00	-27.85	-29.66
4	6.00		16.00	16.00	-33.78	-35.85
5	6.00	6.00	16.00	16.00	-27.85	-39.72
6	6.00	12.00	16.00	16.00	-35.85	-55.96
7			17.60	21.76	-19.42	-23.57
8	3.00		17.60	21.76	-20.78	-28.99
9			17.60	21.80	-19.40	-23.60
10	3.00		17.60	21.80	-20.76	-29.03

(+) wind towards surface
(-) wind away from surface



DRAWING STATUS

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FOR ERECTOR INSTALLATION: Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK
0	08.16.22	FOR ERECTOR INSTALLATION	NVK	PNR

SHEET DESCRIPTION: ANCHOR BOLT REACTIONS		BLDG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC			
JOB SITE LOCATION: FRANKLIN, IN 46131		JOB SITE COUNTY: JOHNSON	
DWN: NVK	CHK: PNR	DATE: 08.16.22	ENG: AKB
JOB NO: 9803-29401	DWG NO: F3	ISSUE: 0	

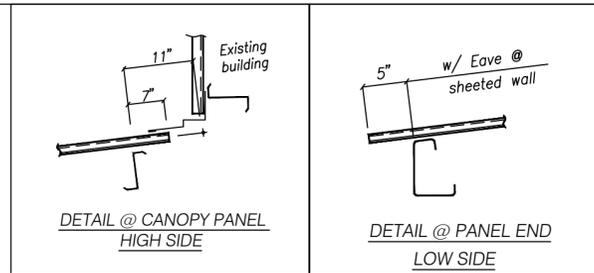


The Engineer whose seal and signature appear on these documents represent Whirlwind Steel Buildings, Inc., and is not the Engineer of Record for the overall project. The Engineer's responsibility is limited to material designed and manufactured by Metal Building Provider, and excludes parts such as doors, windows, foundation design, and erection of the building.

SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	3/4"	2"	6"	1/2"	1'-6 3/8"

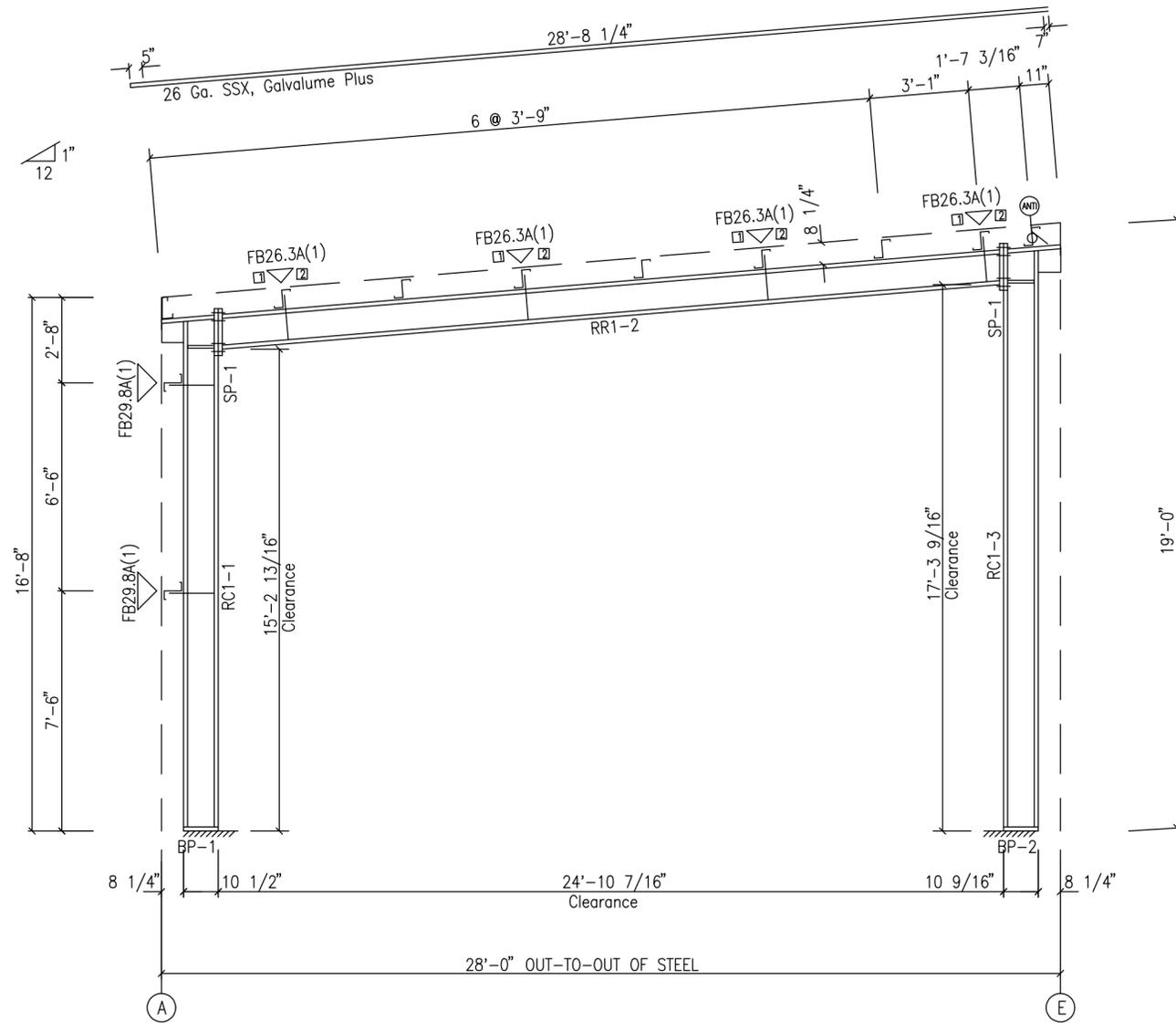
BASE PLATE TABLE			
Col Mark	Plate Size		
	Width	Thick	Length
BP-1	8"	3/8"	10 1/2"
BP-2	8"	3/8"	11"

▽ FLANGE BRACES: FBxx (1 or 2)
 xx=length(in)
 (1) One Side; (2) Two Sides
 A - FB2214



MEMBER TABLE					
Mark	Web Depth		Web Plate Thick	Outside Flange W x Thk	Inside Flange W x Thk
	Start	End			
RC1-1	10.0	10.0	0.135	5 x 1/4"	5 x 1/4"
RR1-2	10.0	10.0	0.188	6 x 1/4"	5 x 1/4"
	10.0	10.0	0.135	5 x 1/4"	5 x 1/4"
RC1-3	10.0	10.0	0.188	6 x 1/4"	6 x 5/16"
	10.0	10.0	0.135	6 x 1/4"	6 x 1/4"

CONNECTION PLATES	
ID	Mark/Part
1	AK226
2	AK230



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

BOLT TIGHTENING (Snug-Tight)

All bolted joints with ASTM F3125 Grade A325 bolts are specified as Snug-Tightened Joints in accordance with the Specification of Structural Joints Using High-Strength Bolts, June 11, 2020, installation as given in Section 7.1 Washers are not required for Snug-Tightened Joints using standard standard size holes per Section 6.1 of the Specification

Pretensioning methods, including Turn-of-Nut, calibrated wrench, twist-off tension control bolts or direct tension indicator are not required. Installation inspection requirements for Snug-Tight Bolt is found in Section 9.1 of the Specification.

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ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG. SIZE:		
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR	RIGID FRAME ELEVATION	28'-0" x 100'-0" x 16'-8" x 19'-0"		
					CUSTOMER:	CUSTOMER LOCATION:		
					ELITE HOMES LLC	FRANKLIN, IN 46131		
					PROJECT REFERENCE:			
					ELITE HOMES LLC			
					JOB SITE LOCATION:	JOB SITE COUNTY:		
					FRANKLIN, IN 46131	JOHNSON		
		DWN:	CHK:	DATE:	ENG:	JOB NO:	DWG NO:	ISSUE:
		NVK	PNR	08.16.22	AKB	9803-29401	P1	P1



SPLICE PLATES & BOLTS								
Splice Mark	Quan		-----Bolt-----			Plate Size		
	Top/	Bot	Type	Dia	Length	Width	Thick	Length
SP- 1	4	4	A325	0.750	1.75	6"	3/8"	1'-3 3/4"

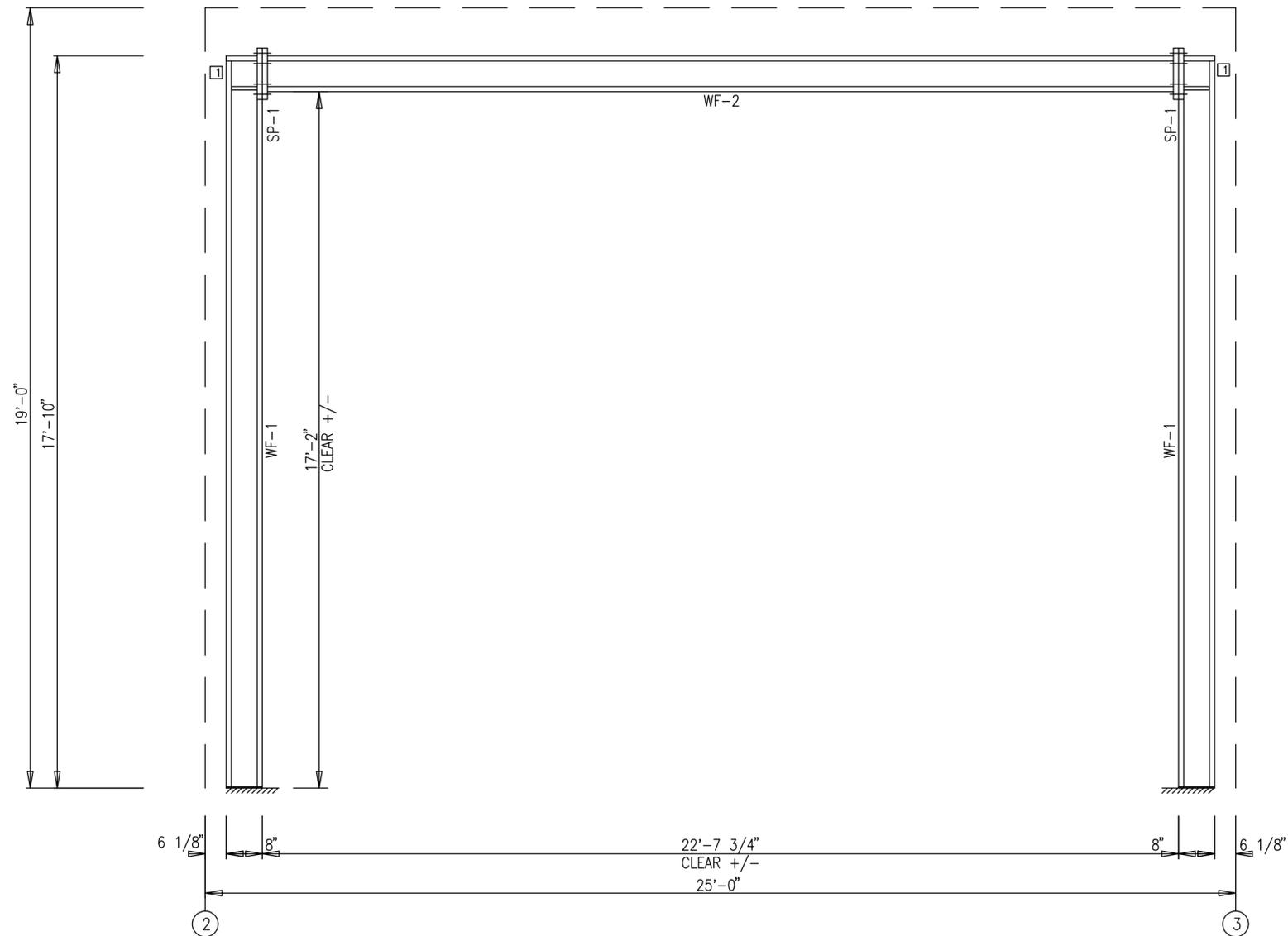
BOLT TIGHTENING (Snug-Tight)

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Pretensioning methods, including Turn-of-Nut, calibrated wrench, twist-off tension control bolts or direct tension indicator are not required. Installation inspection requirements for Snug-Tight Bolt is found in Section 9.1 of the Specification.

MEMBER SIZE TABLE	
MARK	MEMBER
WF-2	W8641
WF-1	W8541

CONNECTION PLATES	
FRAME	LINE
ID	MARK/PART
1	AK508



PORTAL FRAME ELEVATION: FRAME LINE E

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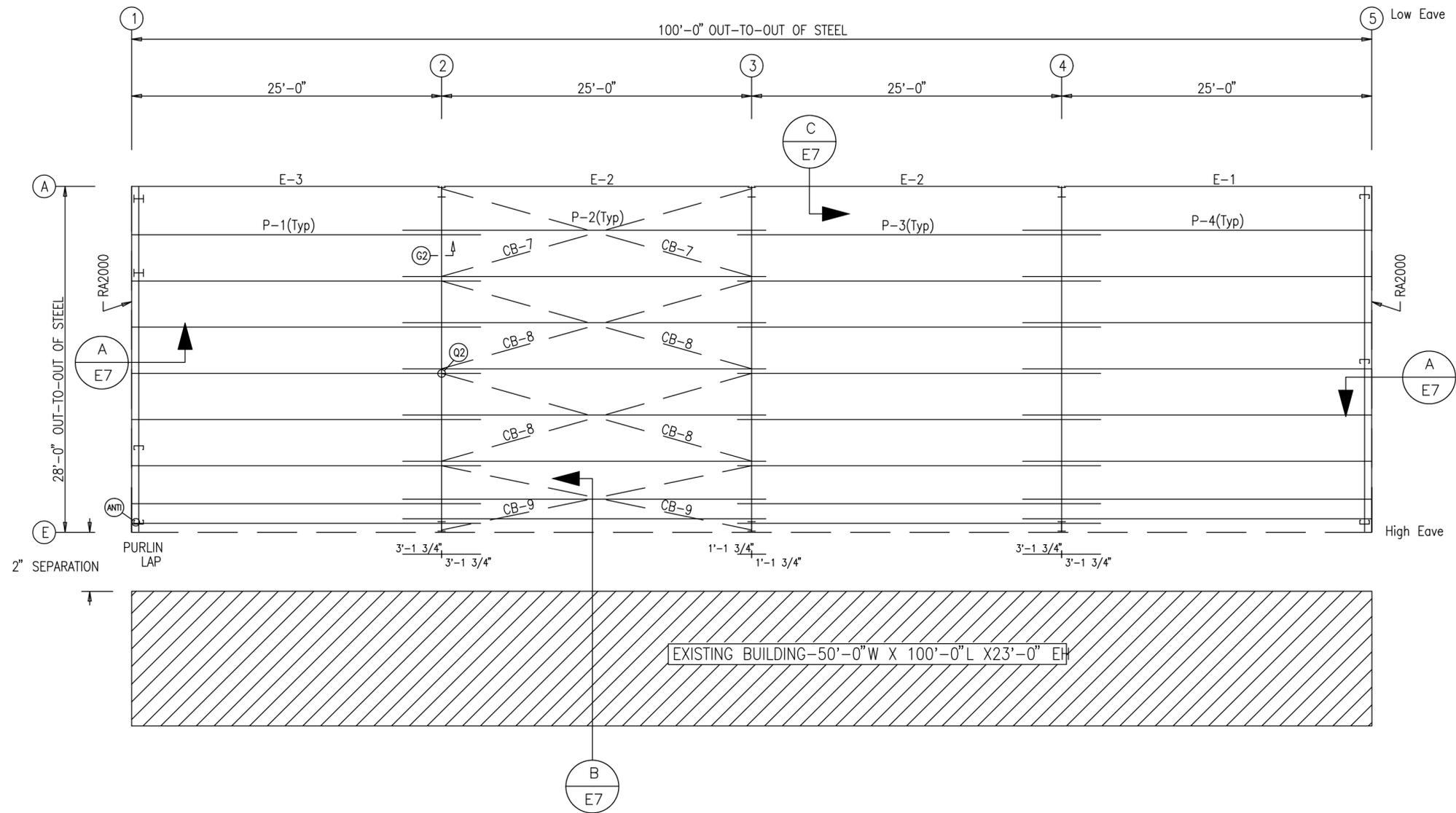
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<input type="checkbox"/>	FOR ERECTOR INSTALLATION: Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG. SIZE:
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR	PORTAL FRAME	28'-0" x 100'-0" x 16'-8" x 19'-0"
					CUSTOMER:	CUSTOMER LOCATION:
					ELITE HOMES LLC	FRANKLIN, IN 46131
					PROJECT REFERENCE:	
					ELITE HOMES LLC	
					JOB SITE LOCATION:	JOB SITE COUNTY:
					FRANKLIN, IN 46131	JOHNSON
DWN:	CHK:	DATE:	ENG:	JOB NO:	DWG NO:	ISSUE:
NVK	PNR	08.16.22	AKB	9803-29401	W1	P1



MEMBER TABLE	
ROOF PLAN	
MARK	PART
P-1	8X25Z16
P-2	8X25Z16
P-3	8X25Z16
P-4	8X25Z16
E-1	8ES141
E-2	8ES141
E-3	8ES141
CB-7	0.25_CBL
CB-8	0.25_CBL
CB-9	0.25_CBL



ROOF FRAMING PLAN

UL580, CLASS 90 CONST. NUMBER 167

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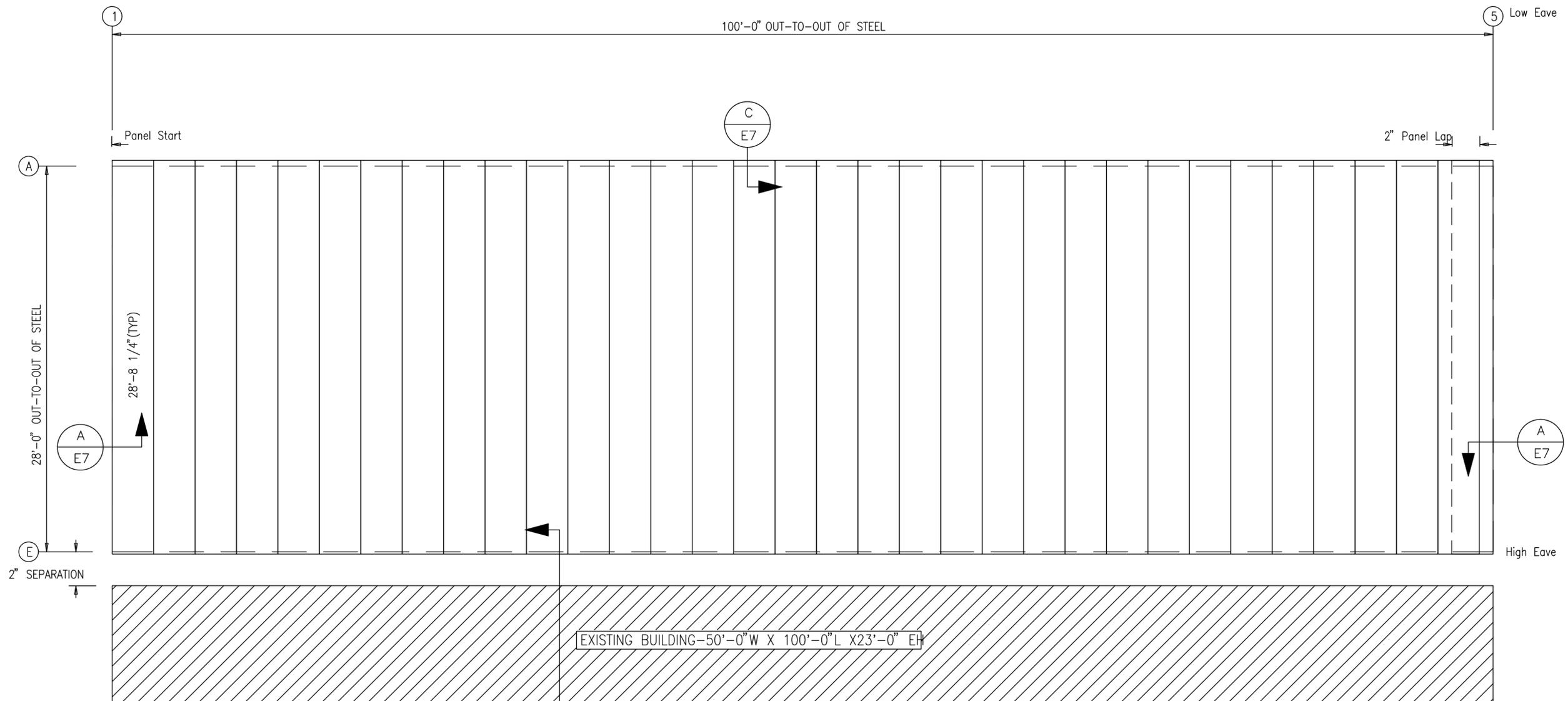
DRAWING STATUS	
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<input type="checkbox"/>	FOR ERECTOR INSTALLATION: Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR

SHEET DESCRIPTION: ROOF FRAMING PLAN		BLDG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC			
JOB SITE LOCATION: FRANKLIN, IN 46131		JOB SITE COUNTY: JOHNSON	
DWN: NVK	CHK: PNR	DATE: 08.16.22	ENG: AKB
JOB NO: 9803-29401	DWG NO: E1	ISSUE: P1	





ROOF SHEETING PLAN
 PANELS: 26 Ga. SSX – Galvalume Plus

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DRAWING STATUS

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FOR CONSTRUCTION PERMIT:
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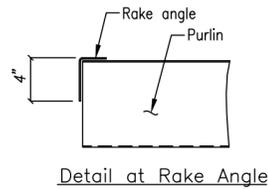
FOR ERECTOR INSTALLATION:
 Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR

SHEET DESCRIPTION: ROOF SHEETING PLAN		BLDG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC			
JOB SITE LOCATION: FRANKLIN, IN 46131		JOB SITE COUNTY: JOHNSON	
DWN: NVK	CHK: PNR	DATE: 08.16.22	ENG: AKB
JOB NO: 9803-29401	DWG NO: E2	ISSUE: P1	





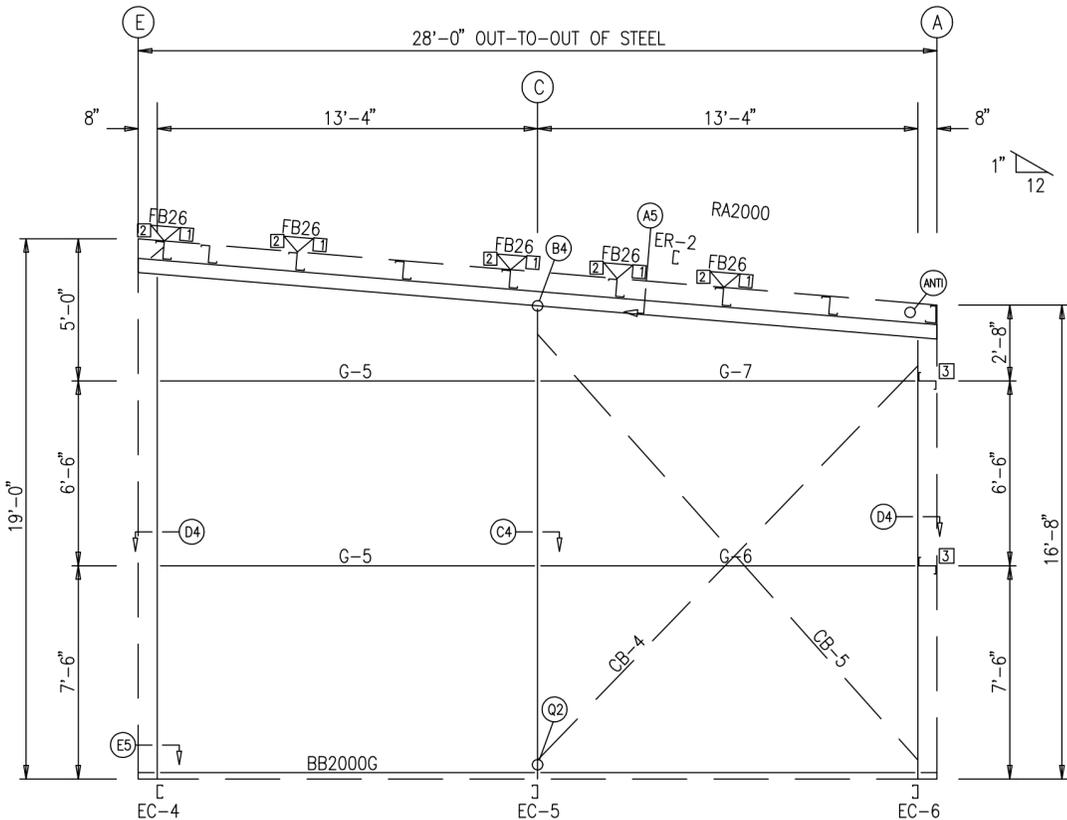
BOLT TABLE				
FRAME LINE 5				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	5/8"	1 1/2"

FLANGE BRACE TABLE		
FRAME LINE 5		
ID	MARK	LENGTH
1	FB26	2'-2"

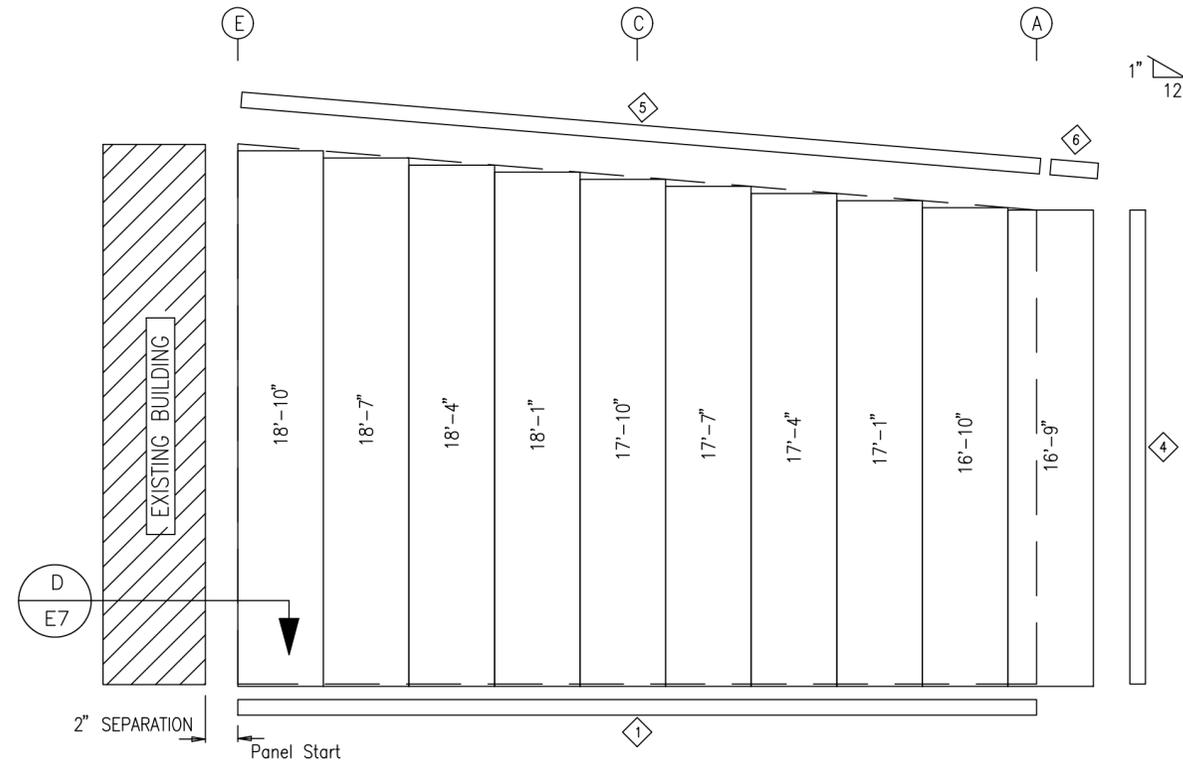
TRIM TABLE		
FRAME LINE -5		
ID	PART	LENGTH
1	BT-101	10'-3"
4	CT-102	17'-0"
5	RT-101	15'-3"
6	SCB	

CONNECTION PLATES		
FRAME LINE 5		
ID	MARK/PART	
1	AK226	
2	AK230	
3	SC5	

MEMBER TABLE		
FRAME LINE 5		
MARK	PART	
EC-4	8M35C14	
EC-5	8M35C14	
EC-6	8M35C14	
ER-2	8M35C12	
G-5	8X25Z16	
G-6	8X25Z12	
G-7	8X25Z16	
CB-4	0.25_CBL	
CB-5	0.25_CBL	



ENDWALL FRAMING: FRAME LINE 5



ENDWALL SHEETING & TRIM: FRAME LINE 5

PANELS: 26 Ga. SSX - SMP Ash Gray

GENERAL SHEETING & TRIM NOTES

- Refer to erection drawings for rake angle locations.
- Roof member screws are at 12" o.c. Eave end lap and peak screws are as shown.
- Wall member screws are at 6" o.c. at the base member and 12" o.c. at all remaining members.
- Roof stitch screws are located at each member with two between members (20" max. spacing).
- Wall stitch screws are located at each member with one between members (20" max. spacing).
- Skylight stitch screws are at 6" o.c.
- Start endwall panels at centerline of bldg. unless noted.
- Gutter, rake, & eave trim lap 2". All other trims lap 1".
- Field cut or lap panels as required to fit.
- Field cut panels for all openings.
- Pop rivet gutter counterflashing to wall panel on 3'-0" centers and caulk all laps.
- Gutter support strap spacing: Super Span 3'-0", Super Seam 4'-0", Weather Lok-16 2'-8".
- Corner end/or peak boxes are not furnished with special rake or gutter profiles. Field miter as req'd.
- Downspout straps are located 6" from base and at every girt location.
- Hot-rolled or built-up members must be pre-drilled before attaching members screws.
- Metal shavings must be swept from the roof each day to avoid surface rusting.
- Windows and louvers must be installed before sheathing the walls.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.

GENERAL FRAMING NOTES

- Angles are marked by their length in feet and inches.
- Field cut or lap angles as required to fit.
- Flange braces are marked by their length in decimal inches.
- Outside flange of girt turns down unless noted.
- Endwall girts and eave struts do not lap.
- Field cut and self-tap girts at walk doors.
- Field slot girts for brace rods or cables.
- Field locate windows and walk doors.
- Field weld all splices at 14 gauge valley gutters.
- Field bolt AK400 base clip to endwall columns:
 - (2) 5/8" x 1-1/2" A325 bolts if (1) AK400 req'd
 - (2) 5/8" x 1-3/4" A325 bolts if (2) AK400 req'd
- Locate top of roof framed openings flush with the pan of the roof panel.
- Some field drilling at framed openings may be required. Field drill 9/16" diameter holes.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.
- Sub-jamb for overhead doors, if required, is not furnished by Metal Building Provider

DRAWING STATUS

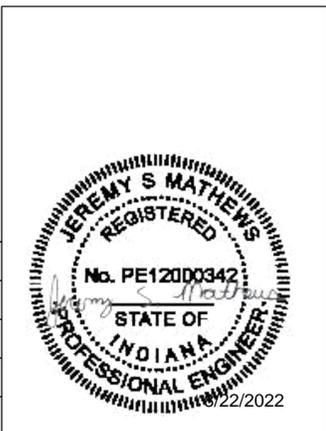
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ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR

SHEET DESCRIPTION:		BLDG. SIZE:	
ENDWALL ELEVATION		28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER:		CUSTOMER LOCATION:	
ELITE HOMES LLC		FRANKLIN, IN 46131	
PROJECT REFERENCE:		JOB SITE LOCATION:	
ELITE HOMES LLC		FRANKLIN, IN 46131	
JOB SITE COUNTY:		JOB NO.:	
JOHNSON		9803-29401	
DWN:	CHK:	DATE:	ENG:
NVK	PNR	08.16.22	AKB
JOB NO.:		DWG NO.:	
9803-29401		E4	
ISSUE:		DATE:	
P1		8/22/2022	

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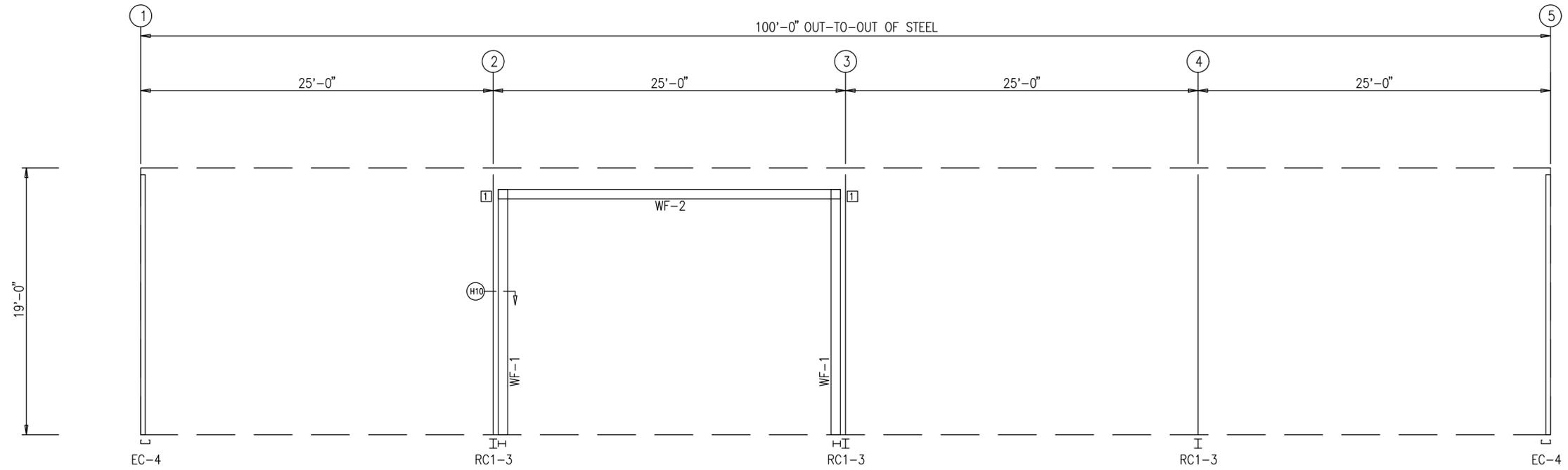


BOLT TABLE FRAME LINE E				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	3/4"	1 3/4"
WF-1 - RC1-3	8	A325	5/8"	1 3/4"

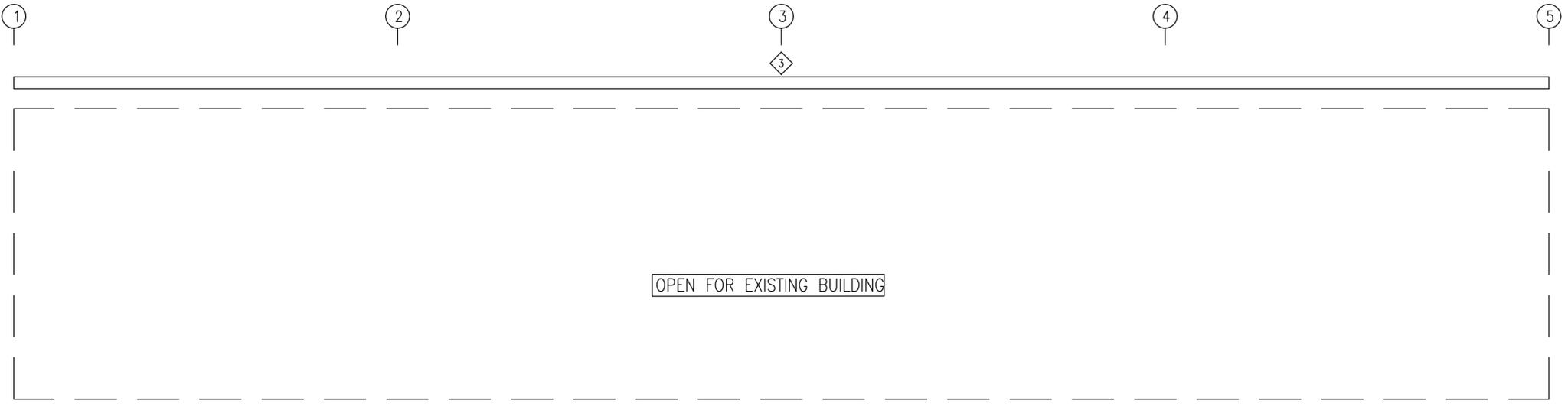
TRIM TABLE FRAME LINE - E		
QID	PART	LENGTH
3	MT-102	20'-3"

MEMBER TABLE FRAME LINE E	
MARK	PART
WF-1	W8541
WF-2	W8641

CONNECTION PLATES FRAME LINE E	
ID	MARK/PART
1	AK508



SIDEWALL FRAMING: FRAME LINE E



SIDEWALL SHEETING & TRIM: FRAME LINE E

GENERAL SHEETING & TRIM NOTES

- Refer to erection drawings for rake angle locations.
- Roof member screws are at 12" o.c. Eave end lap and peak screws are as shown.
- Wall member screws are at 6" o.c. at the base member and 12" o.c. at all remaining members.
- Roof stitch screws are located at each member with two between members (20" max. spacing).
- Wall stitch screws are located at each member with one between members (20" max. spacing).
- Skylight stitch screws are at 6" o.c.
- Start endwall panels at centerline of bldg. unless noted.
- Gutter, rake, & eave trim lap 2". All other trims lap 1".
- Field cut or lap panels as required to fit.
- Field cut panels for all openings.
- Pop rivet gutter counterflashing to wall panel on 3'-0" centers and caulk all laps.
- Gutter support strap spacing: Super Span 3'-0", Super Seam 4'-0", Weather Lok-16 2'-8".
- Corner and/or peak boxes are not furnished with special rake or gutter profiles. Field miter as req'd.
- Downspout straps are located 6" from base and at every girt location.
- Hot-rolled or built-up members must be pre-drilled before attaching members screws.
- Metal shavings must be swept from the roof each day to avoid surface rusting.
- Windows and louvers must be installed before sheathing the walls.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.

GENERAL FRAMING NOTES

- Angles are marked by their length in feet and inches.
- Field cut or lap angles as required to fit.
- Flange braces are marked by their length in decimal inches.
- Outside flange of girt turns down unless noted.
- Endwall girts and eave struts do not lap.
- Field cut and self-lap girts at walk doors.
- Field slot girts for brace rods or cables.
- Field locate windows and walk doors.
- Field weld all splices at 14 gauge valley gutters.
- Field bolt AK400 base clip to endwall columns:
(2) 5/8" x 1-1/2" A325 bolts if (1) AK400 req'd
(2) 5/8" x 1-3/4" A325 bolts if (2) AK400 req'd
- Locate top of roof framed openings flush with the pan of the roof panel.
- Some field drilling at framed openings may be required. Field drill 9/16" diameter holes.
- For clarity, tape sealant, closures, etc. may not be shown. Refer to the standing seam erection manual or standard pull out for screw-down type roof for additional installation instructions.
- Sub-jams for overhead doors, if required, is not furnished by Metal Building Provider

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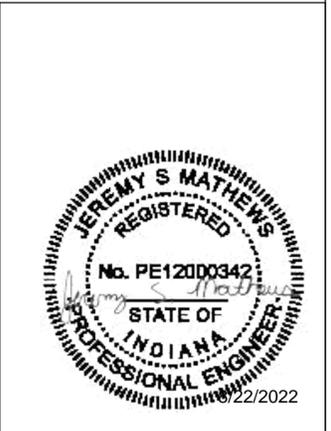
FOR CONSTRUCTION PERMIT:
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FOR ERECTOR INSTALLATION:
Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR

SHEET DESCRIPTION: SIDEWALL ELEVATION		BLDG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC		JOB SITE LOCATION: FRANKLIN, IN 46131	
JOB SITE COUNTY: JOHNSON		DWN: NVK	CHK: PNR
DATE: 08.16.22	ENG: AKB	JOB NO: 9803-29401	DWG NO: E5
ISSUE: P1			

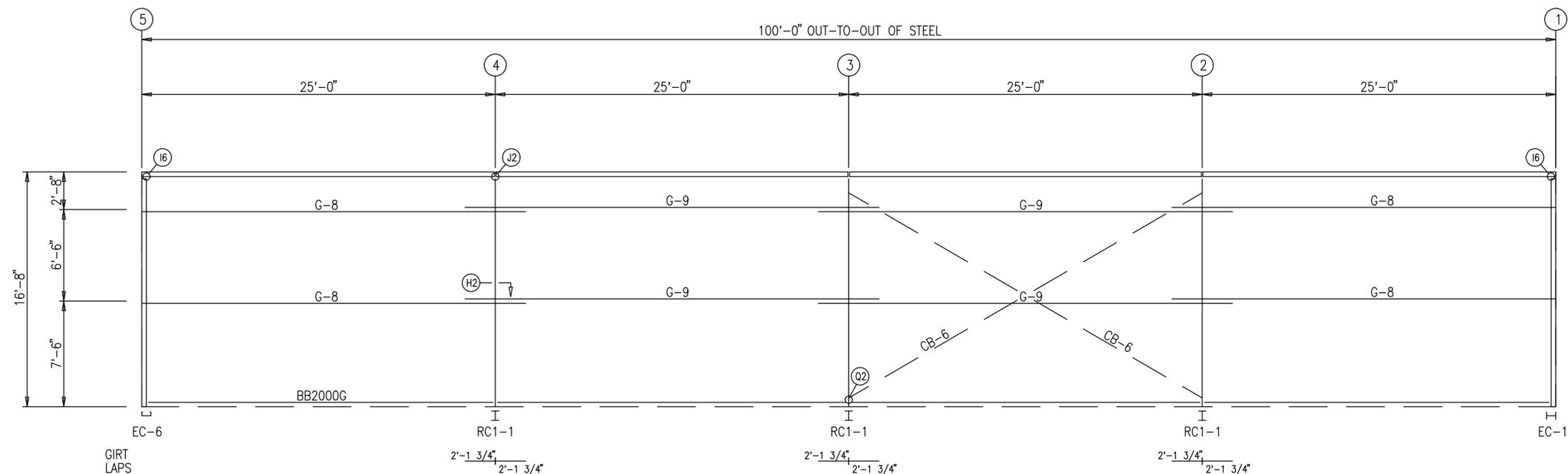


TRIM TABLE
FRAME LINE - A

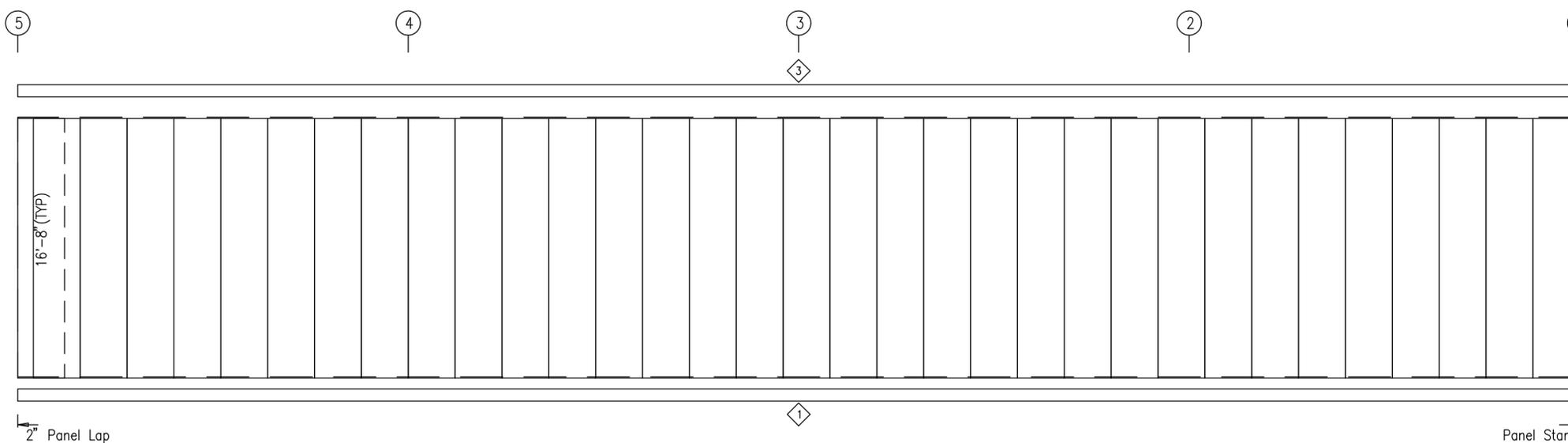
ID	PART	LENGTH
1	BT-101	10'-3"
3	ET-101	20'-3"

MEMBER TABLE
FRAME LINE A

MARK	PART
G-8	8X25Z16
G-9	8X25Z16
CB-6	0.25-CBL



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. SSX - SMP Ash Gray

GENERAL SHEETING & TRIM NOTES

- Refer to erection drawings for rake angle locations.
- Roof member screws are at 12" o.c. Eave end lap and peak screws are as shown.
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- Sub-jams for overhead doors, if required, is not furnished by Metal Building Provider

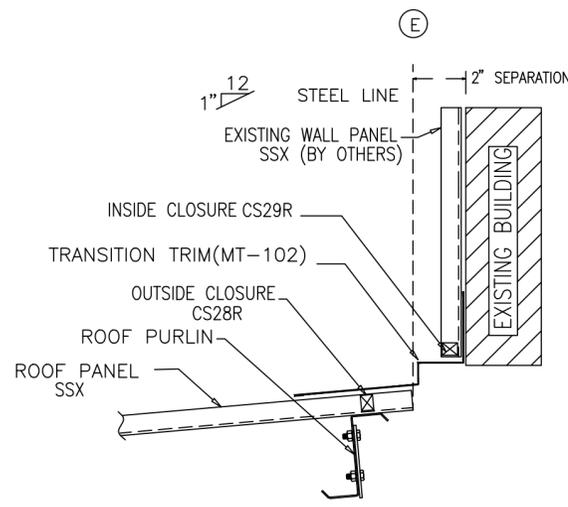
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<input checked="" type="checkbox"/>	FOR CONSTRUCTION PERMIT: These drawings, being for permit, are by definition not final. Only drawings issued "For Erection Installation" can be considered complete.
<input type="checkbox"/>	FOR ERECTOR INSTALLATION: Final drawings for construction.

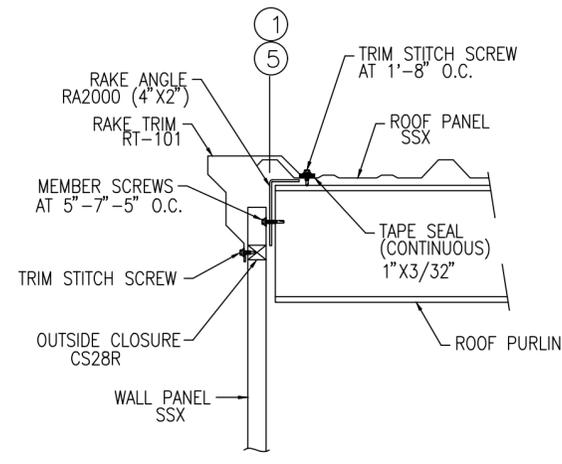


ISSUE	DATE	DESCRIPTION	BY	CHK	SHEET DESCRIPTION:	BLDG. SIZE:
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR	SIDEWALL ELEVATION	28'-0" x 100'-0" x 16'-8" x 19'-0"
					CUSTOMER:	CUSTOMER LOCATION:
					ELITE HOMES LLC	FRANKLIN, IN 46131
					PROJECT REFERENCE:	
					ELITE HOMES LLC	
					JOB SITE LOCATION:	JOB SITE COUNTY:
					FRANKLIN, IN 46131	JOHNSON
DWN:	CHK:	DATE:	ENG:	JOB NO.:	DWG NO.:	ISSUE:
NVK	PNR	08.16.22	AKB	9803-29401	E6	P1

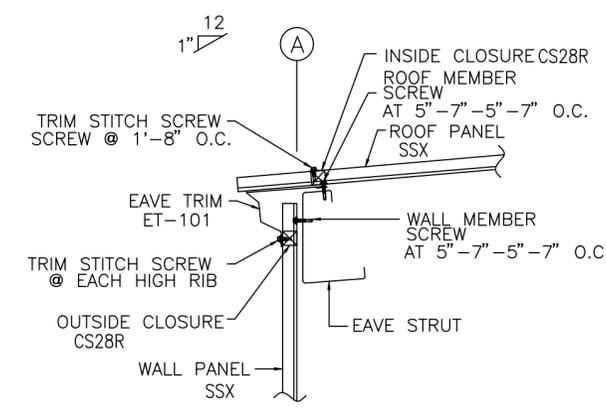




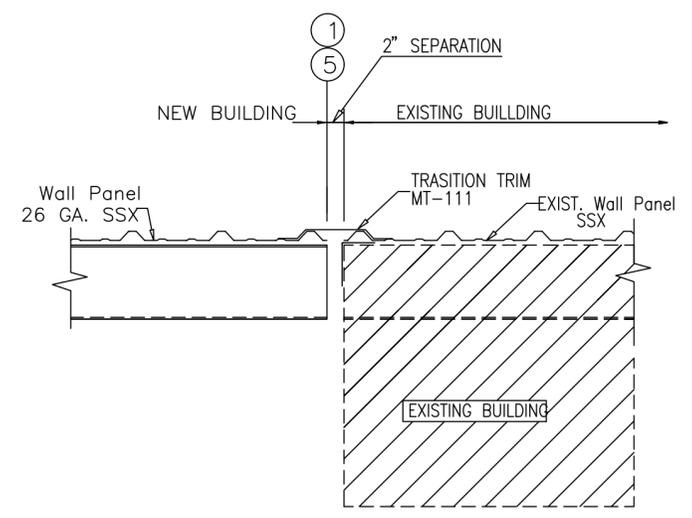
SECTION "B"



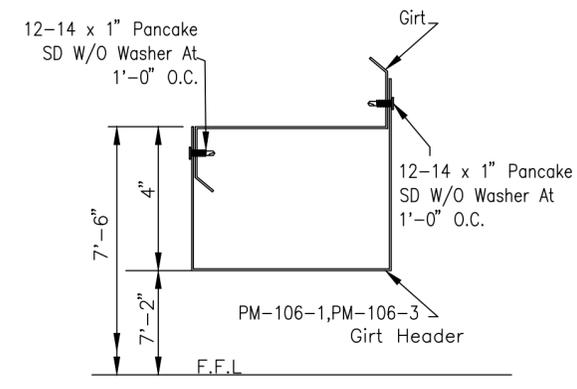
SECTION "A"



SECTION "C"



SECTION "D"



SECTION-X

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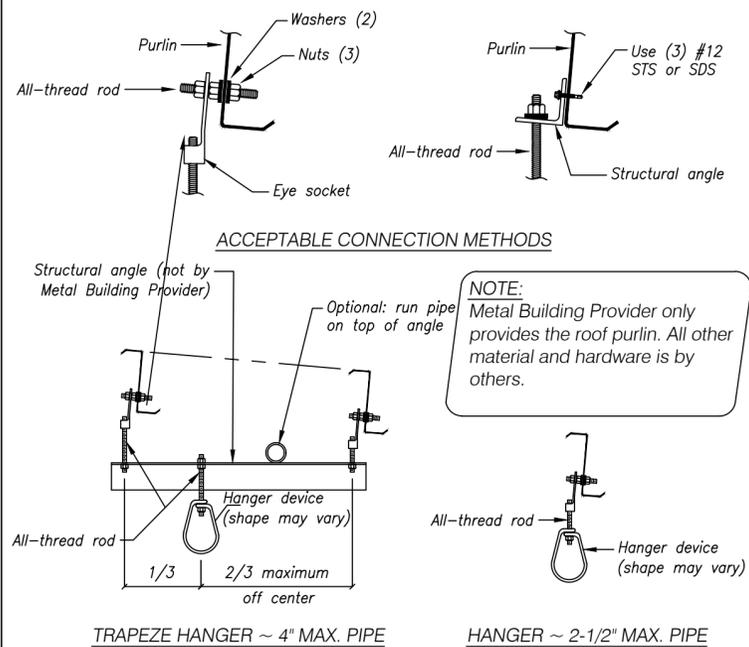
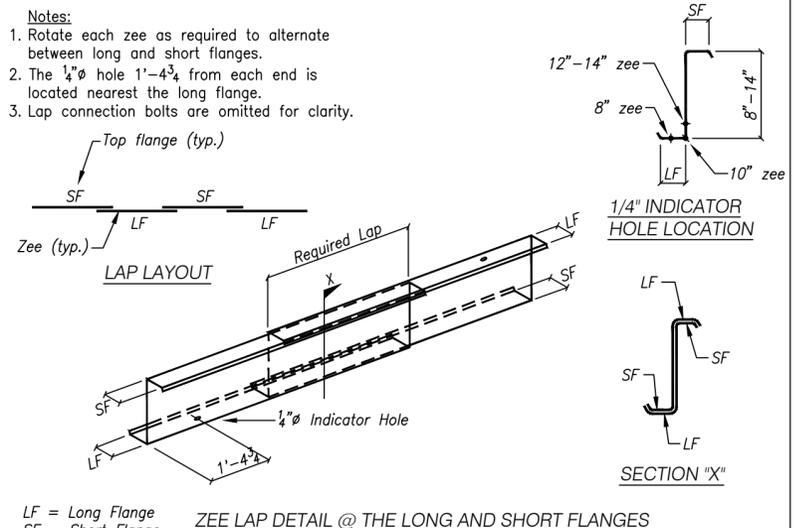
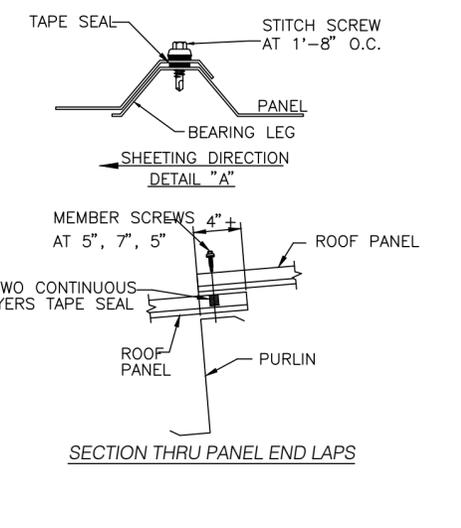
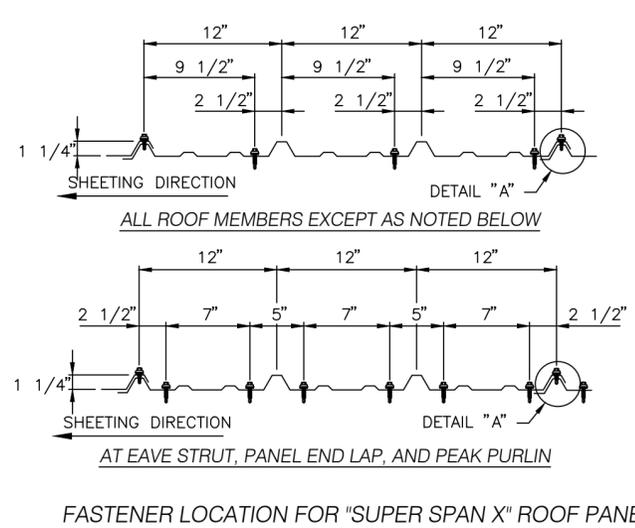
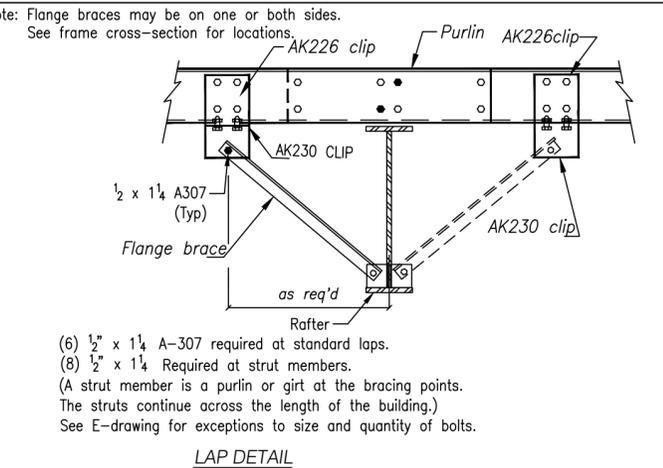
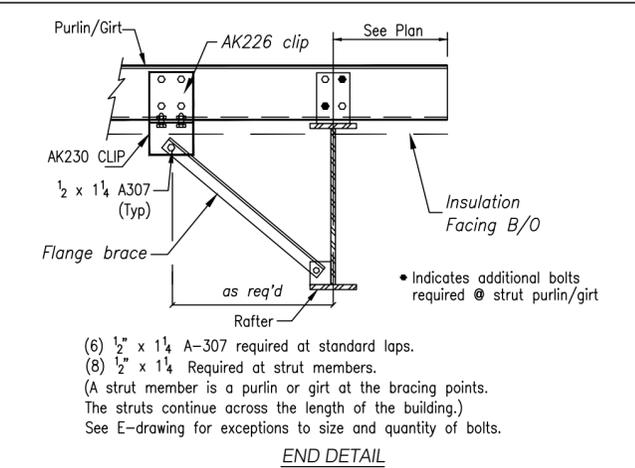
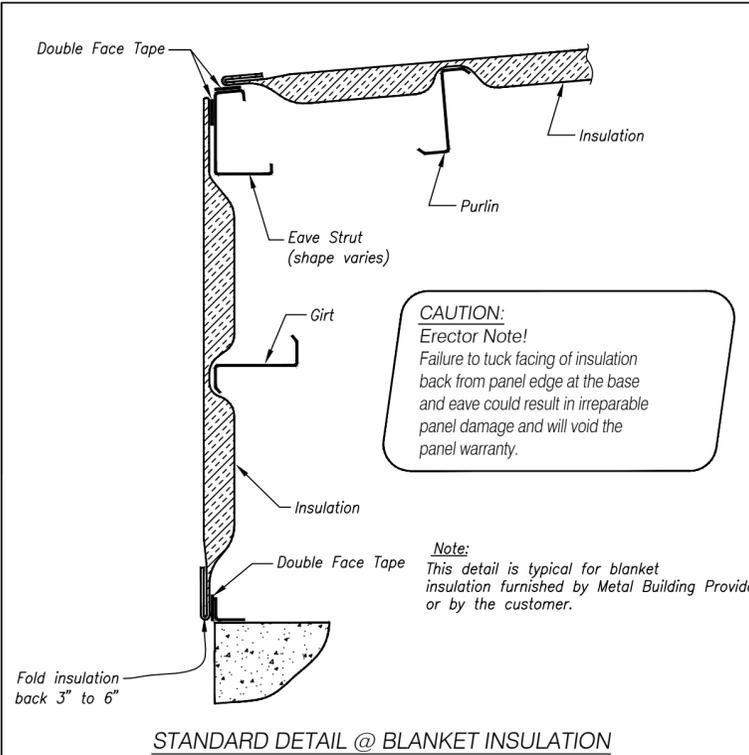
FOR ERECTOR INSTALLATION:
Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR

SHEET DESCRIPTION: SECTION DETAILS		BLDG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC			
JOBSITE LOCATION: FRANKLIN, IN 46131		JOBSITE COUNTY: JOHNSON	
DWN: NVK	CHK: PNR	DATE: 08.16.22	ENG: AKB
JOB NO: 9803-29401	DWG NO: E7	ISSUE: P1	

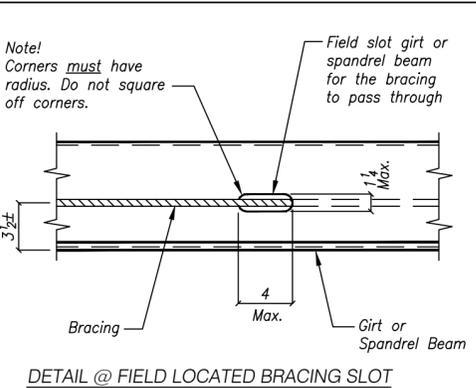




BUILT-UP SECTION LEGEND

Flange Width (in inches)	Flange Thickness (in inches)	Web Thickness (in inches)
5 = 5	3 = 3/8	8 = 1/2
6 = 6	4 = 1/4	0 = 5/8
8 = 8	5 = 5/8	2 = 3/4
0 = 10	6 = 3/8	1 = 1
2 = 12		

1 = 10ga.
2 = 8ga.
3 = 3/8
4 = 1/4
6 = 3/8



Description: 1/4-14 x 7/8 Hex Head Undercut (#14 x 7/8 Long-Life #1 Point Self-Drilling Lap Long-Life Zinc Die Cast Head)

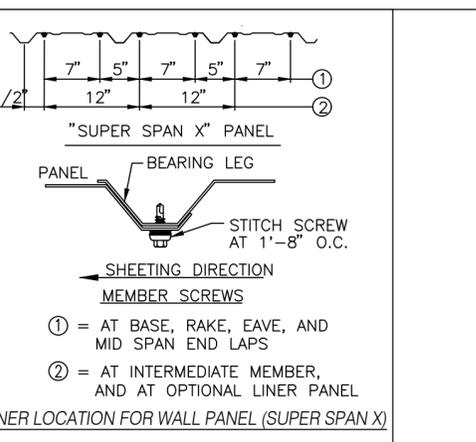
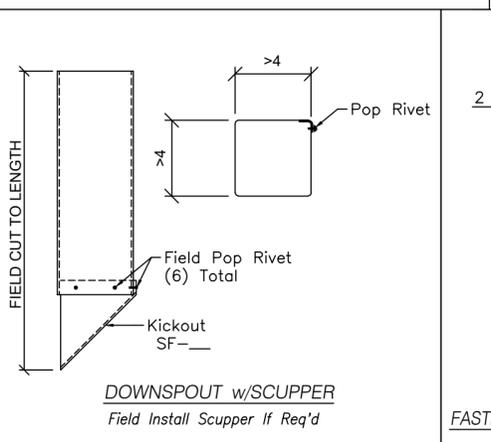
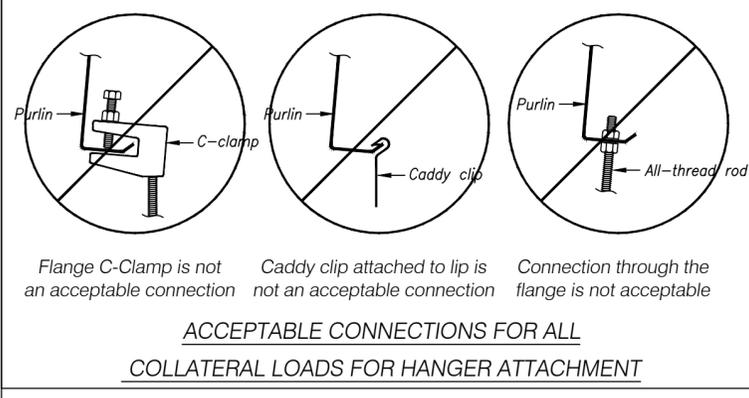
Seating Torque: 30 to 60 in-lbs
Recommended Driving Tool: 1800 RPM electric screw gun with depth sensing nosepiece to prevent overdriving and stripout
Suggested Pre-Drill: None

Actual Size

Description: 12-14 x 1 1/4 Hex Head Undercut (#12 x 1 1/4 Long-Life S.D.S.)

Seating Torque: 30 to 60 in-lbs
Recommended Driving Tool: 1800 RPM electric screw gun with depth sensing nosepiece to prevent overdriving and stripout
Suggested Pre-Drill: None

Actual Size



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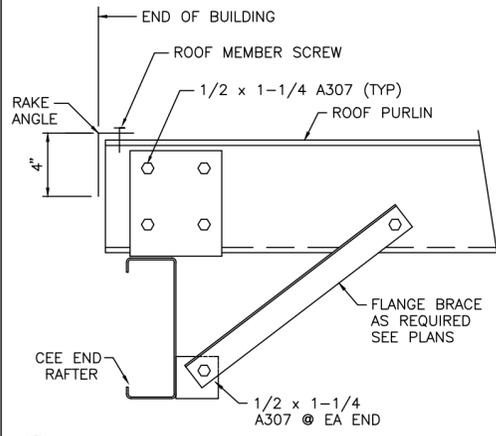
FOR ERECTOR INSTALLATION:
Final drawings for construction.



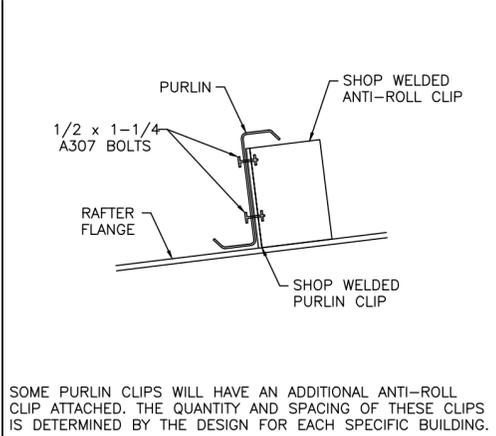
ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR

SHEET DESCRIPTION: STANDARD DETAIL PAGE		BLDG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC		JOB SITE LOCATION: FRANKLIN, IN 46131	
JOB SITE COUNTY: JOHNSON		JOB NO.: 9803-29401	
DWN: NVK	CHK: PNR	DATE: 08.16.22	ENG: AKB
JOB NO.: 9803-29401		DWG NO.: D1	
ISSUE: P1		DATE: 8/22/2022	



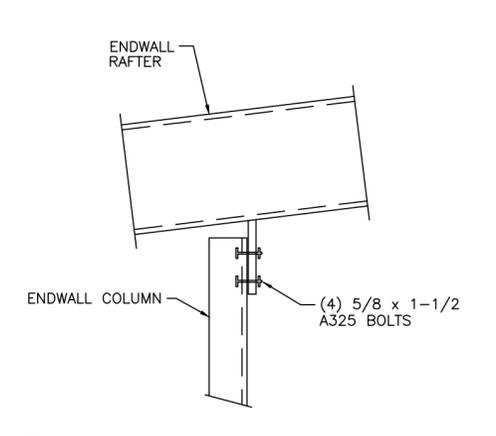


A5 CEE RAFTER TO PURLIN CONNECTION

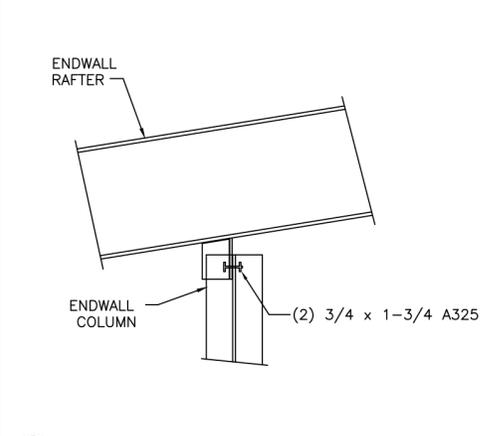


ANTI DETAIL AT ANTI-ROLL CLIP

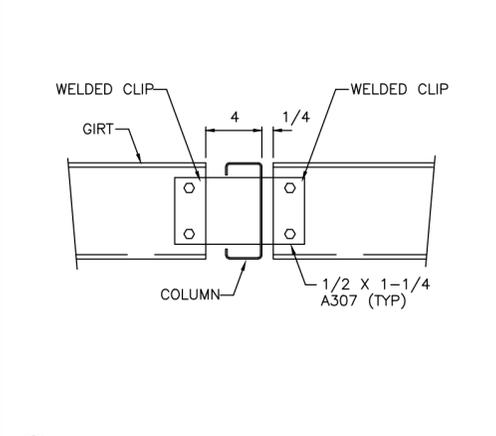
SOME PURLIN CLIPS WILL HAVE AN ADDITIONAL ANTI-ROLL CLIP ATTACHED. THE QUANTITY AND SPACING OF THESE CLIPS IS DETERMINED BY THE DESIGN FOR EACH SPECIFIC BUILDING.



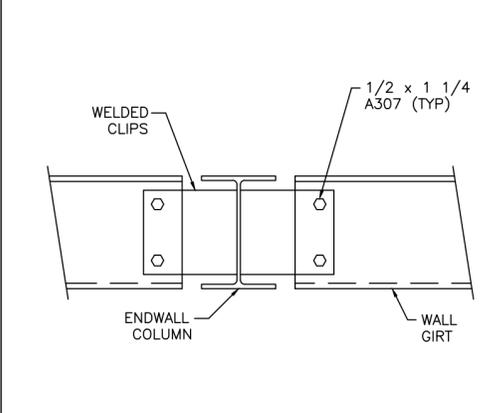
B4 ENDWALL RAFTER TO COLUMN



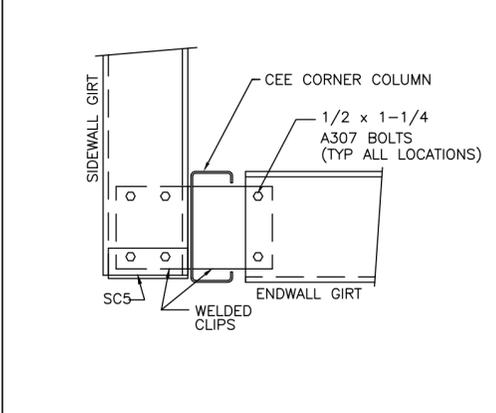
B6 ENDWALL RAFTER TO COLUMN



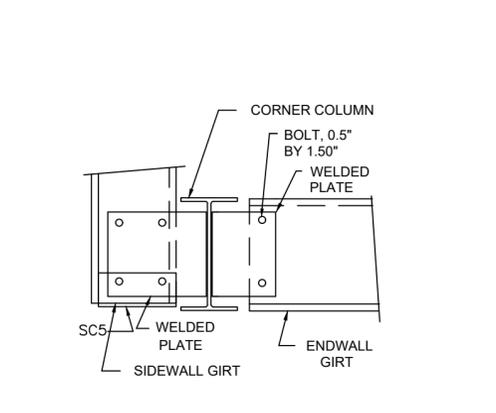
C4 GIRT TO COLUMN



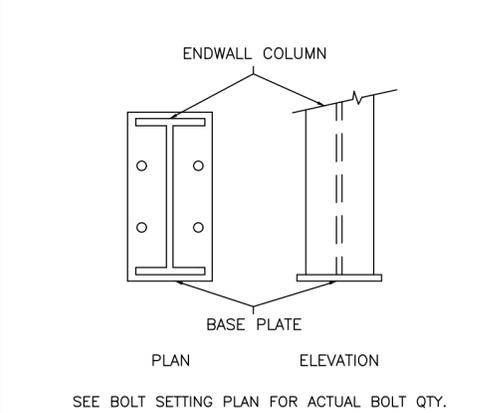
C6 ENDWALL GIRT TO COLUMN



D4 GIRT TO CEE CORNER COLUMN

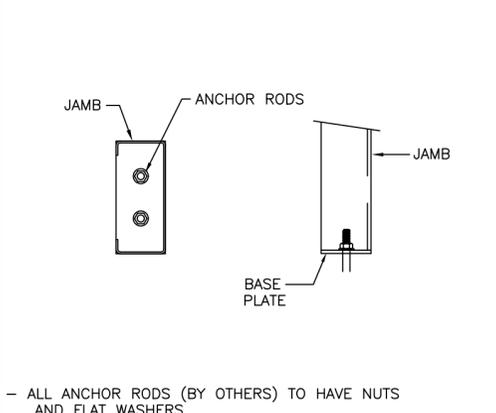


D6 CORNER COLUMN TO WALL GIRT



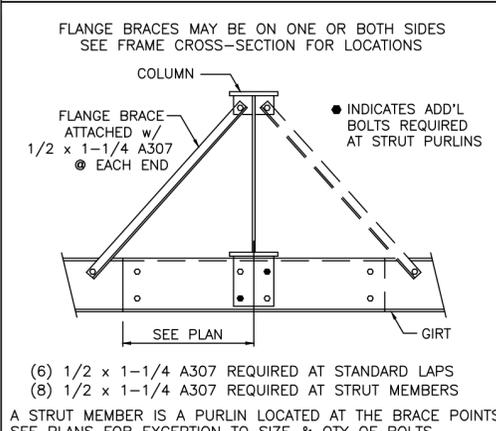
E3 BASE PLATE FOR ENDWALL COLUMN

SEE BOLT SETTING PLAN FOR ACTUAL BOLT QTY.



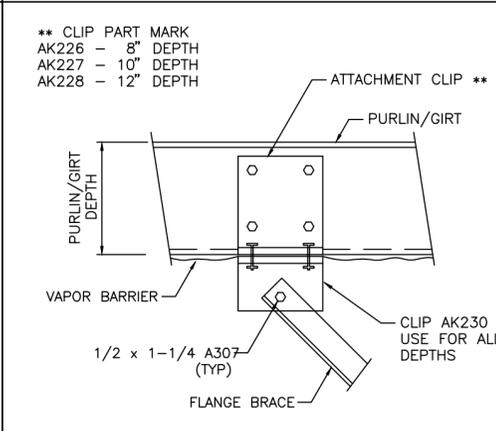
E5 BASE PLATE FOR DOOR JAMB

- ALL ANCHOR RODS (BY OTHERS) TO HAVE NUTS AND FLAT WASHERS.

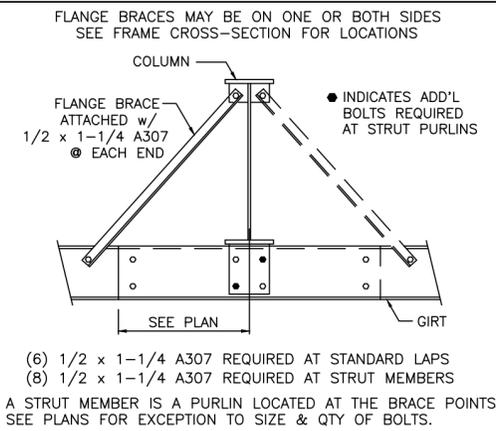


H2 WALL GIRT TO FRAME COLUMN

(6) 1/2 x 1-1/4 A307 REQUIRED AT STANDARD LAPS
(8) 1/2 x 1-1/4 A307 REQUIRED AT STRUT MEMBERS
A STRUT MEMBER IS A PURLIN LOCATED AT THE BRACE POINTS. SEE PLANS FOR EXCEPTION TO SIZE & QTY OF BOLTS.

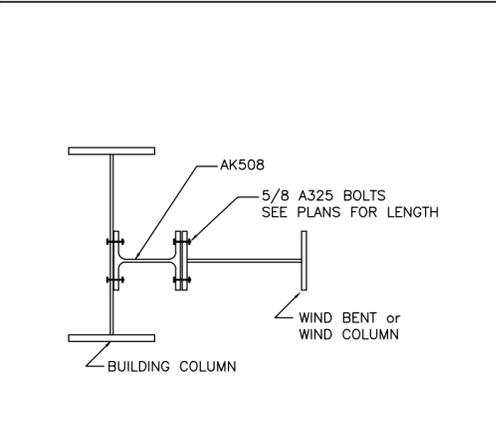


G26 FLANGE BRACE TO PURLIN/GIRT CLIPS
OPTIONAL USE WITH VAPOR BARRIER

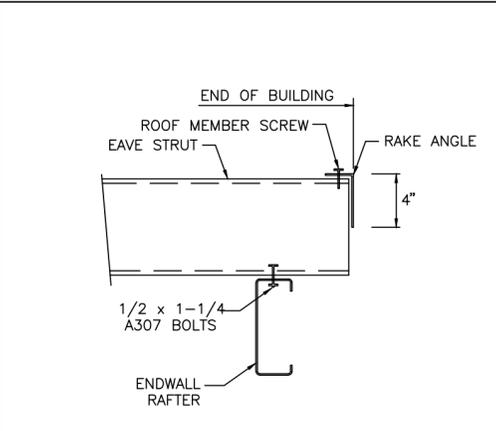


H2 WALL GIRT TO FRAME COLUMN

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(8) 1/2 x 1-1/4 A307 REQUIRED AT STRUT MEMBERS
A STRUT MEMBER IS A PURLIN LOCATED AT THE BRACE POINTS. SEE PLANS FOR EXCEPTION TO SIZE & QTY OF BOLTS.



H10 WIND BENT OR WIND COLUMN TO BUILDING COLUMN



I6 EAVE STRUT TO ENDWALL RAFTER

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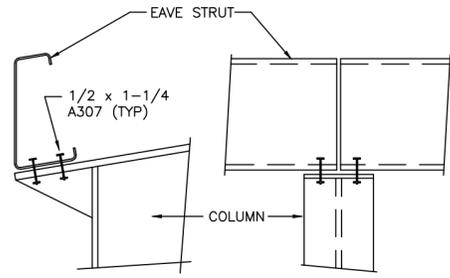


ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR

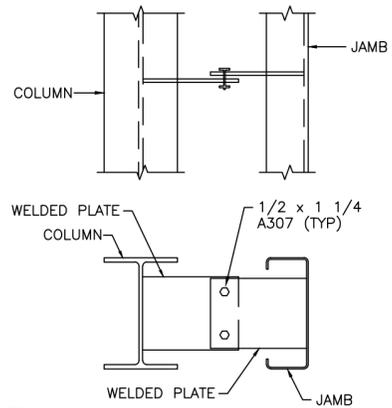
SHEET DESCRIPTION: STANDARD DETAIL PAGE		BLDG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC			
JOB SITE LOCATION: FRANKLIN, IN 46131		JOB SITE COUNTY: JOHNSON	
DWN: NVK	CHK: PNR	DATE: 08.16.22	ENG: AKB
JOB NO: 9803-29401	DWG NO: D2	ISSUE: P1	

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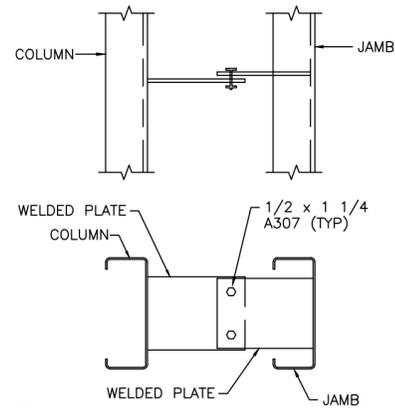




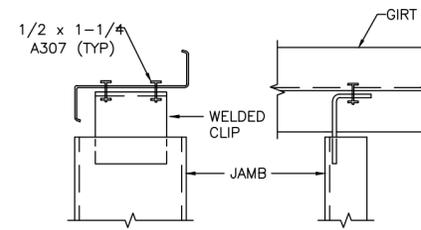
J2 EAVE STRUT TO RIGID FRAME



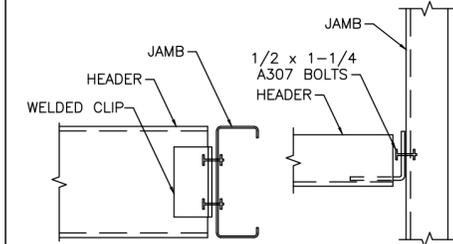
K7 ENDWALL CONNECTION TO JAMB



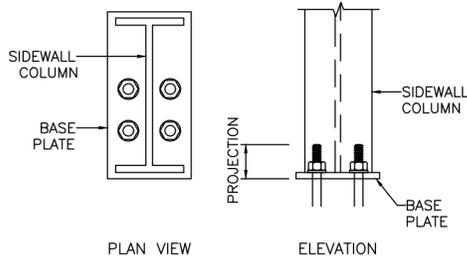
K12 ENDWALL CONNECTION TO JAMB



L8 DOOR JAMB TO WALL GIRT

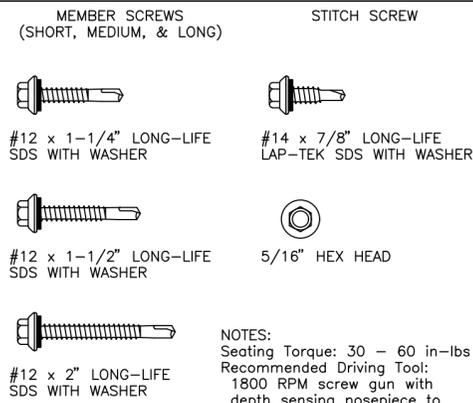


M3 HEADER TO CEE JAMB

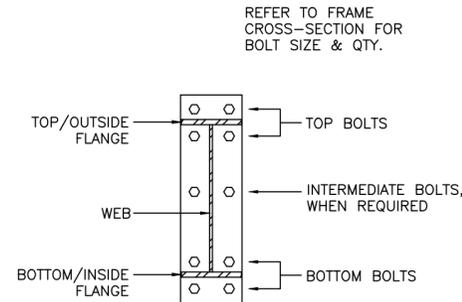


- ALL ANCHOR RODS (BY OTHERS) TO HAVE NUTS AND FLAT WASHERS.
- SEE BOLT SETTING PLAN FOR ACTUAL BOLT QTY.

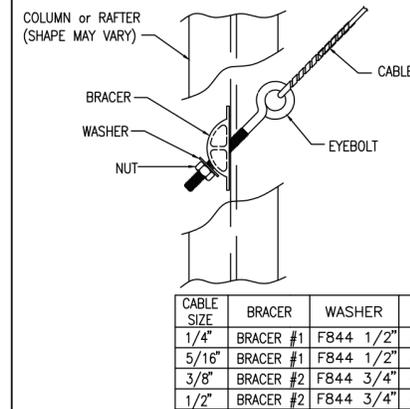
R2 ANCHOR RODS AT SIDEWALL COLUMN



SCREW_4 STANDARD FASTENERS LONG-LIFE SELF-DRILLING



U3 BOLTS FOR RAFTER TO COLUMN CONNECTION



Q2 DIAGONAL CABLE BRACING INSTALLATION

DRAWING STATUS

- FOR APPROVAL: These drawings, being for approval, are by definition not final and are for conceptual representation only. Their purpose is to confirm the proper interpretation of the project documents. Only drawings issued "For Erection installation" can be considered complete.
- FOR CONSTRUCTION PERMIT: These drawings, being for permit, are by definition not final. Only drawings issued "For Erection installation" can be considered complete.
- FOR ERECTOR INSTALLATION: Final drawings for construction.



ISSUE	DATE	DESCRIPTION	BY	CHK
P1	08.16.22	FOR CONSTRUCTION PERMIT	NVK	PNR

SHEET DESCRIPTION: STANDARD DETAIL PAGE		BLDG. SIZE: 28'-0" x 100'-0" x 16'-8" x 19'-0"	
CUSTOMER: ELITE HOMES LLC		CUSTOMER LOCATION: FRANKLIN, IN 46131	
PROJECT REFERENCE: ELITE HOMES LLC			
JOBSITE LOCATION: FRANKLIN, IN 46131		JOBSITE COUNTY: JOHNSON	
DWN: NVK	CHK: PNR	DATE: 08.16.22	ENG: AKB
JOB NO: 9803-29401	DWG NO: D3	ISSUE: P1	

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