

**Oklahoma City**420 W Main St., 8th Floor  
Oklahoma City, OK 73102**Final Report - Approved****Application No. BLDC-2023-01964****Description : Construct pre-engineered building and interior finish; concrete paving****Address : 12416 ROAD RUNNER LN UNIT A, OKLAHOMA CITY, OK, 73114****Record Type : Building - Commercial****Document Filename : Approved set**Comment Author Contact Information:

Author Name	Author Email	Author Phone No.:
LaTia Colston	<a href="mailto:latia.colston@okc.gov">latia.colston@okc.gov</a>	405-297-1523

General Comments

Comment ID	Author : Department	Status	General Comments	Applicant Response Comments
1	LaTia Colston : Development Services	Closed	"Type of Construction: 2B Use Group: S-1/B Sprinkler: No Occupancy Load: 25 Zoning: I-2 Parking Required: 12 required (1 accessible) / 11 shown Last CO: N/A This Review Covers Building Code Compliance Only: All Other Work, i.e., Mechanical, Electrical, Plumbing, etc., Shall Comply with Their Respective Codes. Structures Must Comply With Energy Conservation Requirements. Smoke Detectors Required Code Section Ord. #25,522 All Reserved Accessible Parking Spaces Shall Be Posted With Above Grade Sign Code Section Ord. #18743 The Owner Must Independently Achieve Compliance with The Americans with Disabilities Act. All work shall comply with all local ordinances and codes, including all applicable sections of the 2015 International Existing Building Code as adopted by The City of Oklahoma City. An approved set of building plans, along with the review worksheet(s), must be on the site at all times."	
2	LaTia Colston : Development Services	Closed	Build / Locate as per approved plan.	

Comment ID	Author : Department	Status	General Comments	Applicant Response Comments
3	LaTia Colston : Development Services	Closed	Public Works/ Engineering approval required, contact (405) 297-2851	
4	LaTia Colston : Development Services	Closed	Fire Marshal approval required, contact (405) 297-3584	
5	LaTia Colston : Development Services	Closed	Utilities approval required, contact (405) 297-2666	
6	LaTia Colston : Development Services	Closed	All fences/dumpster enclosures/retaining walls req separate permit.	
7	LaTia Colston : Development Services	Closed	Storm Water Quality Permit required/contact 297-1774. Please email me the permit number once its received from storm water quality.	
8	LaTia Colston : Development Services	Open	<p>*3RD REVIEW* Site plan not meeting required criteria - 07/10/2023</p> <p>*2ND REVIEW* Site plan not provided but required - 06/28/2023</p> <p>*1ST REVIEW*</p> <p>Site plan does not match platted lot/block. Provide overall scaled site plan showing all;</p> <ul style="list-style-type: none"> <li>-property lines bearing &amp; distance</li> <li>-setbacks, easements, rights-of-way</li> <li>-parking, driveways, sidewalks, curbs</li> <li>-building location, and the accessible path to the building</li> </ul> <p>Dimension &amp; label all property lines and site elements.</p>	
9	LaTia Colston : Development Services	Open	This is a partial review based on incomplete information. Additional information to come based on revisions.	
14	LaTia Colston : Development Services	Closed	1 service sink required	
15	LaTia Colston : Development Services	Closed	Drinking fountains required per IBC 1109.5.1 and 2902.1.	
16	LaTia Colston : Development Services	Closed	Emergency egress lighting & illuminated exit signs req'd per Section 1013 including Tactile Exit Signs at req'd doors.	
17	LaTia Colston : Development Services	Closed	Show door landings.	
18	LaTia Colston : Development Services	Closed	<p>Interior finishes to comply with section 803</p> <p>Interior exit stairways, ramps, and exit passageways must have a Class B: = Flame spread index = 26-75 and smoke developed index = 0-450.</p> <p>Corridors and enclosures for exit access stairways and ramps must have a Class B: = Flame spread index = 26-75 and smoke developed index = 0-450.</p> <p>Rooms and enclosed spaces must have a Class C: = Flame spread index = 76-200 and smoke developed index = 0-450.</p>	
19	LaTia Colston : Development Services	Closed	Provide foundation plans. Required to be engineer sealed and signed if clear span exceeds 30 ft.	

Comment ID	Author : Department	Status	General Comments	Applicant Response Comments
22	LaTia Colston : Development Services	Closed	Provide landscaping for review; 36 parking points minimum required. 9 of 36 points minimum required for evergreen & 9 of 36 points maximum for sod. In addition to parking points, 1 street frontage tree (medium 2") is required per each 40' of frontage, $153.69/40 = 3.84$ or 4 street frontage trees required. Provide method of irrigation. If hose bibs are being used, must be shown within 100' of all landscaped areas.	
23	LaTia Colston : Development Services	Closed	Show accessible route to building.	
24	LaTia Colston : Development Services	Closed	Maximum 34" height req'd for accessible sink(s) including breakroom sink.	
25	LaTia Colston : Development Services	Closed	An accessible route at least 36" wide must be provided at all accessible elements including beds, closets & furnishings.	
27	LaTia Colston : Development Services	Closed	Provide a complete water meter card. Water meters can be located at <a href="https://www.okc.gov/departments/utilities/builders-contractors-information">https://www.okc.gov/departments/utilities/builders-contractors-information</a>	
28	LaTia Colston : Development Services	Closed	Permit is reviewed as shell permit only. No occupancy will be allowed. Each tenant space will require a separate permit. Revise plans to show no internal walls/plumbing fixtures.	

Corrections in the following table need to be applied before a permit can be issued



**GENERAL CONSTRUCTION NOTES**

- Prior to starting construction, the Contractor shall be responsible to make sure that all required Permits and Approvals have been obtained. No construction or fabrication shall begin until the Contractor has received and thoroughly reviewed all plans and other documents approved by all of the permitting authorities.
- All work shall be performed in accordance with these plans and specifications and the requirements and standards of the local governing authority. The responsibility of obtaining the services of a Soils Engineer shall be by others, verify existing conditions and recommendations for excavation and fill.
- The Contractor is responsible for the location of all utilities and must have all utilities located prior to commencing any excavation. The Contractor shall verify the invert and flowline elevations of all water lines, sanitary sewers, storm drains, drainage structures, and surface drainage courses prior to laying any new pipe. The Contractor shall coordinate with all local utility companies to determine exact point of service connection at existing utility. Refer to the building electrical and plumbing drawings and verify on site utility service entrance locations, sizes and circuiting. The Contractor must call OKIE at (405) 840-5032 or dial 8-1-1 to have all public utilities (water and sanitary sewer lines) and franchised utilities (electric lines, telephone cables, fiber optic lines, cable television, gas lines and oil pipelines) located at least two (2) days prior to starting construction.
- The Contractor is responsible for the protection of all utility lines and structures, whether shown or not, both public and private. Any damage to a utility line or structure, because of the Contractor's actions, shall be repaired solely at the Contractor's expense to a condition as good or better than that prior to the damage. The Contractor must call 9-1-1 immediately if a natural gas pipeline is cut, damaged or otherwise disturbed. The City fire department and gas line operator must inspect the pipe before work can resume at that location.
- The Contractor must notify the following persons at least forty-eight (48) hours in advance of placing or removing any barricades or otherwise modifying existing traffic control devices or placing any temporary traffic control device. Notification by fax is preferred.
 

Department	Fax #	Phone #
Inspection Services:	682-7067	297-3571
Traffic Management:	297-3365	297-2531
Police Support Services:	316-1140	297-1140
Fire Department:	297-3329	297-3314
Emergency Operations Center:	424-1609	297-2255
- The Contractor must notify all affected city utility customers at least ten (10) working days prior to anticipated service interruption. All work must be carried out carefully to minimize customer service interruption during construction. Streets temporarily closed to through traffic during construction shall remain open to local traffic to the maximum extent practical during the work. Detour routes shall be furnished by the Engineer. The Contractor shall furnish and erect all detour signage as directed. Where work is carried on, in or adjacent to any street, alley or public place, the Contractor shall, at his own expense, furnish and erect such barricades, fences, lights and/or other protective barriers, and take such other precautionary measures for the protection of persons or property and of the work as are necessary. A sufficient number of barricades shall be erected to keep vehicles from being driven into any work under construction. Failure to comply with this requirement will result in the Engineer shutting down the work until the Contractor has provided the necessary protection. All such barricades and signs and the use thereof shall be in strict compliance with The Manual On Uniform Traffic Control Devices, Part IV - Traffic Controls for Street and Highway Construction and Maintenance Operations.
- The Contractor shall maintain access for emergency vehicles around and to all buildings near construction; i.e. in times of rain or mud, roads shall be able to carry a fire truck by being paved or having a crushed stone base, etc.. With a minimum width of 20 feet. This access to buildings that have sprinkler or standpipe systems shall be to within 40 feet of the fire department connector. (NFPA 1141 3-1).
- All construction materials and work shall conform to the applicable City or County specifications with the additional supplements, as referenced in the project documents.
- All materials shall be new unless used or salvaged materials are authorized by the Owner.
- All concrete shall be Class A, 3,500 psi at 28 days compressive strength with a maximum slump of 4" unless noted otherwise. All exposed concrete to have a fine broom finish. Sidewalks and other non-structural concrete shall be Class A, 3,000 psi concrete with a fine broom finish.
- All elevations shown are on the Mean Sea Level (M.S.L.) datum. All dimensions to curb are to the face of curb. All dimensions to street "centerlines" are to the centerline of the right-of-way or section line.
- The Contractor shall develop and make all detailed surveys needed for construction. The cost of the construction survey and staking shall be included in the price bid for other items of work and are the responsibility of the Contractor to coordinate.
- All fences removed as a result of the Contractor's actions shall be replaced in kind with fencing equal to or better than the original fence. All costs for fence removal and replacement shall be included in the price bid for other items of work.
- All work not classified as a contract pay item shall be considered incidental construction and the cost for such shall be included in the price bid for other items of work.
- Sediment control for utility construction is required. Trenches must be backfilled at the end of each day's work. No more trench shall be opened than can be completed in the same day unless temporary silt fence is placed immediately downstream of any area intended to remain disturbed for more than one day. Excavated materials shall be placed on the high side of the trench.
- City personnel are not permitted to enter any trench or excavation more than five (5) feet deep, for any reason, unless it is sloped or shored in accordance with 29 CFR 1926 OSHA Subpart P, "Excavations and Trenches."
- All disturbed, unpaved areas within easements and right-of-way shall be seeded, fertilized, and watered in accordance with ODOT Specifications Phase 232, "Seeding", as required under the "Revegetation" pay item if provided or as noted otherwise on the plans. Seeded areas shall be repaired and maintained until all portions of the project are complete and approved for final acceptance. All other areas disturbed as a result of the Contractor's actions shall be restored in a manner acceptable to the Engineer to a condition as good or better than that prior to the disturbance at no expense to the Client.
- All removed salvageable public utility items shall remain the property of the City and shall be stockpiled in an area within the project limits designated by the Engineer for collection by City forces.
- All ditches disturbed during construction shall be reshaped and sloped to drain. Solid slab sod shall be used in all areas where soil has been exposed and positive means of sod stabilization shall be used to prevent displacement of sod by storm waters.
- Erosion control devices in the form of sediment fences are required at driveway culverts, street culverts, drainage structures, storm sewer manholes and sanitary sewer manholes located in ditches where soil has been disturbed. Those items shall be placed as directed by the Engineer and the cost shall be included in other items.
- Manhole covers shall not be covered by grading, sodding, or any other construction operation.
- Landscape Conservation Note: All areas disturbed by grading shall have temporary vegetative cover provided. (such cover shall consist of annual grasses or small grains.) Slopes exceeding 4:1 shall have additional protection of mulching to prevent erosion.
- Contractor to obtain NOI prior to beginning construction.

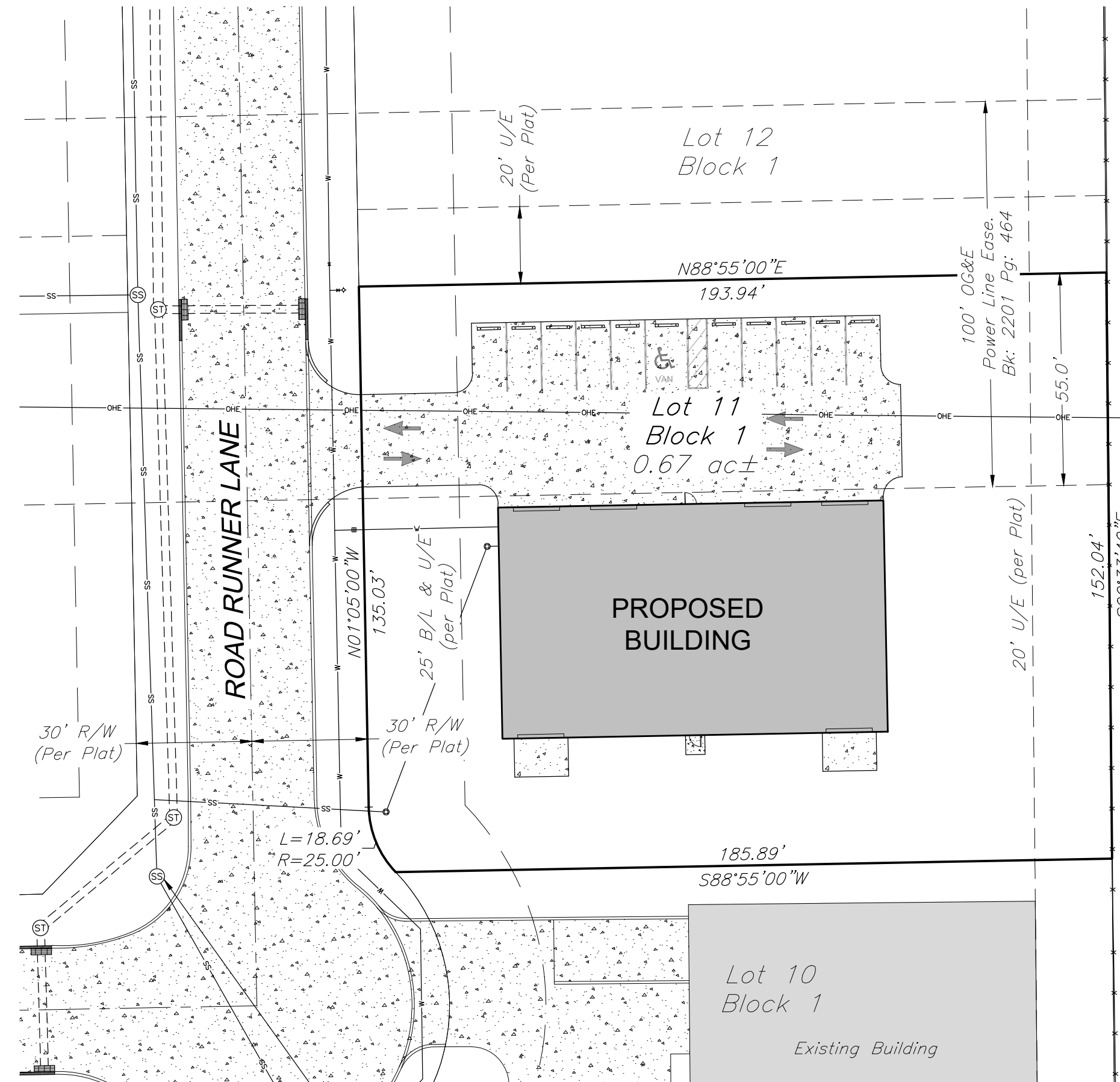
CIVIL DEVELOPMENT PLANS  
**12416 ROAD RUNNER LANE**  
 Legends Industrial Park  
 Oklahoma City, OK 73116



APPROVED IN ACCORDANCE WITH  
 THE PROVISIONS OF THE OKLAHOMA  
 CITY BUILDING CODE

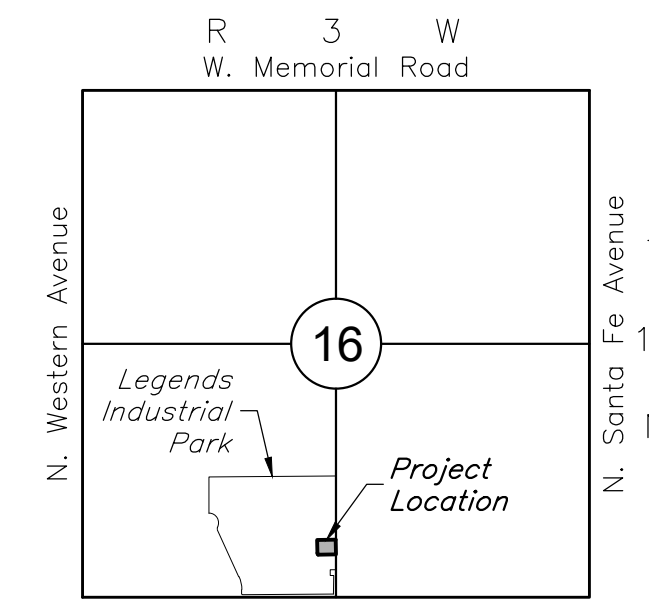
Checked by LaTia Colston Date 08.07.2023

THIS SHEET IS PART OF  
 THE APPROVED PLANS.  
 CITY OF OKLAHOMA CITY  
 DEVELOPMENT CENTER

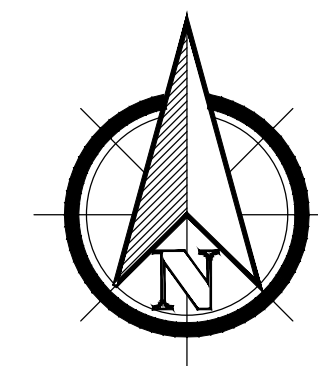


ALL ELECTRICAL, PLUMBING, HEAT AND  
 AIR, FENCE, SIGN, SIDEWALK, AND DRIVEWAY  
 CONSTRUCTION SHALL BE PERFORMED BY  
 A LICENSED AND BONDED CONTRACTOR  
 AND SHALL CONFORM TO THE RESPECTIVE  
 CODE REQUIREMENTS FOR EACH.

**NOTICE**  
 One (1) Set of Approved  
 Building plans must remain  
 on construction site during  
 construction.



**LOCATION MAP**  
 Scale: 1" = 2000'



**SCALE:**  
 1" = 30'

**BASIS OF BEARING:**  
 Final Plat of  
 Legends Industrial Park

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
C-1	TITLE SHEET
C-2	EXISTING TOPOGRAPHY AND EROSION CONTROL PLAN
C-3	SITE PLAN
C-4	GRADING PLAN
C-5	UTILITY PLAN
C-6	LANDSCAPE PLAN
C-7	CONSTRUCTION DETAILS

**LEGAL DESCRIPTION**

Lot Eleven (11), in Block One (1), of LEGENDS INDUSTRIAL PARK, to Oklahoma City, Oklahoma County, Oklahoma, according to the recorded plat thereof.

**FLOOD STATEMENT**

This property is located in Flood Zone "X" (Areas determined to be outside the 0.2% annual chance floodplain) per F.I.R.M. Map Number 40109C0160-H, Panel 160 of 370, Oklahoma County, Oklahoma and Incorporated areas, revised 12/18/2009.

**ZONING**

I-2 Moderate Industrial

**COMMON ACCESS**

Direct access to Road Runner Lane, a dedicated Public street.

**STORM WATER QUALITY PERMIT**

SWL-2021-00545

**UNDERGROUND UTILITIES NOTE**

Source information from plans and markings have been combined with observed evidence of utilities to develop a view of those underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely and reliably depicted. Where additional or more detailed information is required, the client is advised that excavation or pot-holing may be necessary.

**PHYSICAL ADDRESS**

12416 Road Runner Lane  
 Oklahoma City, OK 73116  
 Building Permit # 2023-\_\_\_\_\_

**BILLING ADDRESS**

Todd Martin  
 801 N.W. 122nd Street, Suite B  
 Oklahoma City, OK 73114

**Note To Contractors**  
 Call Okie :1-800-522-6543

LOCATION OF UNDERGROUND UTILITY SERVICES. CONTRACTORS MUST CONTACT THIS NUMBER PRIOR TO ANY EXCAVATION OR CONSTRUCTION.

EVERY EFFORT HAS BEEN MADE TO LOCATE AND IDENTIFY APPROXIMATE LOCATIONS OF UNDERGROUND UTILITY LINES. BURIED UTILITIES ARE NOT NECESSARILY AS SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PRESERVE ALL SERVICES. CONTRACTOR MUST CONTACT ALL UTILITIES PRIOR TO ANY CONSTRUCTION.



**LEGEND**

- (o) Indicates Set Monument
- (●) Indicates Existing Monument
- Water Meter
- Water Valve
- Fire Hydrant
- Hose Bib
- Water Well
- Power Pole
- Light Pole
- Guy Wire
- Gas Meter
- Vent Pipe
- Telephone Pedestal
- Electric Box
- Clean Out
- Manhole
- Storm Drain
- Air Conditioner
- Sign
- Benchmark
- Tree
- TUG - Underground Telephone
- UGE - Underground Electric
- OHE - Overhead Electric
- FOC - Fiber Optic Cable
- CATV - Cable TV
- PET - Petroleum Line
- G - Gas Line
- HPG - High Pressure Gas Line
- W - Water Line
- SS - Sanitary Sewer Line
- STS - Storm Sewer
- PSS - Pressurized Sanitary Sewer Line
- X - Wire Fence
- - Wood Fence
- - Chainlink Fence
- - - - - Drainage Flow Line

NOT PLATTED

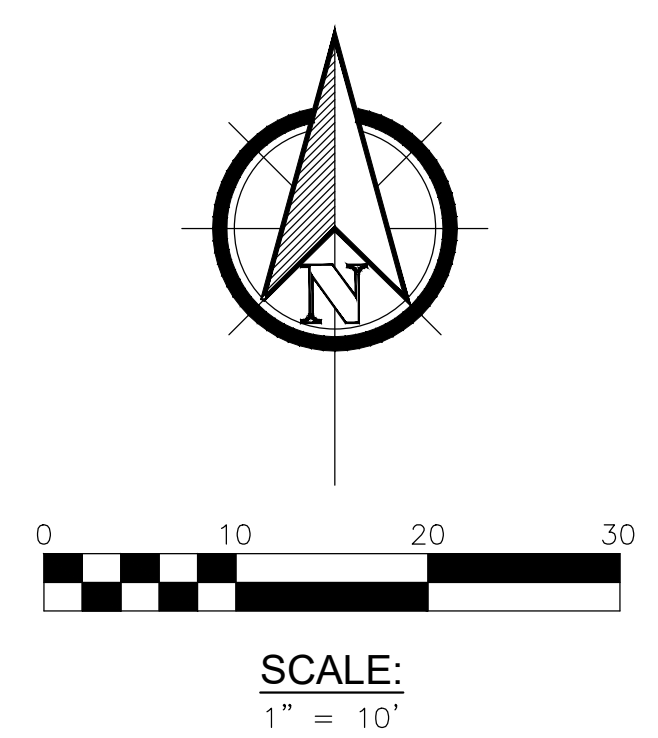
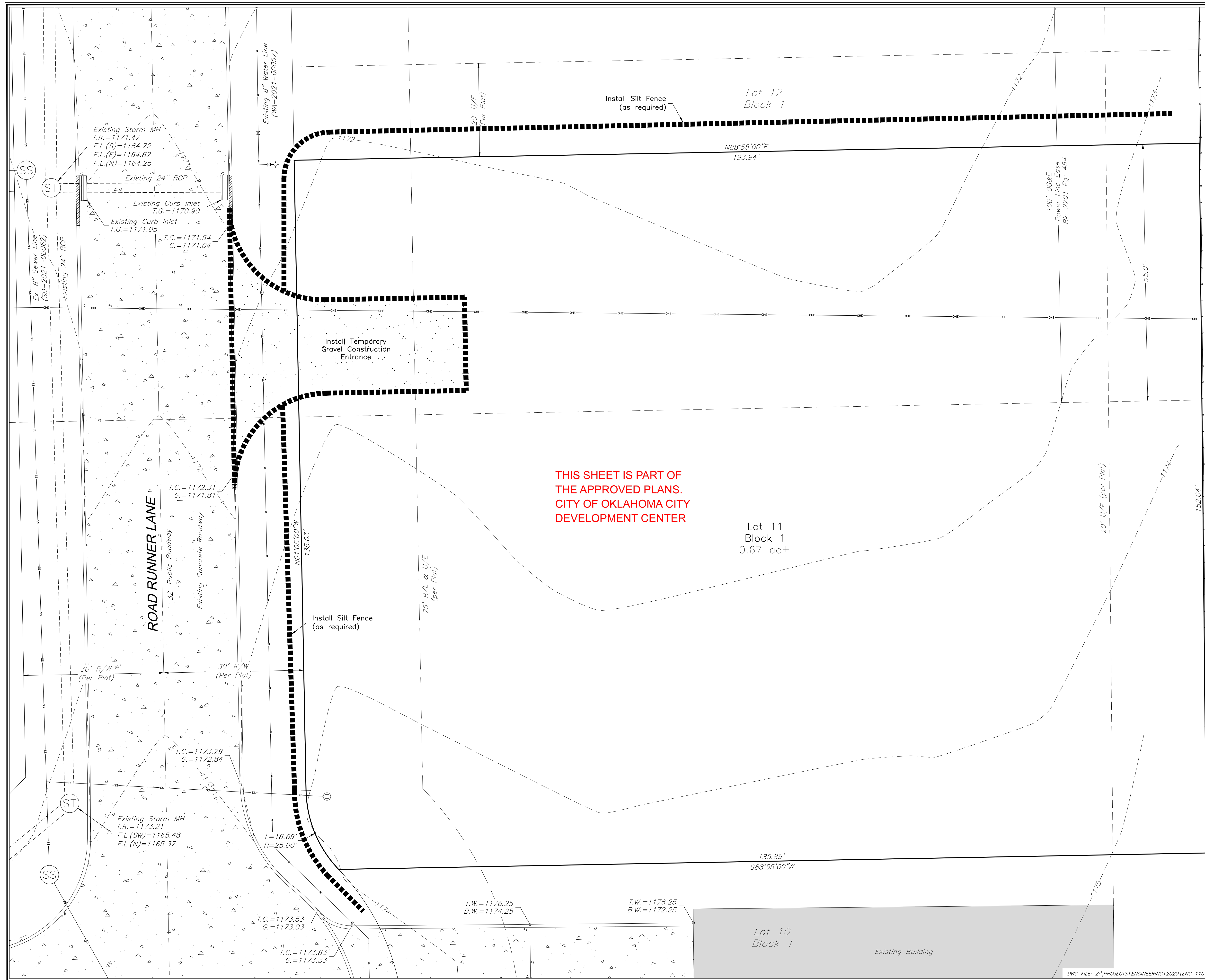
Client: Legends Business Park, LLC  
 Project: 12416 Road Runner Lane - Site Plan  
 Title Sheet  
 Date: 05/08/2023  
 Sheet: C-1

LANDES ENGINEERING L.L.C.  
 www.landesengineering.net  
 903 E. 35th Street \* P.O. BOX 1032  
 Shawnee, OK 74802-1032  
 (405) 275-5388 \* Fax (405) 275-9047  
 CA # 2260 EXP. 6-30-23

Date: 05/22/2023  
 Stephen T. Landes, Professional Engineer  
 No. 19539

Revisions	Date	Description

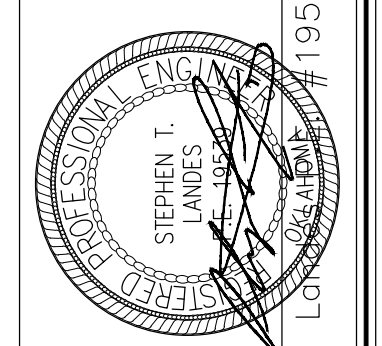




**BASIS OF BEARING:**  
Final Plat of  
Legends Industrial Park

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**UNDERGROUND UTILITIES NOTE**  
Source information from plans and markings have been combined with observed evidence of utilities to develop a view of those underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely and reliably depicted. Where additional or more detailed information is required, the client is advised that excavation or pot-holing may be necessary.

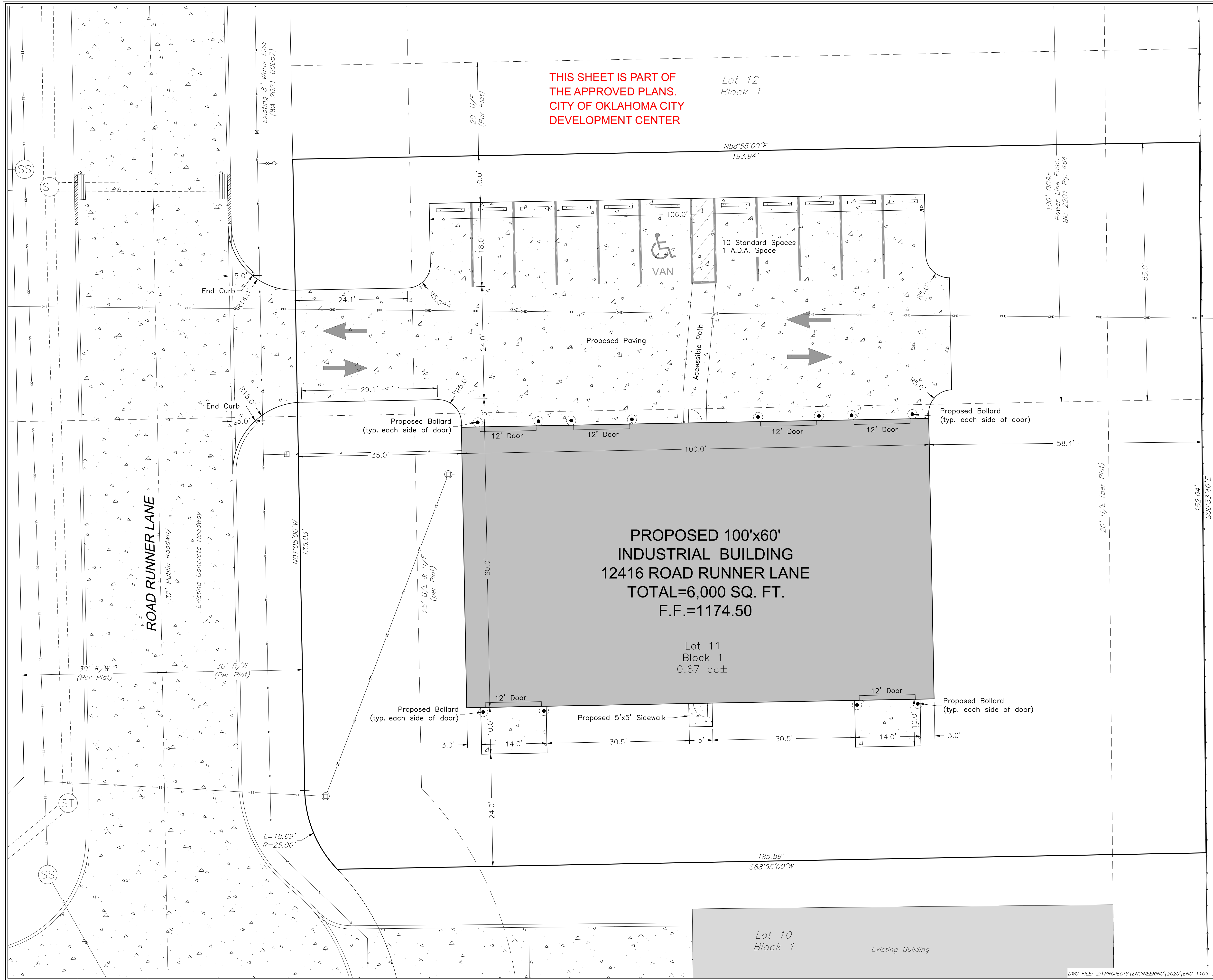


**Client:** Legends Business Park, LLC  
**Project:** 12416 Road Runner Lane - Site Plan  
**Drawn By:** Stephen T. Landes  
**Checked By:** [Blank]  
**Date:** 05/08/2023  
**Sheet No.:** C-2  
**Project No.:** Existing Topography and Erosion Control Plan  
**CA #:** 2260 EXP. 6-30-23

**DATE:** 05/22/2023  
**DATE:** 05/22/2023  
**DATE:** 05/22/2023  
**DATE:** 05/22/2023

Rev.	Date	Description





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DEVELOPMENT CENTER

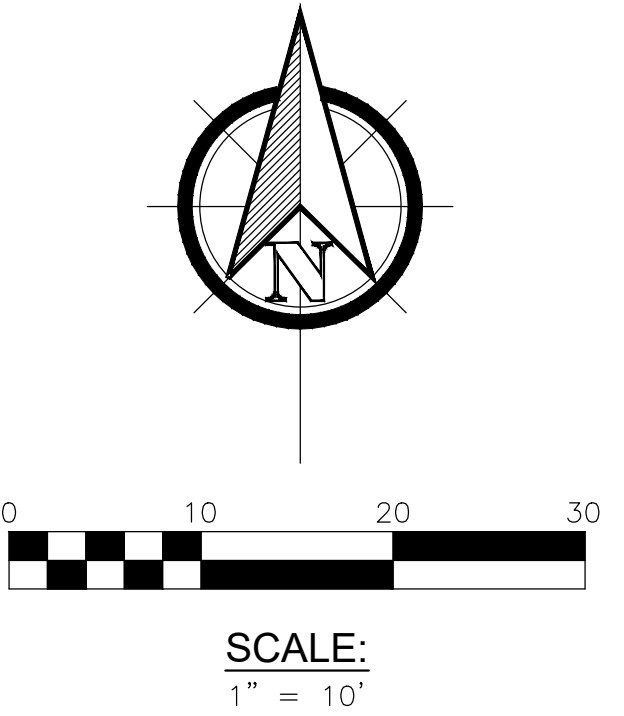
Lot 12  
Block 1

**PROPOSED 100'x60'  
INDUSTRIAL BUILDING**  
12416 ROAD RUNNER LANE  
TOTAL=6,000 SQ. FT.  
F.F.=1174.50

Lot 11  
Block 1  
0.67 ac±

Lot 10  
Block 1

Existing Building



**BASIS OF BEARING:**  
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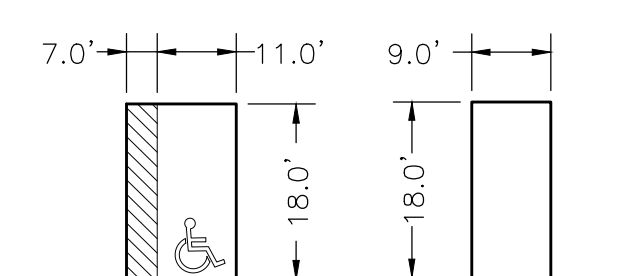
**PARKING CALCULATIONS**

**REQUIREMENTS:**  
OFFICE: 1 SPACE PER 200 SQ. FT.  
WAREHOUSE: 1 SPACE PER 1,000 SQ. FT.

**BUILDING AREAS:**  
OFFICE = 1,000 SQ. FT.  
WAREHOUSE = 5,000 SQ. FT.  
TOTAL BUILDING = 6,000 SQ. FT.

**PARKING SPACE COUNTS:**  
REQUIRED = 11 SPACES  
PROVIDED = 11 SPACES

**PARKING SPACE DIMENSIONS**  
(UNLESS OTHERWISE NOTED)



**ACCESSIBLE PARKING SPACE**      **STANDARD SPACE**

**NOTE:**  
Fire and garbage access may govern some lane sizes and placement.

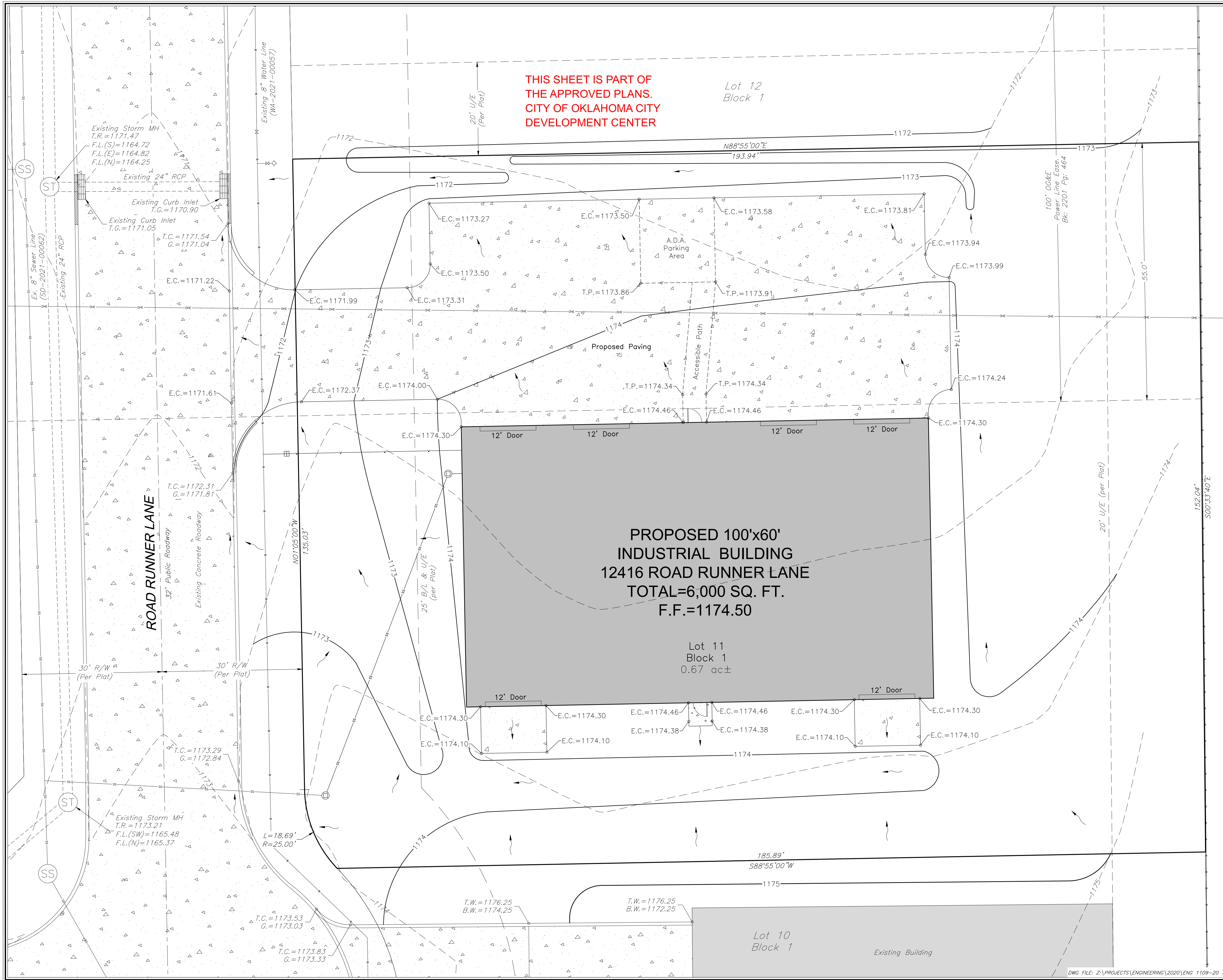
Client: Legends Business Park, LLC  
Project: 12416 Road Runner Lane - Site Plan  
Sheet Title: Site Plan  
Design: STL  
Check: STL  
Date: 05/08/2023  
Drawn: PL  
Sheet: C-3

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903 E. 35th Street \* P.O. BOX 1032  
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CA # 2260 EXP. 6-30-23

05/22/2023 Date  
Stephen T. Landes #19539

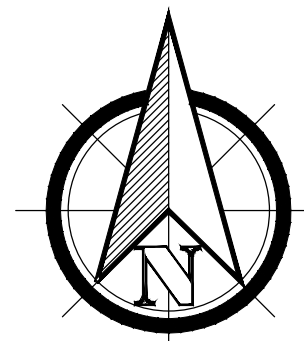
Revisions  
No. Date Description





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CITY OF OKLAHOMA CITY  
DEVELOPMENT CENTER

Lot 12  
Block 1



SCALE:  
1" = 10'

BASIS OF BEARING:  
Final Plat of  
Legends Industrial Park

NOT PLATTED

PROPOSED 100'x60'  
INDUSTRIAL BUILDING  
12416 ROAD RUNNER LANE  
TOTAL=6,000 SQ. FT.  
F.F.=1174.50

Lot 11  
Block 1  
0.67 ac±

Client: Legends Business Park, LLC  
Project: 12416 Road Runner Lane - Site Plan  
Sheet No: Grading Plan  
Design: STL  
Check: STL  
Date: 05/08/2023  
Drawn: PL  
Sheet: C-4

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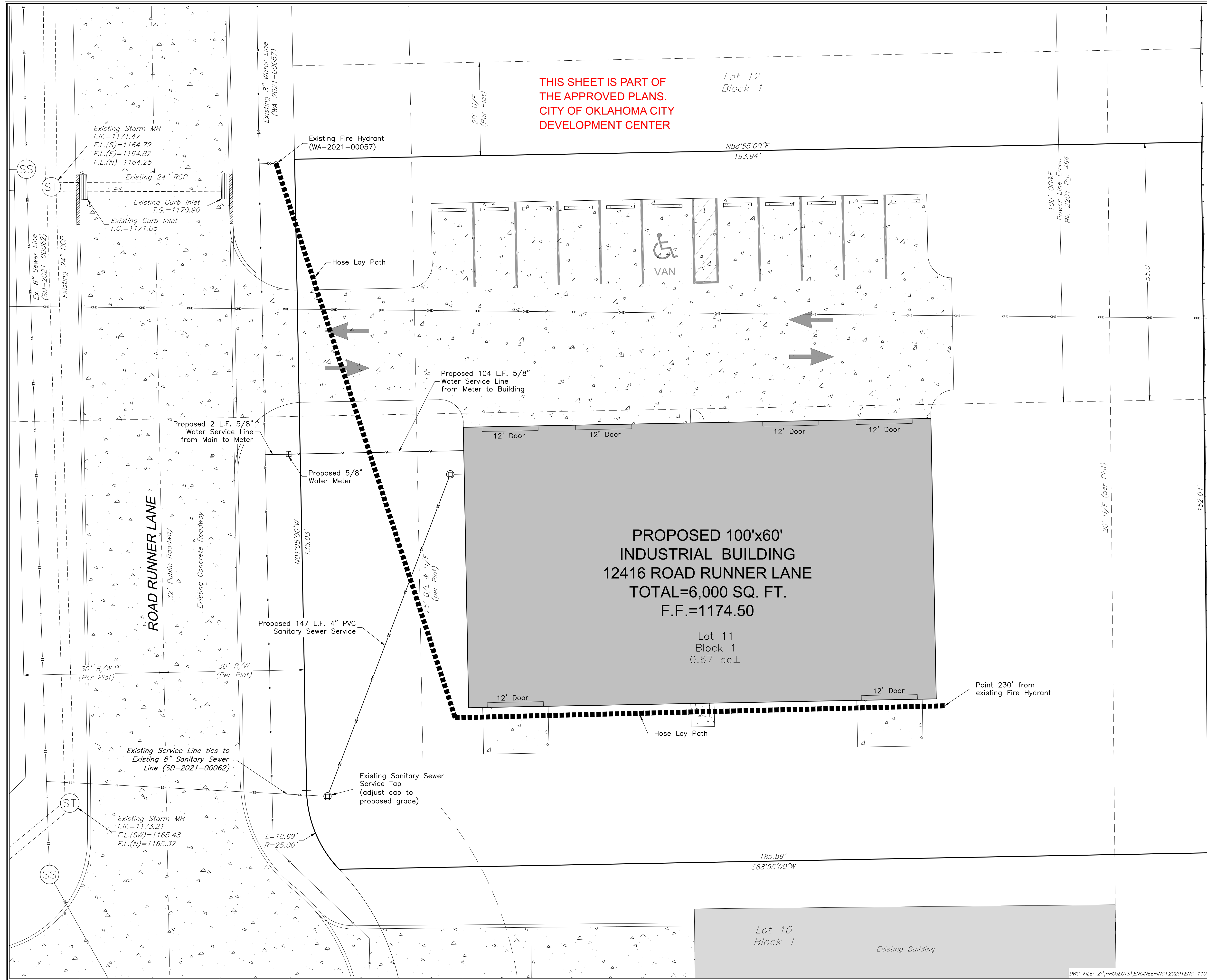
Revisions  
No. Date Description  
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2 05/17/2023  
3 05/17/2023  
4 05/17/2023  
5 05/17/2023

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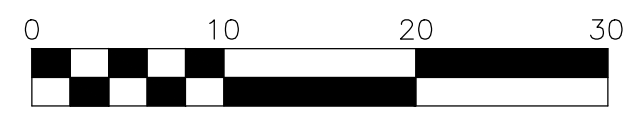
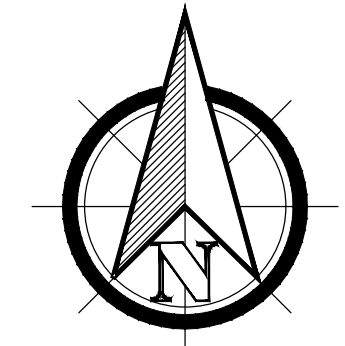
Professional Engineer  
STEPHEN T. LEGG  
Professional Engineer  
No. 19539  
Date 05/17/2023

DWS FILE: Z:\PROJECTS\ENGINEERING\2020\ENG 1109-20 TODD MARTIN LEGENDS\2023 SITE PLANS\12416 ROAD RUNNER LANE\SITE PLAN.DWG





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SCALE: 1" = 10'

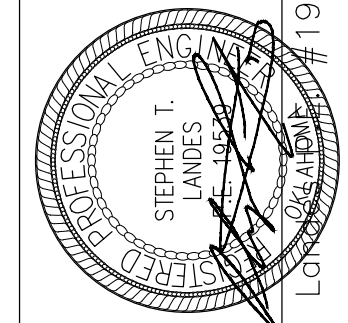
BASIS OF BEARING: Final Plat of Legends Industrial Park

**UTILITY NOTES**

1. Installation of proposed water and/or wastewater utilities shall be constructed in accordance with the approved plans WA-2021-00057/SD-2021-0062.
2. In accordance with ODEQ Regulations, the City provides water at a minimum pressure of 25 psi.
3. The Developer is responsible for design and construction of all fixtures to provide adequate domestic and fire protection under minimum pressure conditions.
4. The Developer will be responsible for any failure of domestic and/or fire protection systems which require water pressure in excess of 25 psi.
5. No trees and/or private improvements shall be within the utility easement or right-of-way, unless an approved Revocable Permit is on file.
6. It is required that any existing water meter service or connections and/or sanitary sewer service or connections not being used must be removed and abandoned at the main, at the Owners expense. This requirements must be completed prior to the release of the final Certification of Occupancy.
7. Any public water and/or sewer utilities fittings/structures needing to be adjusted to grade, contact Line Maintenance at 405-297-3990 prior to any adjustments being made.
8. Contact Wastewater Quality at 405-297-3810 regarding requirements for wastewater discharge and possible permit requirements.

**TRASH STORAGE**  
Polycart

NOT PLATTED



Client	Legends Business Park, LLC
Project	12416 Road Runner Lane - Site Plan
Sheet Title	Utility Plan
Design	STL
Check	STL
Date	05/08/2023
Drawn	PL
Sheet	C-5

Company	LANDES ENGINEERING L.L.C.
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CA #	2260 EXP. 6-30-23

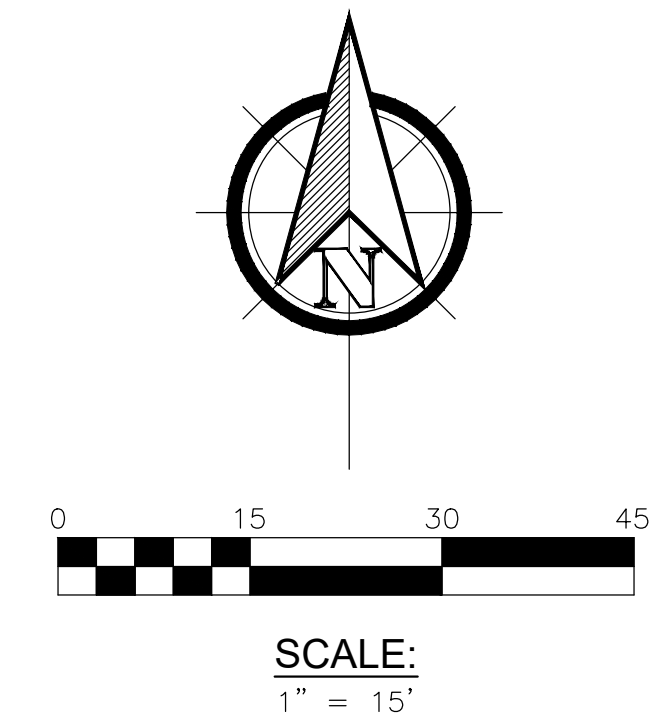
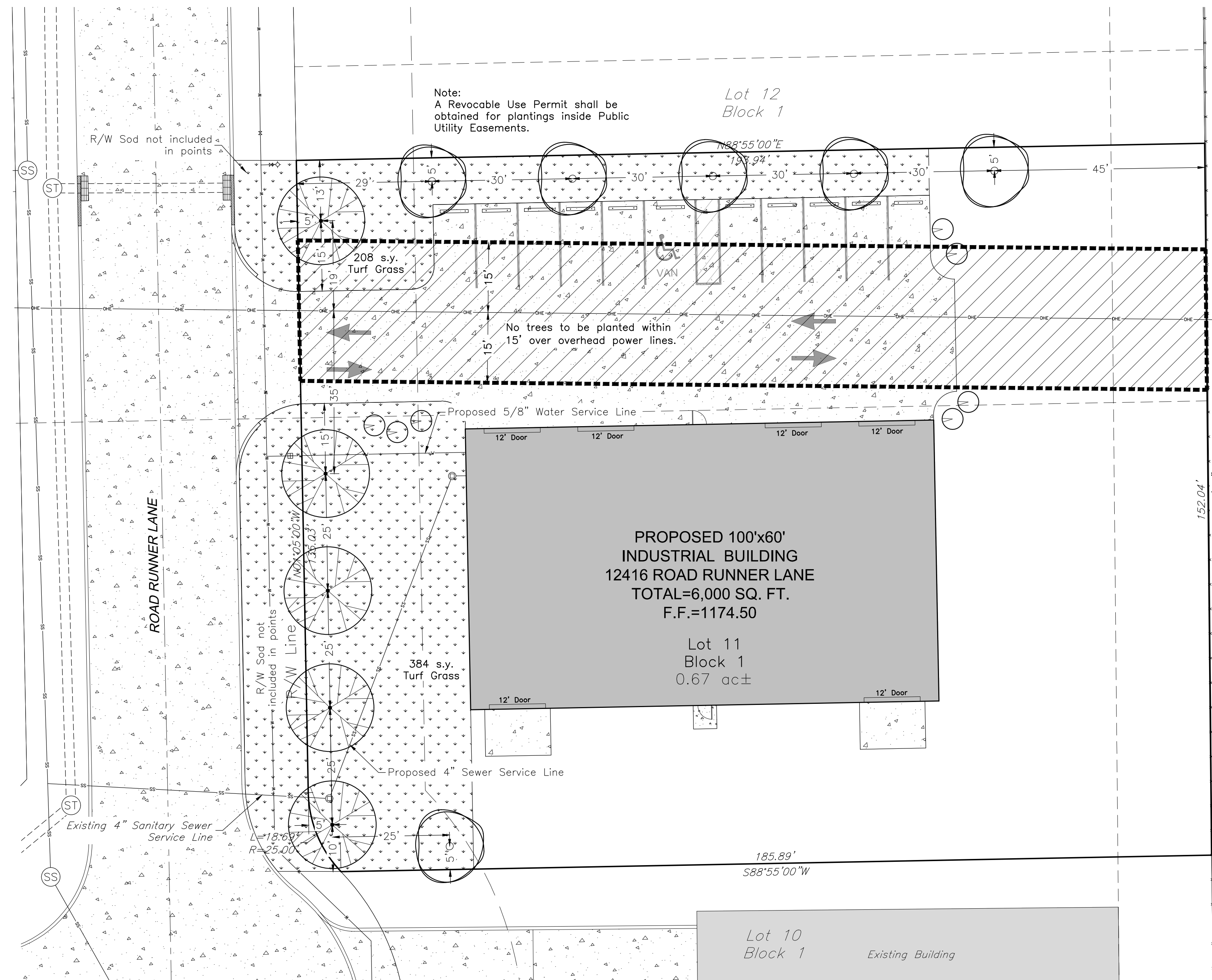
Revisions	
No.	Date



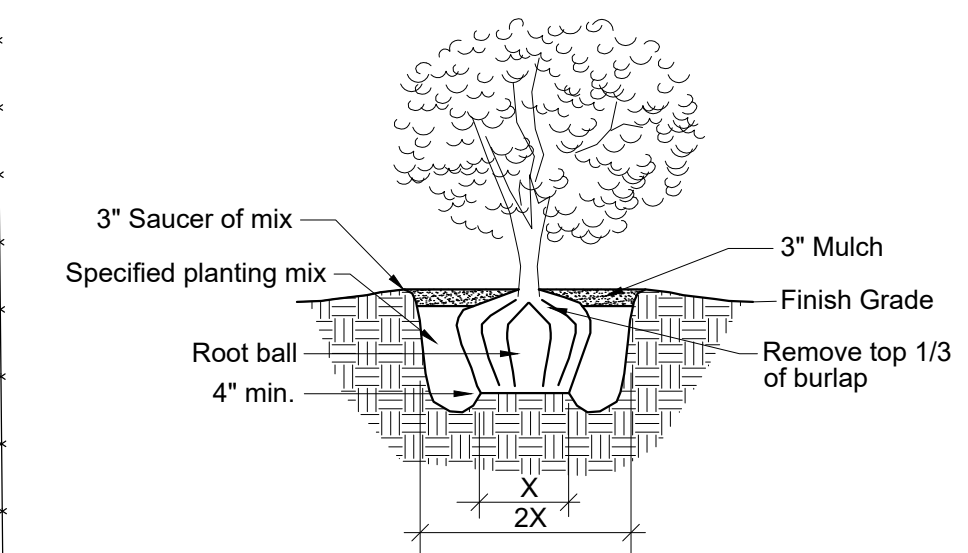
**LANDSCAPE & IRRIGATION NOTES**

- GENERAL**
- Contractor shall obtain all permits and pay all required fees to any agency having jurisdiction over the work.
  - Contractor is responsible for locating and avoiding all site utilities.
  - Adhere to American Standard for Nursery Stock.
  - Remove from site all debris resulting from work. Job site shall be kept in an orderly manner on a daily basis.
- LANDSCAPE**
- Fine grading will be provided by landscape contractor.
  - Remove any stones and concrete over 1 1/2" size, plants, and rubbish from beds, and roots and materials found during any tilling and planting. Prepare beds with compost tilled to 8" minimum depth. Quantity of compost shall meet manufacturer's recommendations. Compost shall be Back to Earth, name brand of some quality, or owner-approved alternative.
  - Recess soil levels of planting beds 3" where adjacent to paved areas (to allow for mulch.)
  - All beds shall be bordered by 14-GA, 5.5" height minimum, black anodized aluminum edging, (or owner-approved alternative edging) except where bordered by paving.
  - All plant materials shall be full, healthy specimens with appearance typical to their listed cultivars (or variety or species if no cultivars listed.) Trees and shrubs shall be matched in size and form.
  - Tops of root balls shall be at grade after settling. Set potted plants at same grade as grown in nursery.
  - Trees shall be staked according to current, local practices, so that they are allowed growing room and some movement without topping. Refer to O.S.U. Extension recommendations if there is any question.
  - Place trees in straight rows where shown as such on plan, with trunks in a straight vertical position.
  - Before working beds, all beds shall be amended with topsoil, tilled to a depth of 8" prior to installations.
  - Fertilize based upon soil test results.
  - Shrub and groundcover beds shall be mulched with a minimum of 3" deep shredded cypress at completion of installation (or owner-approved alternative mulch type.)
  - Prune any dead or damaged wood and branches from all plants.
  - Sod all areas shown with U-3 Bermuda. Any weedy, damaged, or dying sod shall be rejected. All edges shall be neatly trimmed, and rows shall meet evenly. Refer also to Sediment/Erosion Control Notes for sod requirements.
  - Contractor shall water all plant materials as needed during project installation.
  - Individual trees shall be planted with a 3-foot diameter, mulched tree ring. Tree ring shall be bordered by edging (see note 8 above.)
- IRRIGATION**
- All landscaping to be maintained by an underground automatic irrigation system. Contractor shall provide irrigation system plans for City approval.
- PROJECT NOTES:**
- Plantings that exceed 15' tall at maturity shall not be located beneath overhead utility lines.

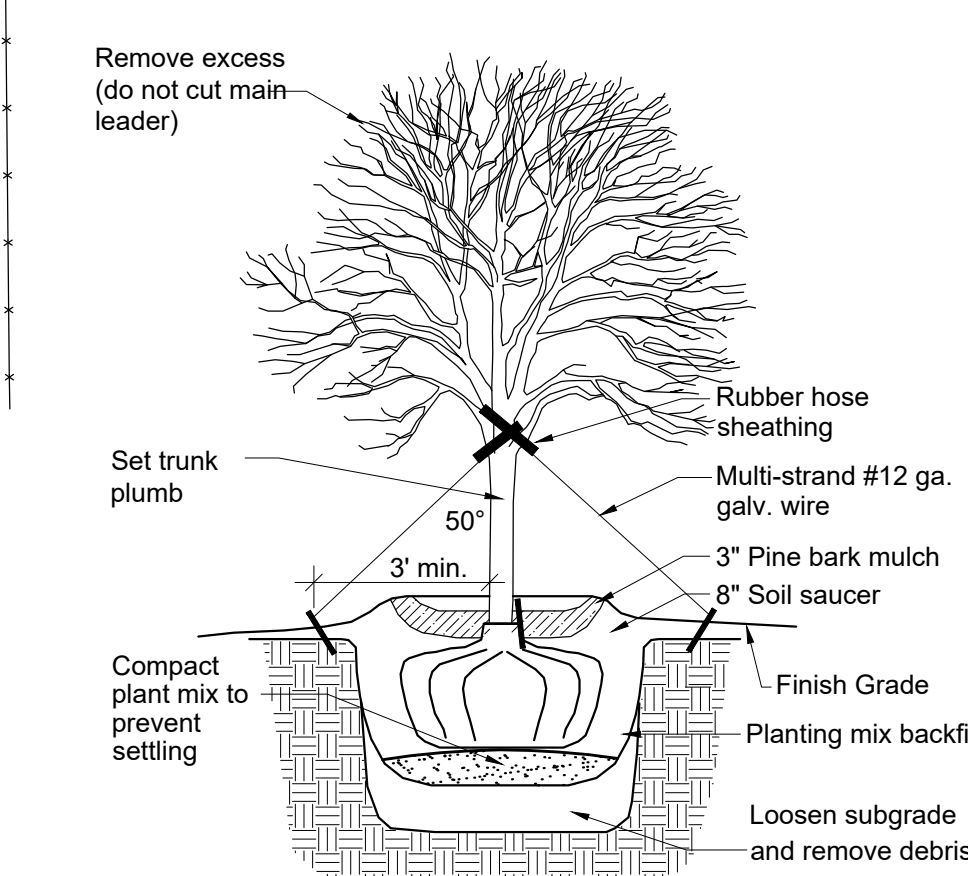
**THIS SHEET IS PART OF THE APPROVED PLANS. CITY OF OKLAHOMA CITY DEVELOPMENT CENTER**



**BASIS OF BEARING:**  
Final Plot of Legends Industrial Park



**PLANTING DETAIL-SHRUBS**



**PLANTING DETAIL-TREES**

**LANDSCAPE REQUIREMENTS**

**ZONING = I-2 MODERATE INDUSTRIAL DISTRICT**  
**USE = INDUSTRIAL WAREHOUSE**  
City of Oklahoma City Landscape and Screening Regulations  
Zoning and Planning Code—Chapter 59, Article XI, & "Trees and Plants for Oklahoma City"

**DEVELOPMENT POINTS:**  
1 point/200 sq. ft. developed area = 29,344 sq. ft./200 = **147 Points**

**PARKING LOT POINTS:**  
Required (11 x 3 points) = **33 Points**

**TOTAL REQUIRED POINTS:**  
147 + 33 = **180 points**

**ADDITIONAL REQUIREMENTS:**  
1 medium tree per 40 L.F. (or fraction thereof) of street frontage other than highway or expressway. (Locate these trees within 20 feet of the right-of-way)  
154 L.F. Frontage = **4 Trees** (5 Provided)  
25% min. evergreen points = 180 x 0.25 = **45 Points**

**SCREENING EXEMPTIONS:**  
(Zoning Code, Article XI, 59-11150 E. (2) Exemptions)  
Screening not required where segments of streets exist "entirely within an industrial zoned area, and that do not connect with other segments of the same street or other streets that traverse through non-industrial zoned areas."

TYPE	COUNT	SYMBOL	"Common Name" Scientific Name	Size, Minimum	Minimum Spacing	Point Value
Evergreen Tree	5		"Bald Cypress" Taxodium Distichum	2" Caliper 7'-8' Height	See Plan	60 (12 EA.)
Small Decid. Tree	6		"Smoketree", Common (Green, Tree Farm) Cotinus Coggyria	1" Caliper(s) 5'-6' Height	15' O.C.	54 (9 EA.)
Evergreen Shrub	7		Nellie R. Stevens Holly Ilex x 'Nellie R. Stevens'	5 gallon	18" O.C.	21 (3 EA.)
Turf Grass	592 s.y.		Sod: U-3 bermudagrass, or Owner-approved alt.	Total sod points:148 (1/4 per s.y.)	Allowable sod points:45 (25% of Req.)	
				Points provided		180
				Points required		180

Client: Legends Business Park, LLC  
Project: 12416 Road Runner Lane - Site Plan  
Sheet Title: Landscape Plan  
Design: STL  
Check: STL  
Date: 05/08/2023  
Drawn: PL  
Sheet: C-6

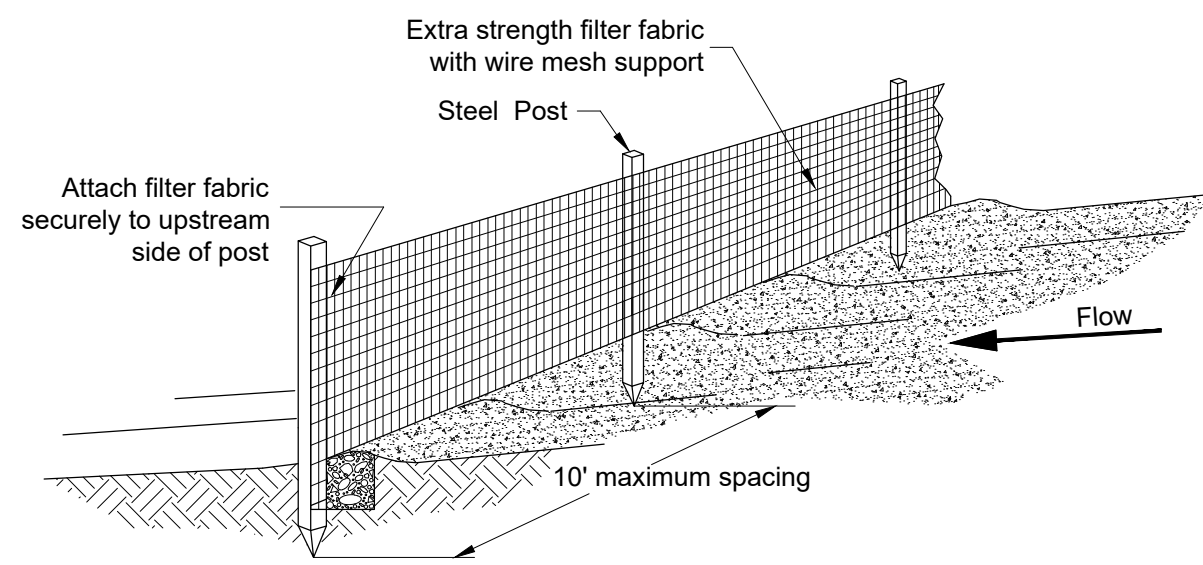
**LANDES ENGINEERING L.L.C.**  
www.landesengineering.net  
903 E. 35th Street \* P.O. BOX 1032  
Shawnee, OK 74802-1032  
(405) 275-5388 \* Fax (405) 275-9047  
CA # 2260 EXP. 6-30-23

Date: 05/22/2023  
Stepher T. Landes  
Professional Engineer  
No. 19539

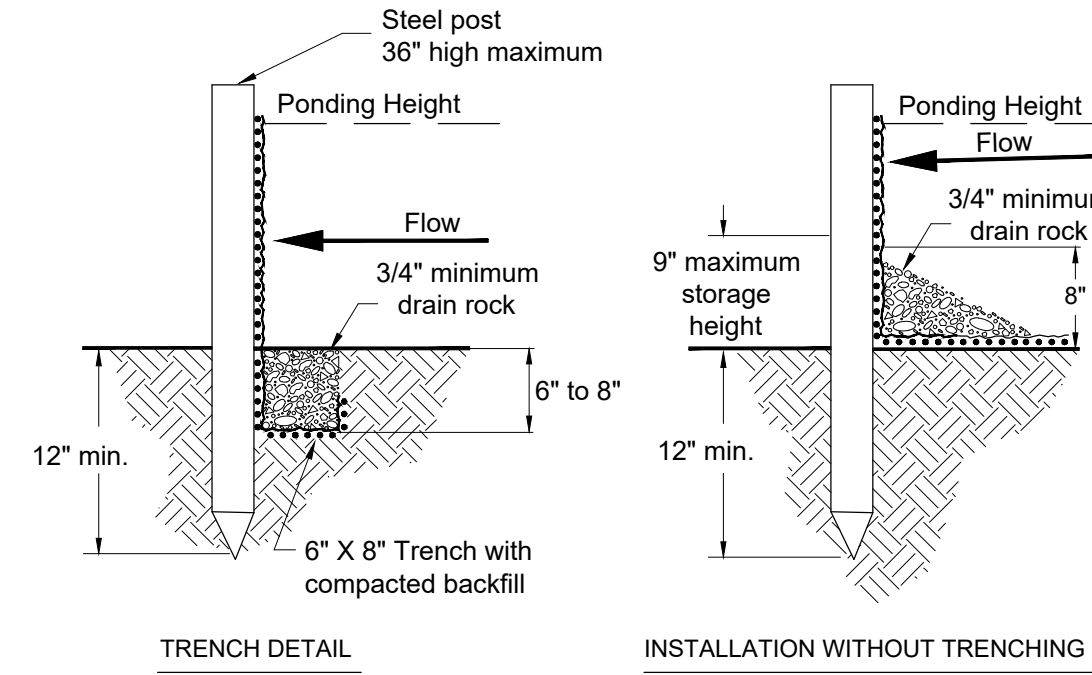
Revisions:

No.	Date	Description

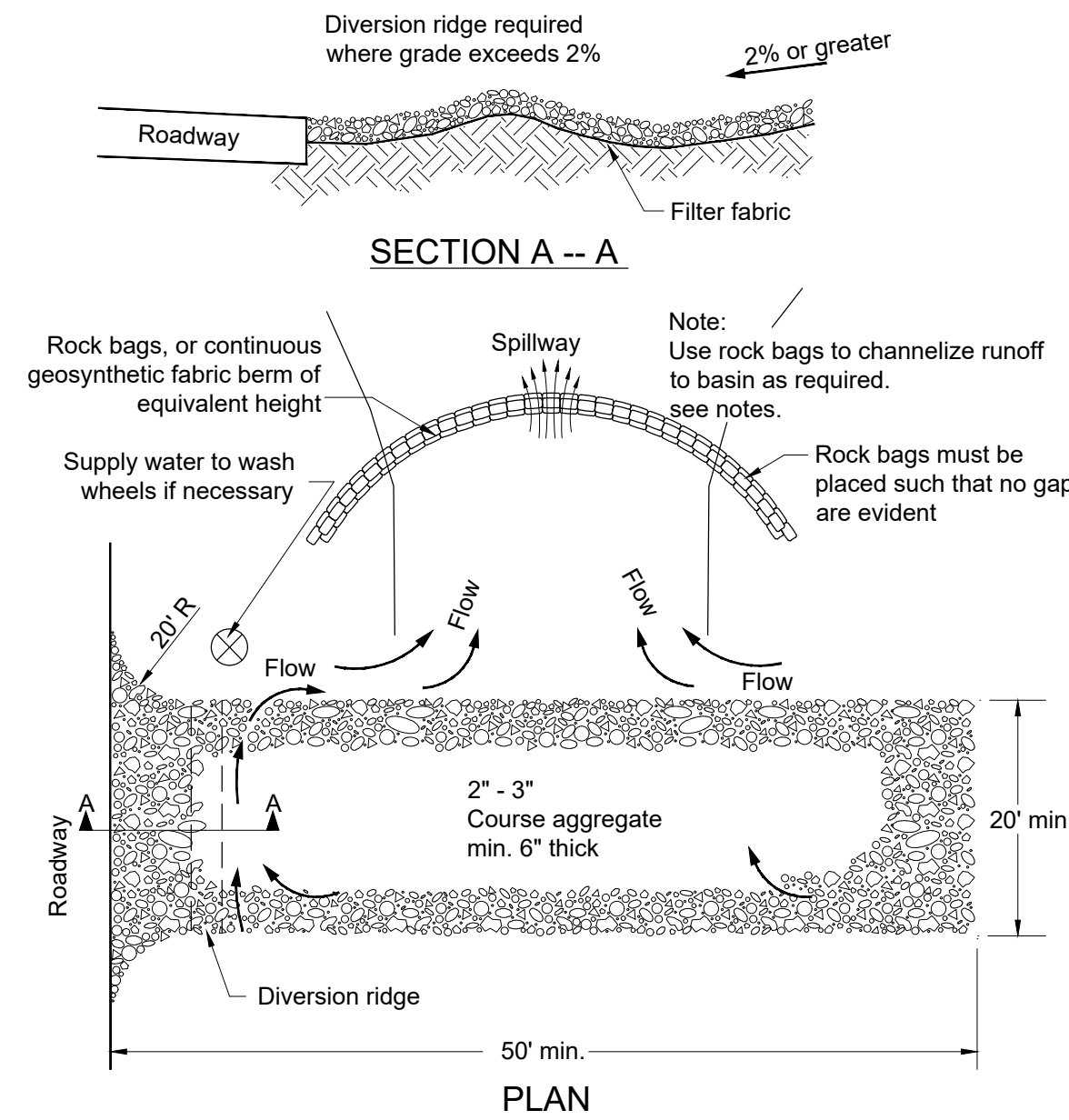




- NOTES:**
- Silt fencing is to be used around perimeter of property unless preliminary grading is completed to ensure controlled discharge off property.
  - Silt fence will be required in any area where runoff could adversely effect construction.
  - Must be installed properly to avoid notice of violation.
  - Silt fence shall be placed on slope contours to maximize ponding efficiency.
  - Inspect and repair fence after each storm event and remove sediment when necessary. 9" maximum recommended storage height.
  - Removed sediment shall be deposited to an area that will not contribute to sediment off-site and can be permanently stabilized.

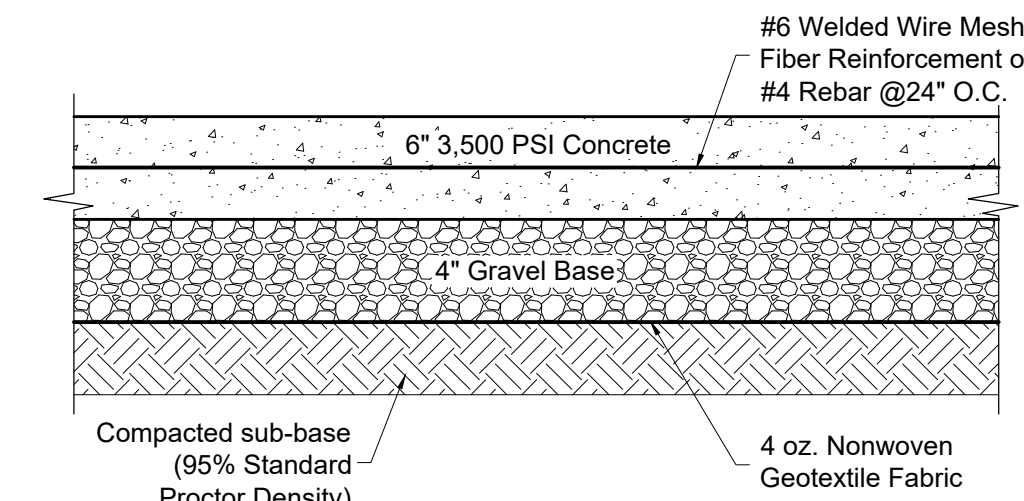


**FILTER FABRIC SILT FENCE DETAIL**



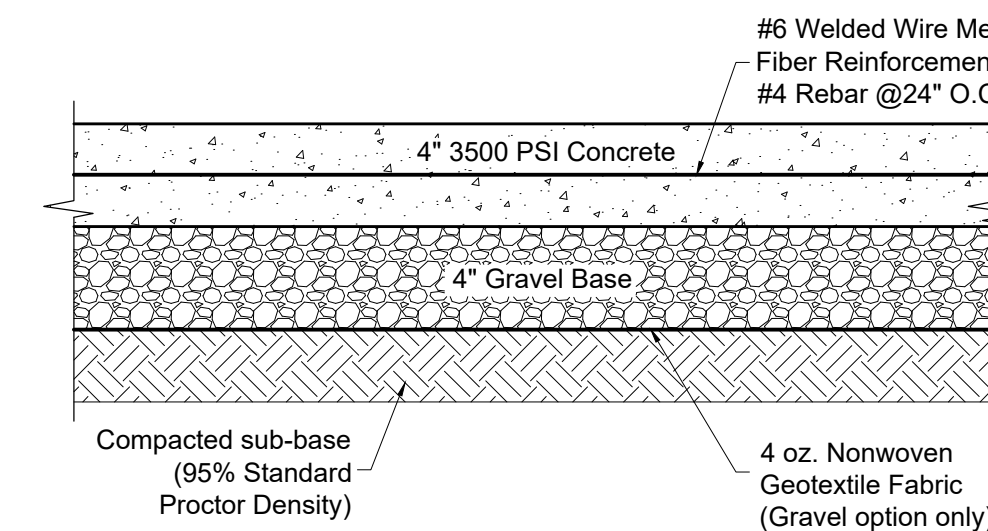
**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE / EXIT DETAILS**

- NOTES:**
- The entrance shall be maintained in a condition that will prevent tracking or flowing of sediment onto public right-of-ways. This may require top dressing, repair and/or cleanout of any measures used to trap sediment.
  - When necessary, wheels shall be cleaned prior to entrance onto public right-of-way.
  - When washing is required, it shall be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin.
  - Rock bags or sandbags shall be placed such that no gaps are evident.



**HEAVY-DUTY CONCRETE PAVING DETAIL**

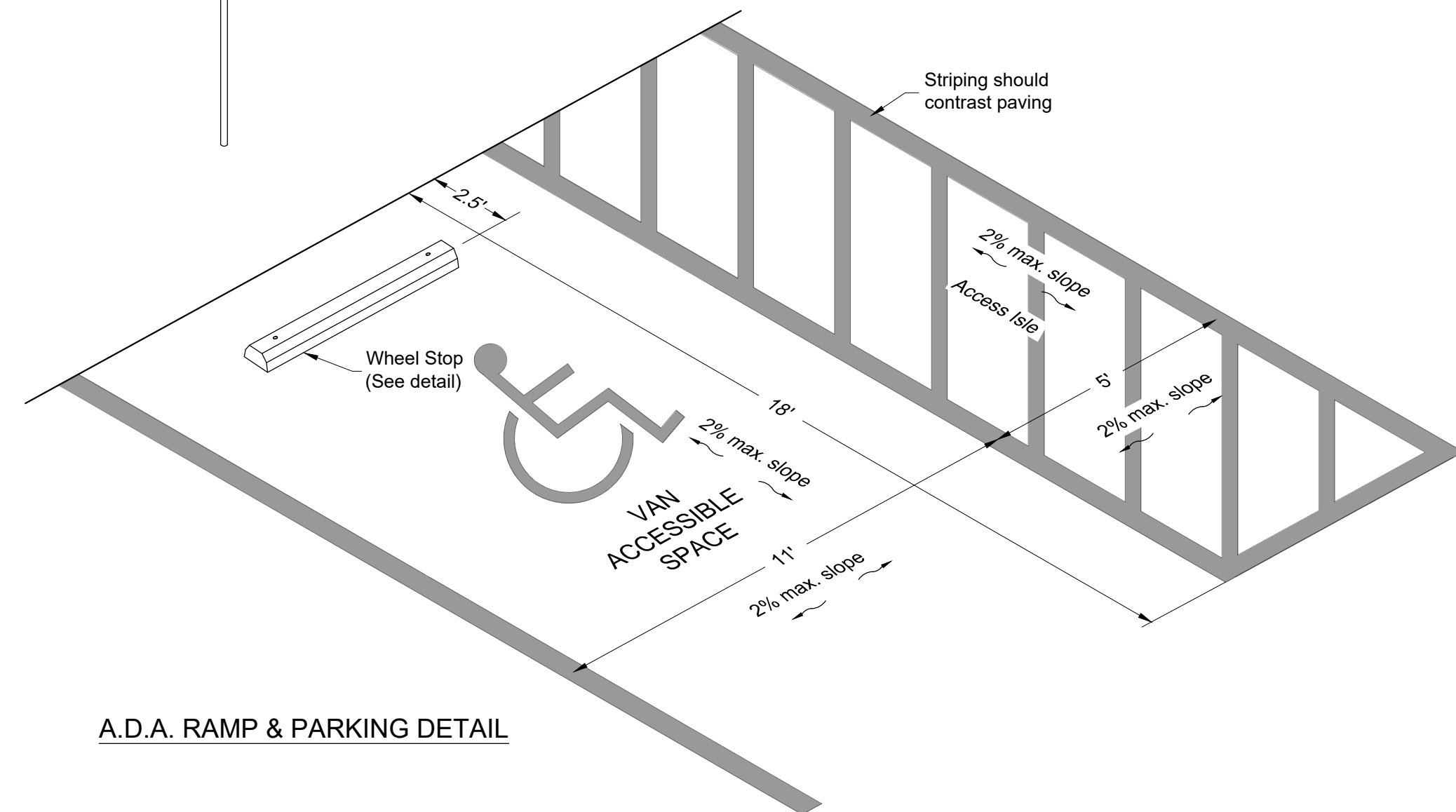
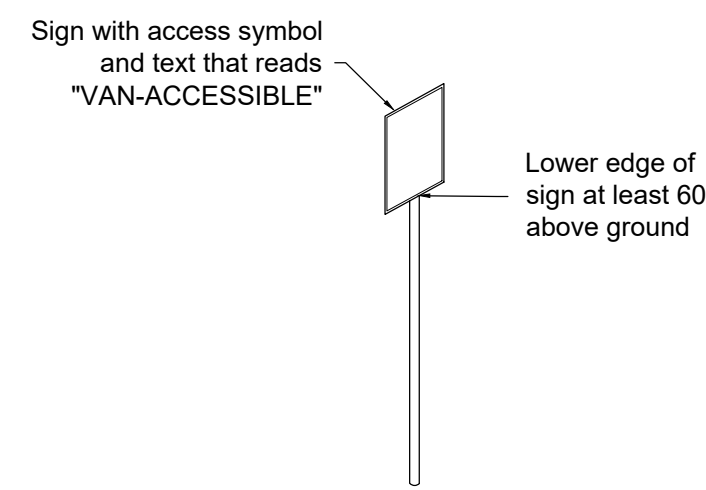
Note: Geotextile Fabric shall be non-woven, 6 oz. in roadway applications and 4 oz. in parking areas. Mirafi brand from Maxwell Supply (or equivalent).



**LIGHT-DUTY CONCRETE PAVING DETAIL**

Note: Geotextile Fabric shall be non-woven, 6 oz. in roadway applications and 4 oz. in parking areas. Mirafi brand from Maxwell Supply (or equivalent).

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**A.D.A. RAMP & PARKING DETAIL**

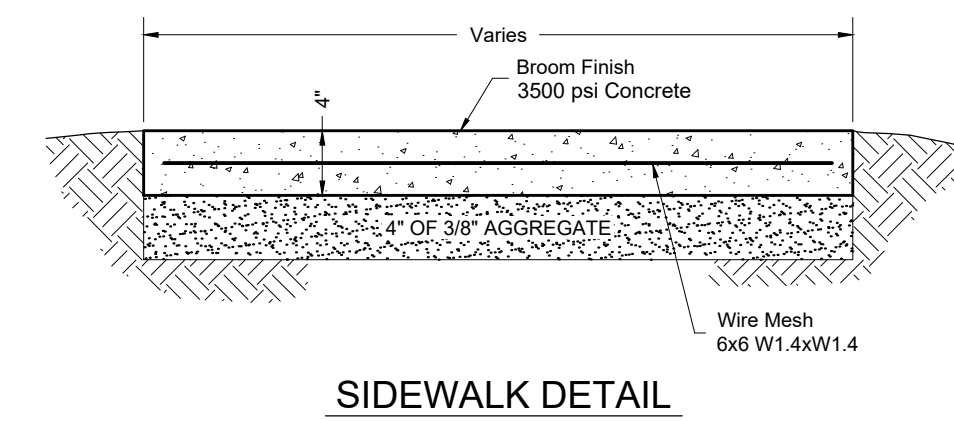
**A.D.A. RAMP NOTES**

**General Notes:**

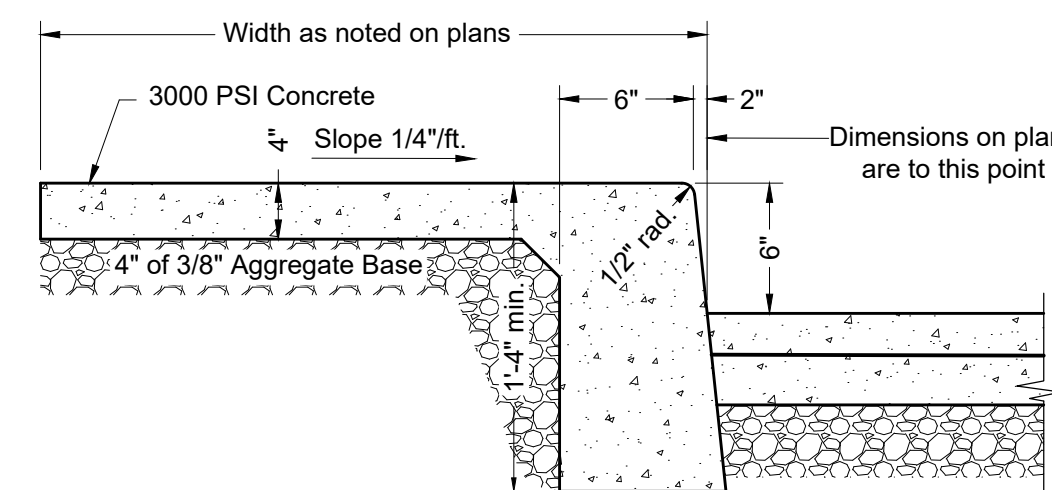
- While the maximum ramp slope is 8.33% Max. it is suggested that a slope of 7.10% be used leaving a 1.23% range of error.
- It is suggested that a digital level be used during construction.
- Sidewalk Slope shall be maximum of 2% cross slope.

**Curb Ramp Notes:**

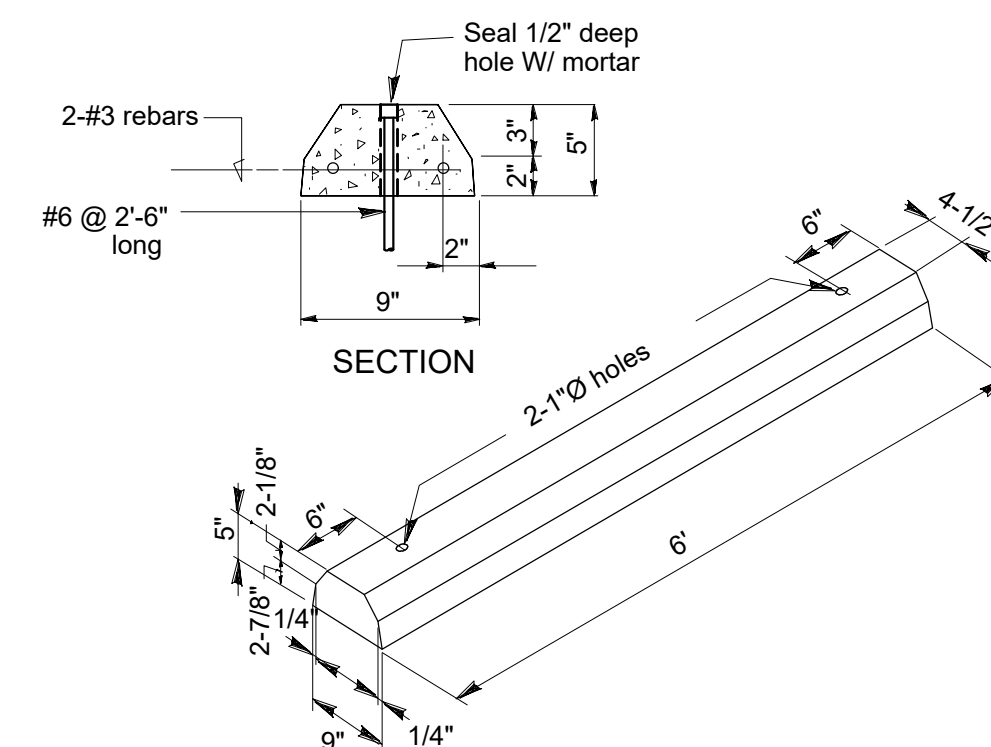
- A curb ramp is defined as the entire concrete surface which includes the ramp & flared sides. The 4' - 0" wide center portion, including the detectable surface, shall have the sloped plane of 8.33% (1:12) maximum, and cross slope, not to exceed 2%. The "flared side" of the ramp shall lie on a slope of 10% (1:10) maximum measured along the curb. The curb ramp shall have a surface tolerance of 1/4" per 10 foot straight edge maximum.
- The surface of the curb ramp and detectable surface material shall be stable, firm and slip resistant. The concrete curb ramp surface shall be broom finished transverse to the axis of the ramp and shall be slightly rougher than the finish of the adjacent sidewalk surface.
- A level landing 4'-0" deep, with a 2% maximum slope in each direction shall be provided at the upper end of each curb ramp to allow safe egress from the ramp surfaces. The width of the level landing shall be at least as wide as the width of the ramp.
- When vertical obstructions are present near the curb at the end of the flared side or when the curb-ramp is diagonal to the curb which will result in an extremely long flared side surface, the affected flared side may be cut and terminated perpendicular to the curb, provided that the maximum slope of 10% is achieved on each of the resulting planes.



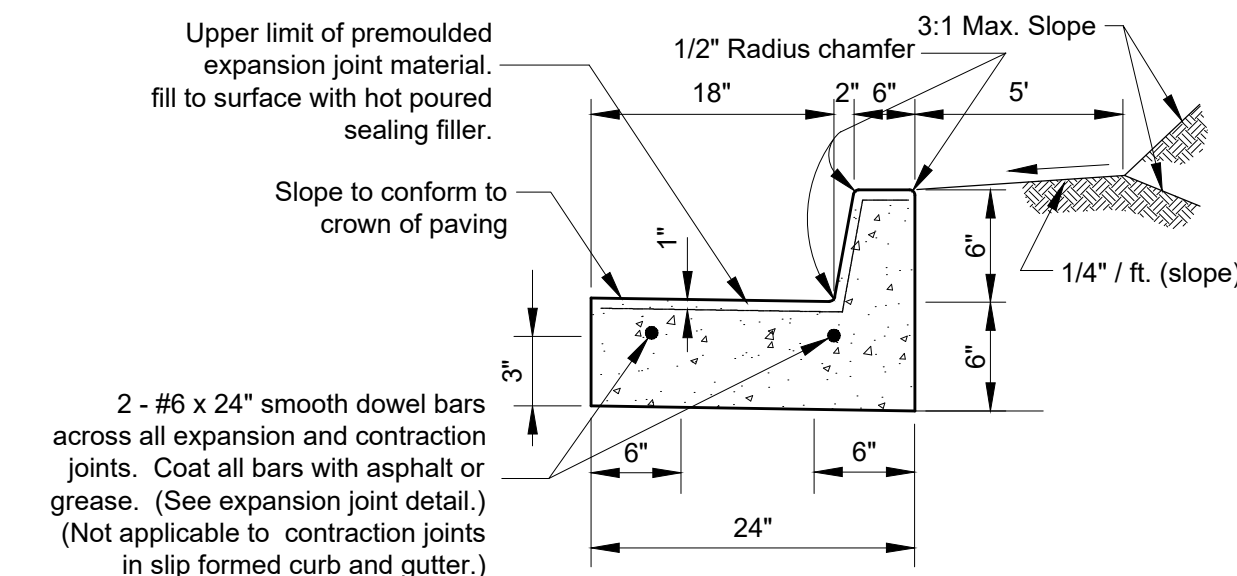
**SIDEWALK DETAIL**



**SIDEWALK TURNED DOWN EDGE DETAIL OPTIONAL**

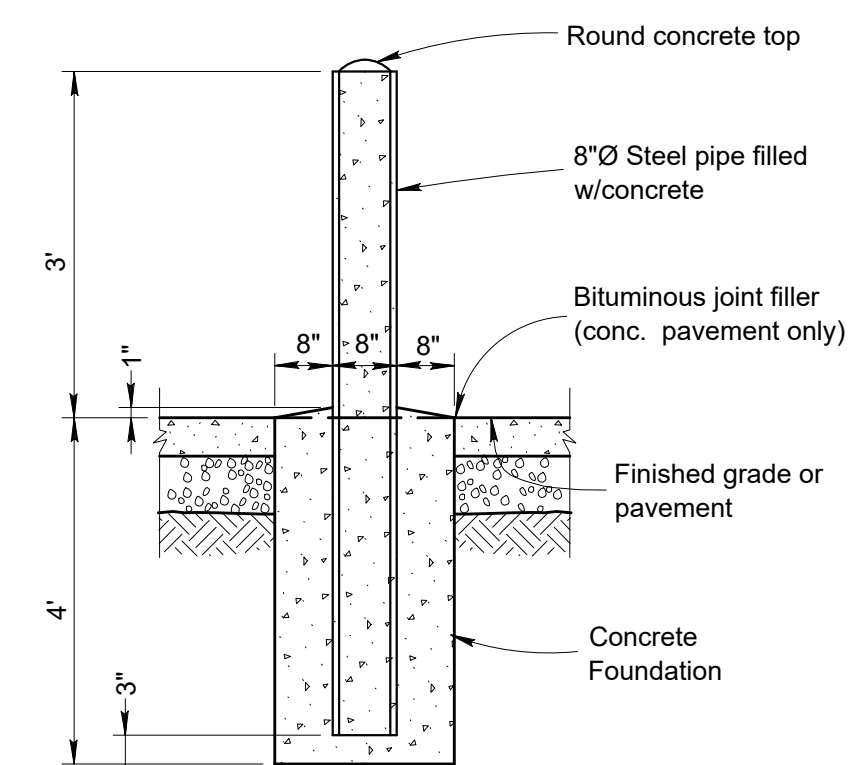


**PRECAST CONCRETE WHEEL STOP**



**CONCRETE CURB & GUTTER DETAIL**

Note: Maximum spacing of 3/4" expansion joints to be 100' c/c with contraction joints 15' - 20' apart to match driveway returns. (Expansion joint spacing, not applicable to slip formed curb and gutter.)



**PIPE BOLLARD DETAIL**

Note: Steel pipe shall be galvanized (2.0 oz. zinc/sq. ft.) & have a minimum wall thickness of 0.322 inches.

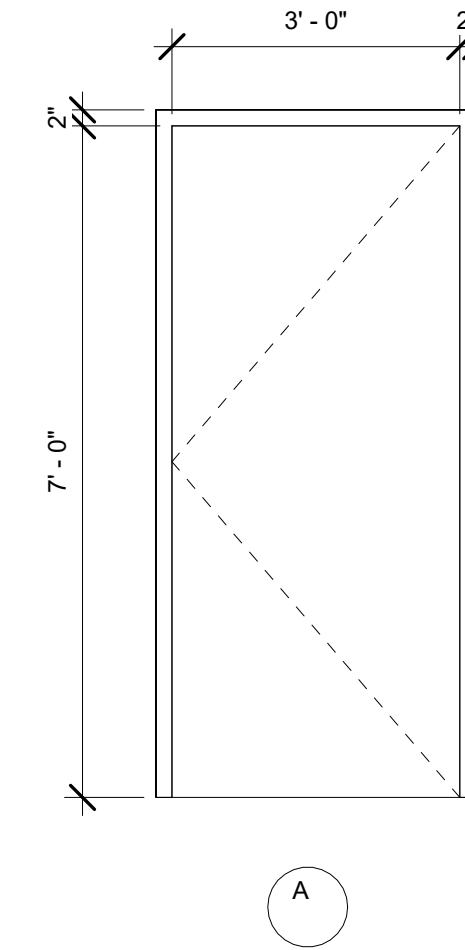
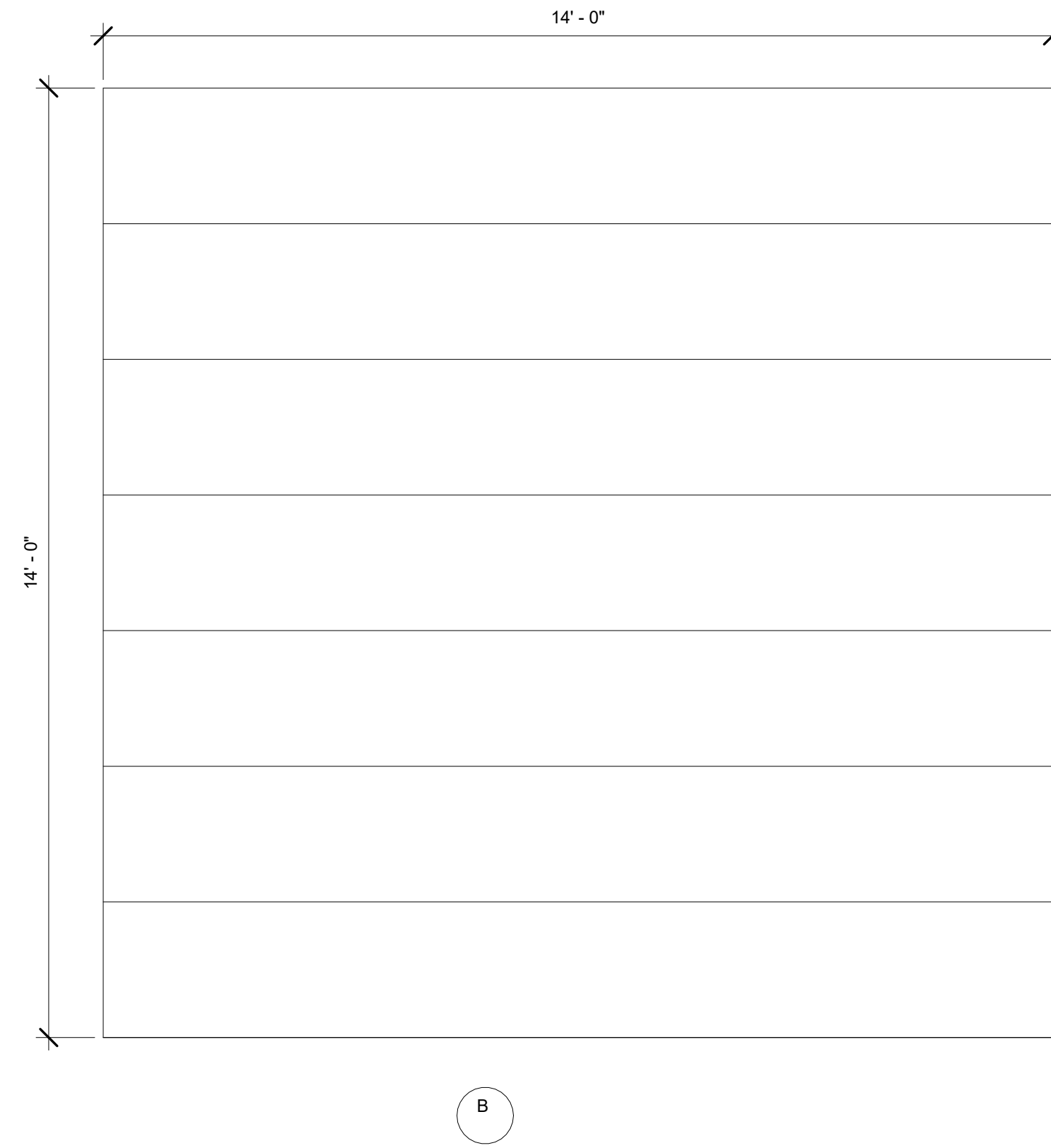
Client: Legends Business Park, LLC  
 Project: 733 N.W. 125th Street - Site Plan  
 Designer: SILL  
 Checker: SILL  
 Date: 04/19/2023  
 Sheet: C-7

LANDES ENGINEERING L.L.C.  
 www.landesengineering.net  
 903 E. 35th Street \* P.O. BOX 1032  
 Shawnee, OK 74802-1032  
 (405) 275-5388 \* Fax (405) 275-9047  
 CA # 2260 EXP. 6-30-23

05/22/2023 Date  
 Stephen T. Landes 19539



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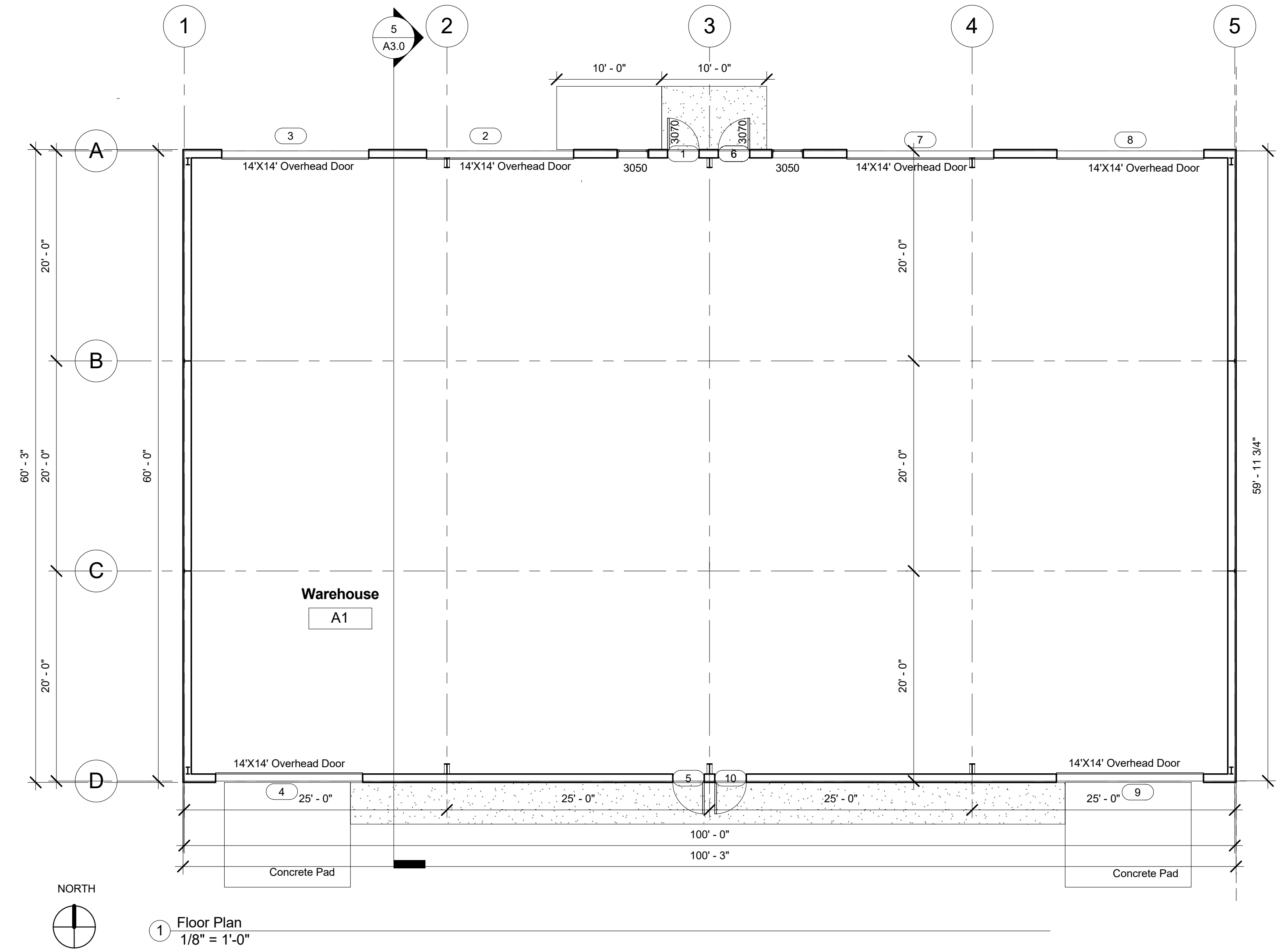


DOOR AND FRAME SCHEDULE (VERIFY ALL WITH OWNER)								
MARK	DOOR				FRAME	HARDWARE	SET #	REMARKS
	WIDTH	HEIGHT	THICKN.	TYPE				
01	3'-0"	7'-0"	1 3/4"	A	H.METAL	HMETAL	1	Exterior Entry Door (Insulated)
02	14'-0"	14'-0"	1 1/4"	B	H.METAL	HMETAL	4	Overhead Door (Insulated)
03	14'-0"	14'-0"	1 1/4"	B	H.METAL	HMETAL	4	Overhead Door (Insulated)
04	14'-0"	14'-0"	1 1/4"	B	H.METAL	HMETAL	4	Overhead Door (Insulated)
05	3'-0"	7'-0"	1 3/4"	A	H.METAL	HMETAL	1	Exterior Entry Door (Insulated)
01	3'-0"	7'-0"	1 3/4"	A	H.METAL	HMETAL	1	Exterior Entry Door (Insulated)
02	14'-0"	14'-0"	1 1/4"	B	H.METAL	HMETAL	4	Overhead Door (Insulated)
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04	14'-0"	14'-0"	1 1/4"	B	H.METAL	HMETAL	4	Overhead Door (Insulated)
05	3'-0"	7'-0"	1 3/4"	A	H.METAL	HMETAL	1	Exterior Entry Door (Insulated)

HARDWARE SET: #1: 3 HINGES, CLOSER, LEVER LOCKSET, THRESHOLD, WEATHERSTRIP  
HARDWARE SET: #2: 3 HINGES, OFFICE LOCKSET, CLOSER  
HARDWARE SET: #3: 3 HINGES, LEVER PRIVACY SET, CLOSER  
HARDWARE SET #4: ALL HARDWARE BY DOOR SUPPLIER

Finish Schedule	
Room	Finish
Warehouse Floor	Sealed Concrete
Base	Rubber
Walls	Liner Panels

3 VISUAL DOOR SCHEDULE  
1/4" = 1' - 0"



4/10/2023 -Revise layout for 2 suites  
-add 14'X14' Overhead door  
-add personal doors  
-add stoop and ramp

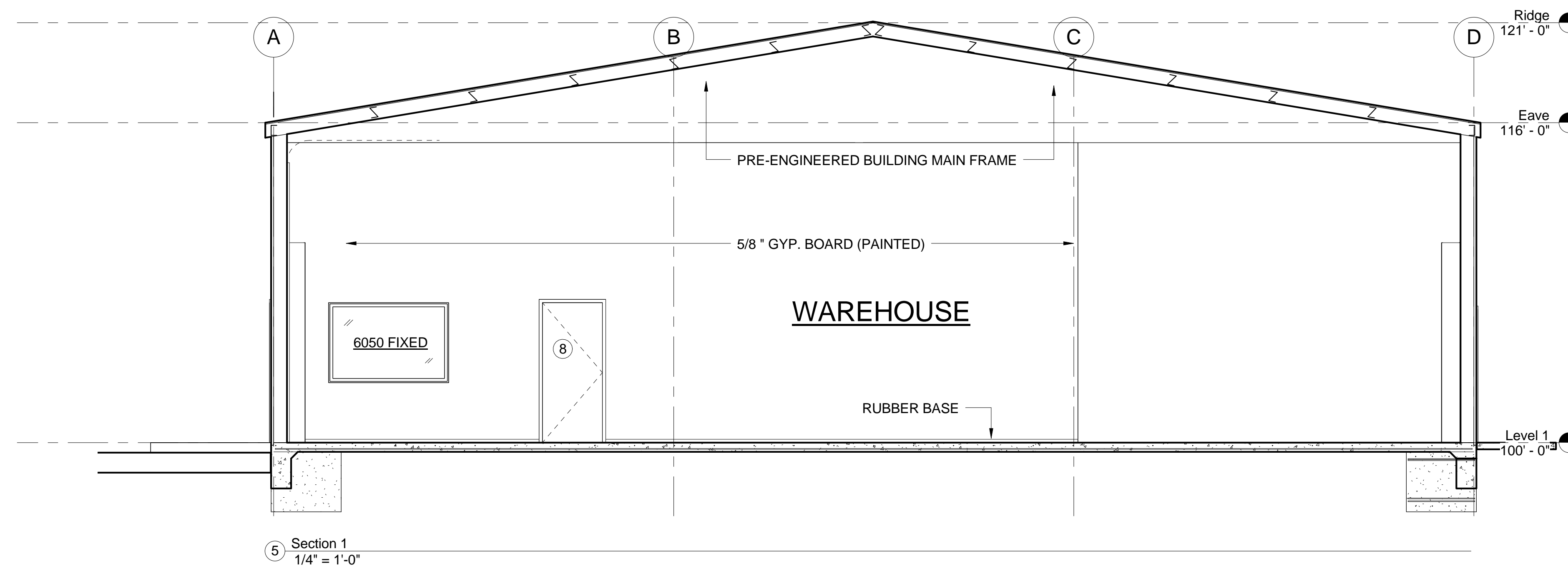
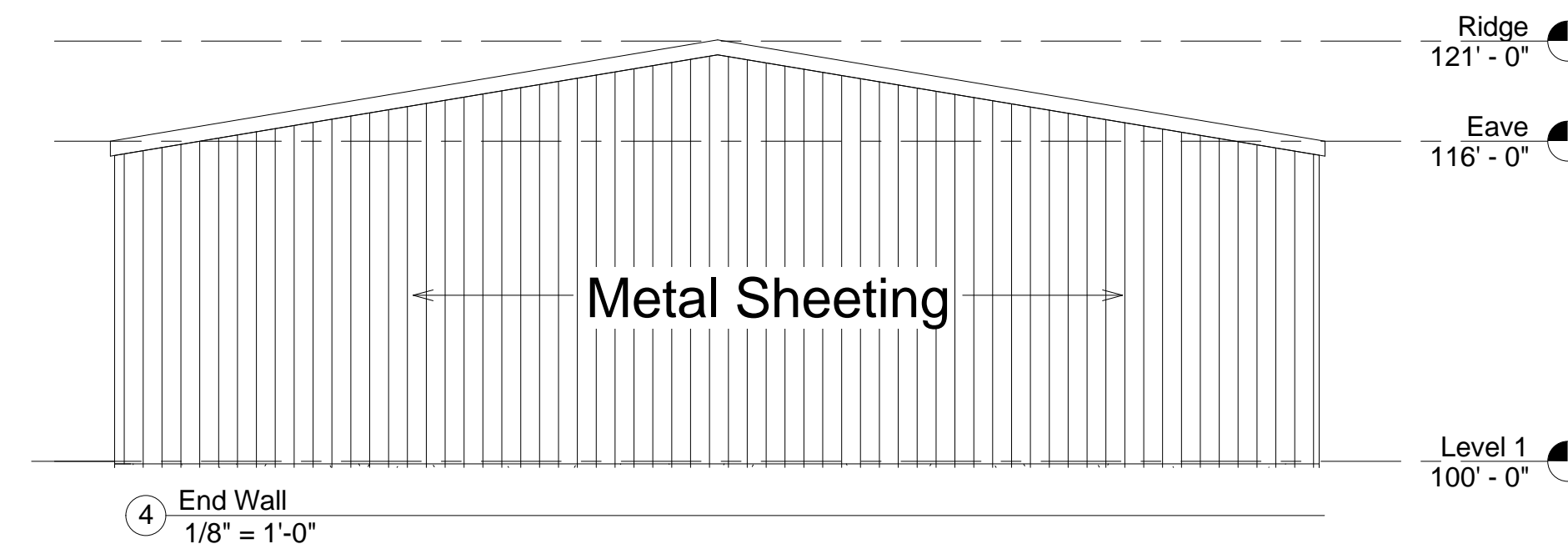
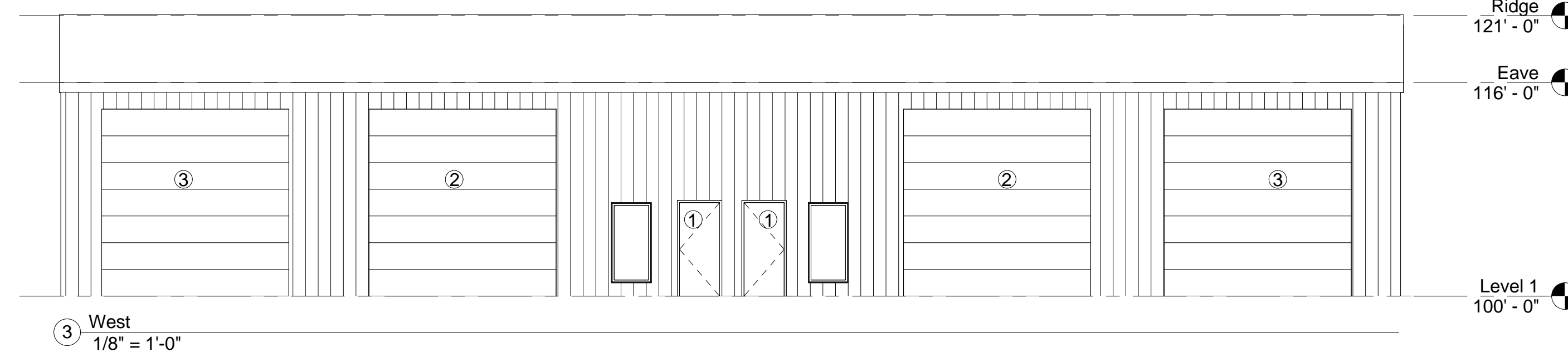
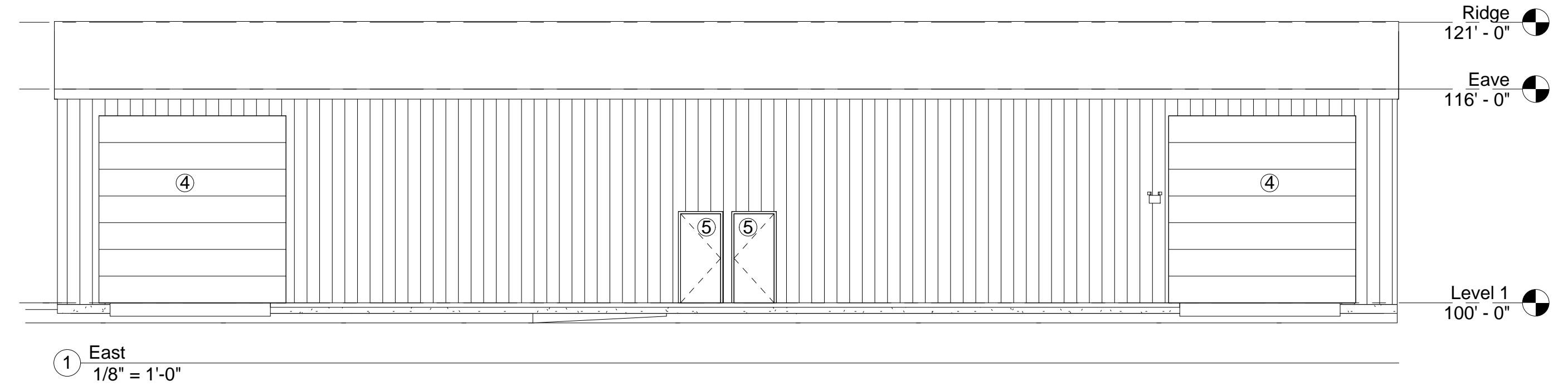
PHONE:	
ADDRESS:	
CONSULTANT:	
DISCIPLINE:	CIVIL
	STRUCTURAL
	MECHANICAL
	ELECTRICAL
	PLUMBING

**Floor Plan**  
Legends lot 11 Office/ Warehouse  
12416 Road Runner  
Oklahoma City, Oklahoma

PROJECT:	22311b
DATE:	06/02/2023
REVISIONS #/DATE	
# DATE # DATE	
1 6	
2 7	
3 8	
4 9	
5 10	

SHEET:  
**A2.0**

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ADDRESS:	
CONSULTANT:	
DISCIPLINE:	CIVIL
	STRUCTURAL
	MECHANICAL
	ELECTRICAL
	PLUMBING

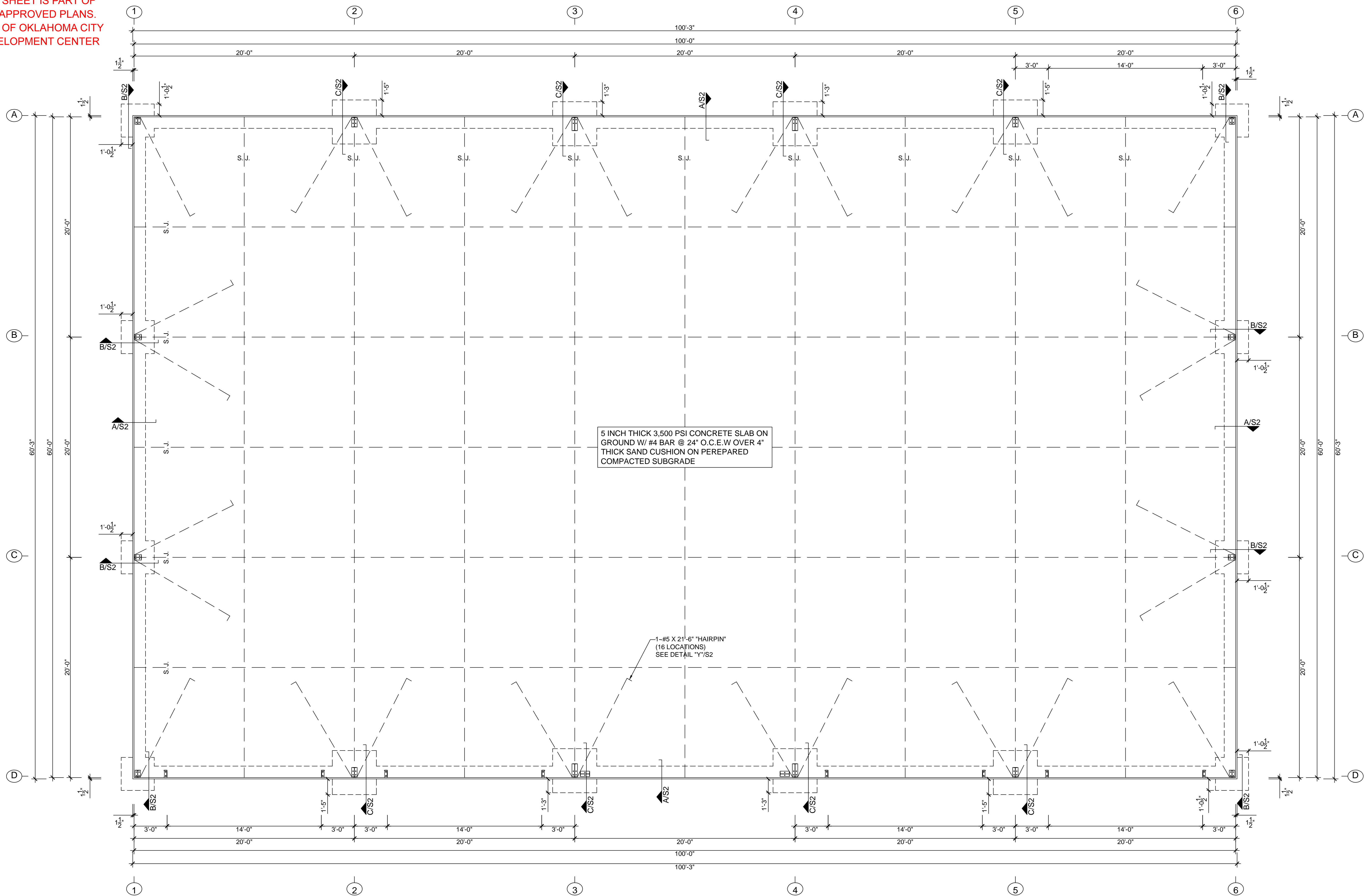
**Elevations**  
Legends lot 11 Office/ Warehouse  
12416 Road Runner  
Oklahoma City, Oklahoma

PROJECT:	22311b
DATE:	06/02/23
REVISIONS #/DATE	
# DATE # DATE	
1 6	
2 7	
3 8	
4 9	
5 10	

SHEET:  
**A3.0**



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**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"

05/24/2023

**STEVE MONTAZZ. P.E.**  
5101 SE 165TH STREET,  
OKLAHOMA CITY, OKLAHOMA 73165  
TEL. 405-496-7887



REVISIONS		DESCRIPTION
NO	DATE	BY
1		
2		
3		
4		
5		

12416 ROAD RUNNER LN  
OKC. OK. 73114

<b>FOUNDATION PLAN</b>		CAD	SCALE	AS NOTED	DATE
FILENAME	JOB#	MM			6-22-23
DRAWN	CHECKED	APPROVED			



**GENERAL CONSTRUCTION NOTES**

- ALL MATERIAL & WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF BOTH LOCAL CODE & CODE LISTED IN DESIGN LOAD TABLE
- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING ANY WORK. SPECIAL CARE SHALL BE GIVEN TO THE SITE AND TO THE BUILDING LAYOUT THEREON.
- COSTS OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION, SHALL BE BORNE BY THE CONTRACTOR.
- WHERE SOIL REPORT IS CITED, ITS REQUIREMENTS SHALL BE ADOPTED HEREIN.
- ALL MANUFACTURED PRODUCTS MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.
- REFER TO PROJECT SPECIFICATIONS FOR MATERIAL SPECIFICATIONS AND PERFORMANCE REQUIREMENTS NOT COVERED BY THE STRUCTURAL DRAWINGS.
- ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE SHOWN.
- NO CONCRETE OR MASONRY WORK SHALL BE PERFORMED DURING HEAVY RAIN, SNOW, OR HAIL, OR WHEN THE TEMPERATURE OF THE OUTSIDE AIR IS BELOW 40 DEGREES F. UNLESS APPROVED METHODS ARE USED TO PREVENT FREEZING OF CONCRETE AND MASONRY. SUCH METHODS SHALL PREVENT THE MATERIALS FROM FREEZING FOR AT LEAST 48 HOURS. ALL MATERIALS USED AND MATERIALS BUILT UPON SHALL BE FREE FROM ICE AND SNOW. ALL MATERIALS ALLOWED TO FREEZE SHALL BE REMOVED AND REPLACED WITH NEW WORK. ALL AT THE EXPENSE OF THE CONTRACTOR.

**REINFORCING STEEL**

- REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60 TYPICALLY. LAP BARS A MINIMUM OF 36 DIAMETERS, WHERE GRADE 40 IS REQUIRED ON PLANS, LAP 30 DIAMETERS. STAGGER LAPS WHERE PERMISSIBLE. LAP BARS A MINIMUM OF 48 DIAMETERS IN MASONRY. USE GRADE 60 TYPICALLY, USE GRADE 40 FOR TIES & DOWELS (#3 OR SMALLER).
- WIRE MESH SHALL CONFORM TO ASTM A-185. LAP 6" MINIMUM.
- FOOTING DOWELS SHALL MATCH VERTICAL WALL OR COLUMN STEEL. LAP 36 DIAMETERS.
- AT ALL OPENINGS IN CONCRETE, CONCRETE BLOCK AND BRICK MASONRY, PROVIDE AT LEAST 2-#5 BARS AT JAMBS, HEAD AND SILL, EXTENDING 2'-0" BEYOND EDGES OF OPENING.
- MINIMUM CONCRETE COVER SHALL BE:
  - 3".....CONCRETE POURED AGAINST EARTH.
  - 2".....FORMED CONCRETE WHICH WILL REMAIN IN CONTACT WITH EARTH.
  - 1 1/2".....BEAMS, MEASURED TO MAIN STEEL; COLUMNS MEASURED TO TIES OR SPIRALS; EXPOSED TO EARTH OR WEATHER.
  - 3/4".....SLABS; INSIDE FACES OF WALLS.
- ALL WELDED REINFORCING BARS SHALL BE A706 REINFORCING BARS.

**FOUNDATION NOTES**

- FOOTINGS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 2,000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL PROPERTIES OF THE SITE. CONTRACTOR SHALL ORDER A SOIL TEST REPORT AND FOLLOW ALL RECOMMENDATIONS. IF RESULTS FROM THE SOIL INVESTIGATION ARE IN CONTRADICTION WITH THIS DESIGN, CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- VERIFY ALL DIMENSIONS, SLOPES, DEPRESSIONS, EMBEDMENT, ETC. BEFORE PLACING CONCRETE.
- THE SOILS REPORT SHALL BE KEPT AT THE JOB SITE AT ALL TIMES. SUBGRADE PREPARATION, COMPACTED FILL AND BACKFILL SHALL CONFORM TO THE SOIL REPORT AND SHALL BE INSPECTED AND APPROVED IN WRITING BY A QUALIFIED SOILS ENGINEER AND AS CALLED OUT ON THE GRADING PLAN.
- PRIOR TO PLACING FORM WORK, REINFORCING, OR CONCRETE, A QUALIFIED SOILS ENGINEER SHALL INSPECT AND APPROVE IN WRITING THE FOOTING EXCAVATION RELATIVE TO NATURAL GRADE, COMPACTED FILL AND FINISH GRADE AND SHALL VERIFY THE ALLOWABLE SOIL BEARING STRESS. COPIES OF THE INSPECTION REPORT SHALL BE SENT TO THE ARCHITECTS AND OWNERS REPRESENTATIVE IMMEDIATELY.
- PROTECT BOTTOM OF EXCAVATION FOR FOUNDATION AGAINST FROST AND KEEP FREE OF WATER, DEBRIS AND LOOSE CONCRETE MATERIAL.
- THE FOUNDATION DESIGN IS BASED ON POTENTIAL VERTICAL MOVEMENT, P.V.M. OF THE ORDER OF 1" OR LESS. IF THIS VALUE IS NOT ACCEPTABLE TO THE CLIENT THE FOUNDATION DESIGN MUST BE REVISED.
- THE ENGINEER SHALL BE NOTIFIED OF ALL SITE CONDITIONS AND/OR OBSTRUCTIONS NOT SPECIFICALLY COVERED BY THE SOILS REPORT BEFORE ANY ACTION IS TAKEN BY THE CONTRACTOR.
- PIERS ARE CENTERED UNDER THE COLUMNS, UNLESS NOTED OTHERWISE.
- BECAUSE OF THE ELAPSED TIME AND LOCATION OF ACTUAL FOOTING EXCAVATION THE CURRENT SOIL CONDITION MAY DIFFER SIGNIFICANTLY FROM THE SAMPLES THAT WERE USED IN THE DEVELOPMENT OF THE PROJECT GEO-TECH. REPORT. THEREFORE IT IS RECOMMENDED THAT THE BUILDING OWNER CONSULT WITH THE PROJECT GEO-TECH. ENGINEER TO DETERMINE IF THE FOUNDATION DESIGN PARAMETERS ARE CONSISTENT WITH THE CURRENT SOIL CONDITION.
- THIS FOUNDATION DESIGN MEETS THE REQUIREMENTS OF IBC 2015

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**CONCRETE AND EMBEDDED ITEMS**

- ALL CONCRETE SHALL BE MIXED, FORMED AND PLACED ACCORDING TO FOLLOWING A.C.I. CODES, LATEST EDITION. ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE. ACI 305 HOT WEATHER CONCRETING. ACI 306 COLD WEATHER CONCRETING
- THE MAXIMUM WATER / CEMENT RATIO SHALL BE 0.5. READYMIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94. MAXIMUM SLUMP SHALL BE 5" AS MEASURED BY THE ASTM "STANDARD METHOD OF TESTING FOR SLUMP OF PORTLAND CEMENT CONCRETE".
- CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS PER ASTM C-39
- CEMENT FOR CONCRETE OR MASONRY MORTAR SHALL BE A STANDARD BRAND "PORTLAND CEMENT", MEETING THE REQUIREMENT OF ASTM C-150M TYPE 1. CEMENT SHALL BE "TYPE II". (USE TYPE V CEMENT IF REQUIRED BY SOILS REPORT)
- AGGREGATES FOR CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM C-33.
- CONTRACTOR MAY USE AN APPROVED WATER REDUCING ADMIXTURE CONFORMING TO ASTM C-494.
- SLAB ON GRADE AS NOTED ON PLAN SHALL BE POURED ON FIRM, MOISTENED, COMPACT EARTH. CONSTRUCTION OR CONTRACTION JOINTS SHALL BE SPACED A MAXIMUM OF 15' APART.
- BEFORE PLACEMENT OF CONCRETE, THE CONTRACTOR SHALL VERIFY PROPER PLACEMENT OF ALL ITEMS OF WORK WHICH ARE EMBEDDED IN THE CONCRETE WORK. THE FOOTINGS SHALL HAVE BEEN INSPECTED AND APPROVED BY A QUALIFIED SOILS ENGINEER BEFORE CONCRETE PLACEMENT. FOOTINGS SHALL BE FREE OF STANDING WATER.
- ALL ANCHOR BOLTS SHALL HAVE A STANDARD HEAD AT EMBEDDED END. ANCHOR BOLTS SHALL BE SPACED 12 BOLT DIAMETERS MINIMUM. MINIMUM EMBEDMENT OF ANCHOR BOLTS SHALL BE 7" IN FOOTINGS AND 7" INTO VERTICAL CONCRETE SURFACES, U.N.O.
- BOLTS IN SIMPSON SET EPOXY, MAY BE USED IN LIEU OF ANCHOR BOLTS WHERE SPECIAL CONDITIONS WARRANT THEIR USE, PROVIDED THAT WRITTEN APPROVAL OF THE ENGINEER IS OBTAINED. SIZE OF SUCH ANCHORS SHALL BE ONE NOMINAL SIZE LARGER OR THEIR NUMBER SHALL BE INCREASED BY 25% WHERE APPLIED TO VERTICAL SURFACES.
- GROUT SHALL CONSIST OF 1 PART CEMENT, TO NOT MORE THAN 3 PARTS SAND AND NOT LESS THAN 1 PART NOR MORE THAN 2 PARTS P.C.A. GRAVEL BASED ON DRY LOOSE VOLUMES. GROUT SHALL BE OF FLUID CONSISTENCY. APPROVED ADMIXTURES MAY BE ADDED TO GROUT MIX. GROUT SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSED STRENGTH OF 3000 PSI AT 28 DAYS
- DRYPACK SHALL CONSIST OF 1 PART CEMENT, 4 PARTS SAND, BASED ON DRY LOOSE VOLUMES AND NOT LESS THAN 1/4 PART NOR MORE THAN 1/2 PART LIME PUTTY OR DRY HYDRATED LIME. DRYPACK SHALL OBTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- ALL CONCRETE EMBEDMENTS, INCLUDING FOUNDATION BOLTS, SHALL BE TIED IN PLACE PRIOR TO FOUNDATION EXCAVATION INSPECTION.
- FINE AGGREGATE SHALL BE COMPOSED OF CLEAN HARD PARTICLES WITH NOT MORE THAN 2% BY WEIGHT OF DELETERIOUS SUBSTANCES.
- COMBINED GRADING OF AGGREGATES SHALL CONFORM TO THE REQUIREMENT OF THE PROJECT SPECIFICATION.
- THE CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318 AND 347.
- CONCRETE FINISHES AND CURING SHALL CONFORM TO THE PROJECT SPECIFICATIONS.
- ANCHOR BOLTS SHALL BE POSITIONED WITH A TEMPLATE PRIOR TO PLACING CONCRETE IN PIER OR FOOTING. NUTS SHALL BE TIGHTENED ON EACH SIDE OF TEMPLATE TO HOLD THE ANCHOR BOLTS IN PLACE.
- ADDITIONAL MATERIALS INCLUDE: VAPOR BARRIER 10 MIL POLYETHYLENE, EXPANSION JOINT MATERIAL, PREFORMED STRIPS COMPLYING WITH ASTM D1752 TYPE 1, CURE/SEAL COMPOUND COMPLY WITH ASTM C309 TYPE 1 CLASS B WATER-BASE ACRYLIC MEMBRANE.

**SOIL AND FOUNDATION**

**REFERENCE STANDARDS:** Conform to IBC Chapter 18 "Soils and Foundation"

**GEOTECHNICAL REPORT:** No geotechnical report was provided.

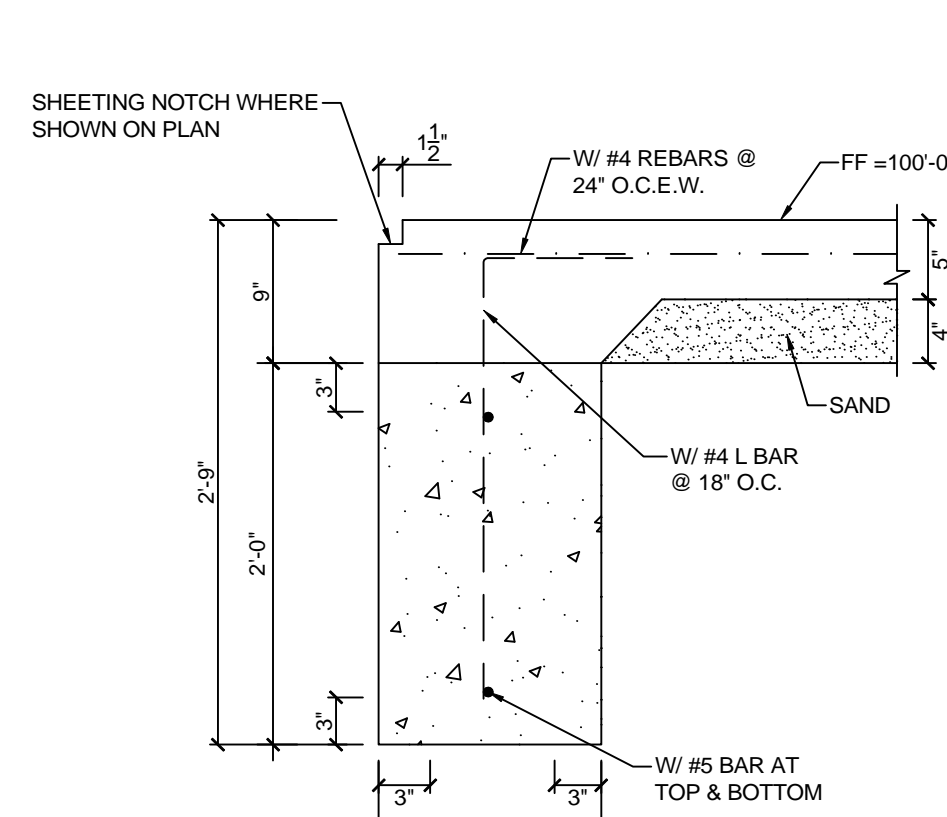
**CONTRACTOR'S RESPONSIBILITIES:** Contractor shall be responsible to review the geotechnical report and shall follow the recommendations specified therein including, but not limited to, subgrade preparations, pile installation procedure, ground water management and steep slope Best Management practices.

**GEOTECHNICAL SUBGRADE INSPECTION:** The Geotechnical Engineer shall inspect all sub-grades and prepared soil bearing surfaces, prior to placement of foundation reinforcing steel and concrete. Geotechnical Engineers shall provide a letter to the owner stating that soils are adequate to support the "Allowable Foundation Bearing Pressure (S)" shown below. Assumed values shall be field verified by Building Officials or Geotechnical Engineer prior to placing concrete.

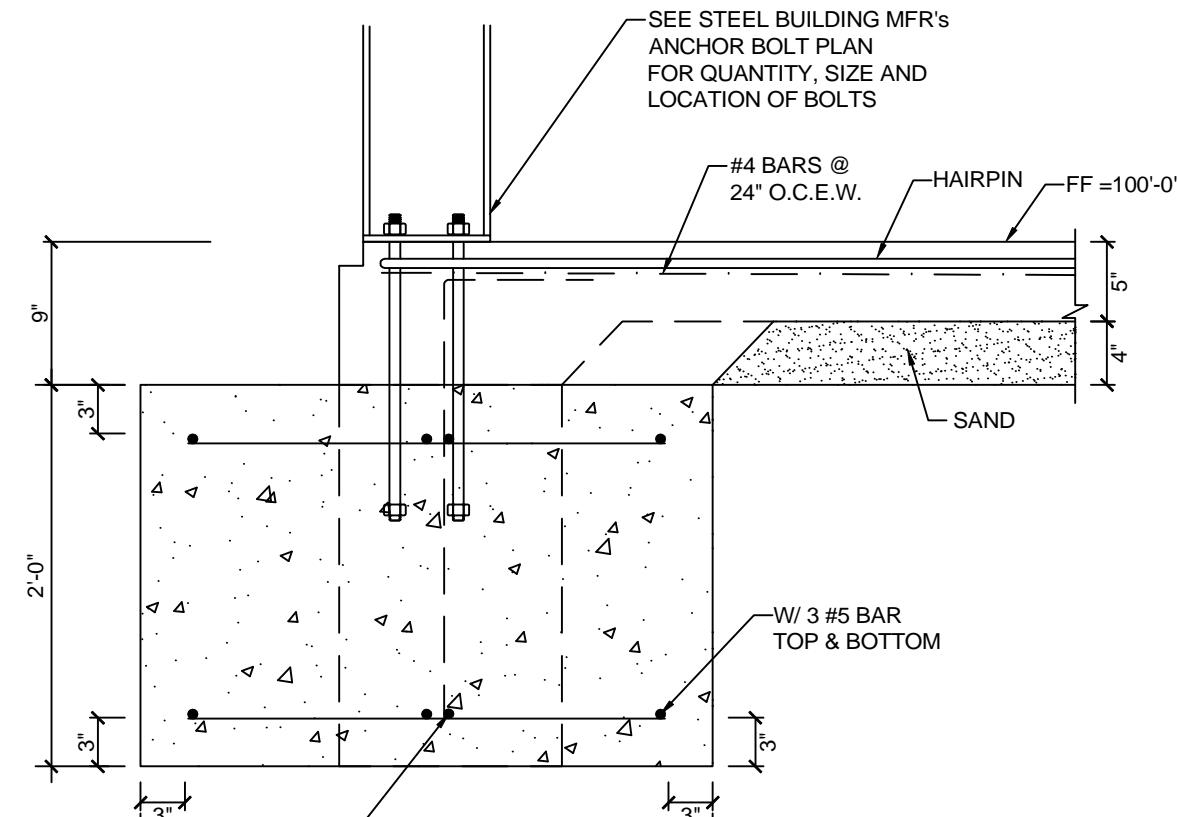
**DESIGN SOIL VALUES:**  
 Allowable Foundation Bearing Pressure..... 2000 PSF  
 Passive Lateral Pressure..... 200 PSF/FT  
 Coefficient of Sliding Friction..... 0.35

**FOUNDATION AND FOOTING:** Foundations shall bear on either on competent native soil or compacted structural fill as per the geotechnical report. Exterior perimeter footing shall bear not less than 24 inches below finish grade, unless otherwise specified by the geotechnical engineer and/or the building official.

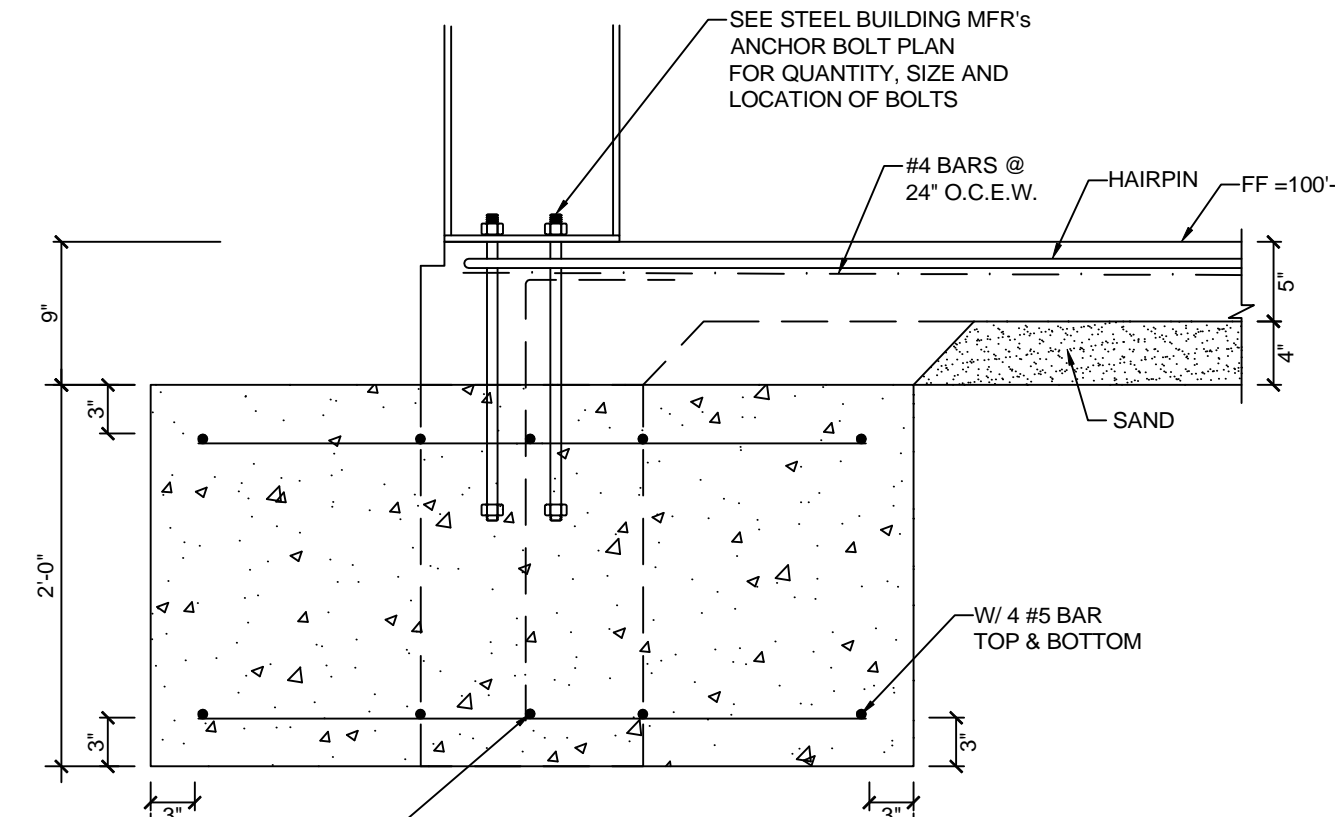
**SLABS-ON-GRADE:** All slabs-on-grade shall bear on compacted structural fill or competent native soil per the geotechnical report. All moisture sensitive slabs-on-grade or those subject to receive moisture sensitive coatings/coverings shall be provided with an appropriate capillary break and vapor barrier/retardant over the subgrade prepared and install as noted in the geotechnical report, barrier manufacturer's written recommendations and coordinated with the finishes specified by the Architect.



**SECTION "A"**  
SCALE: 1" = 1'-0"



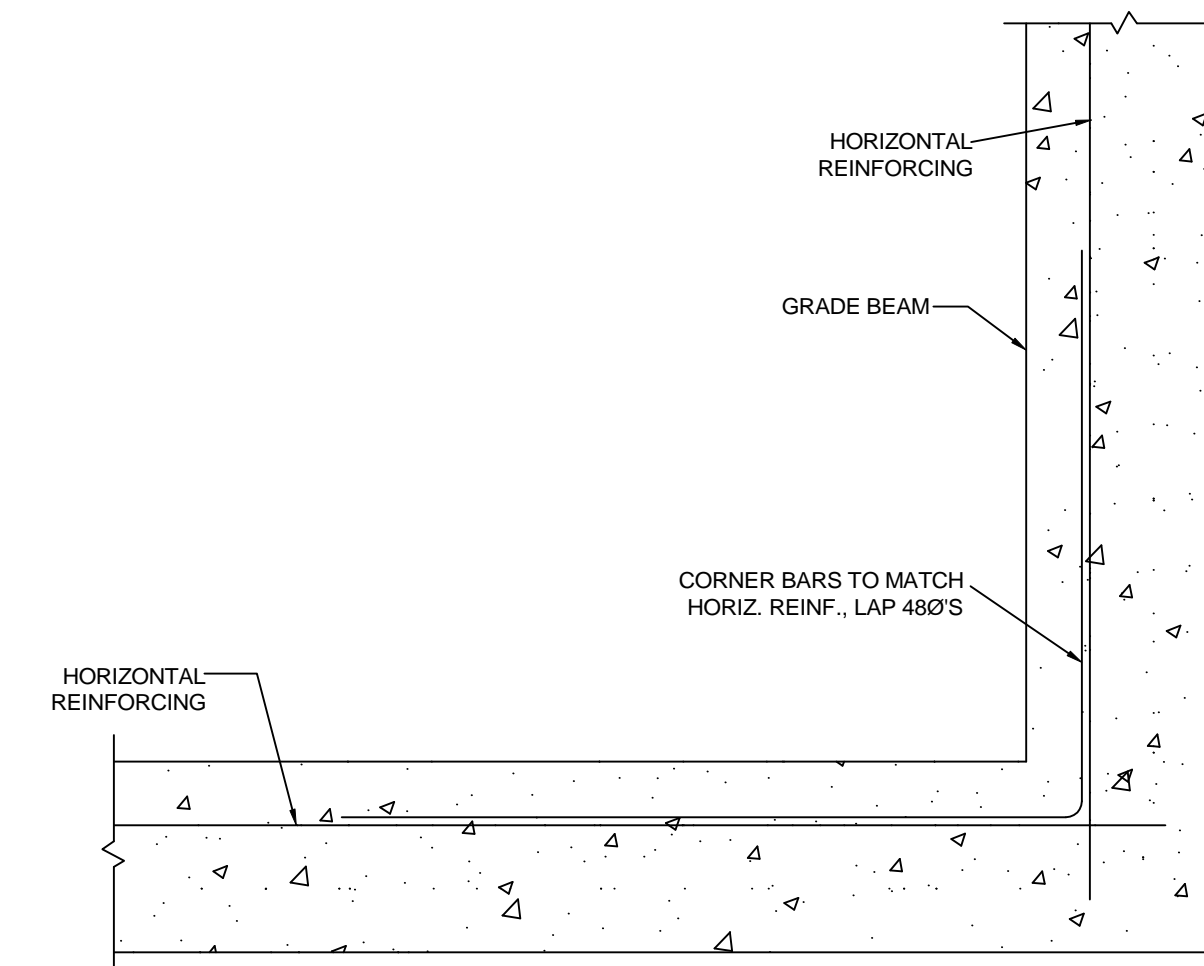
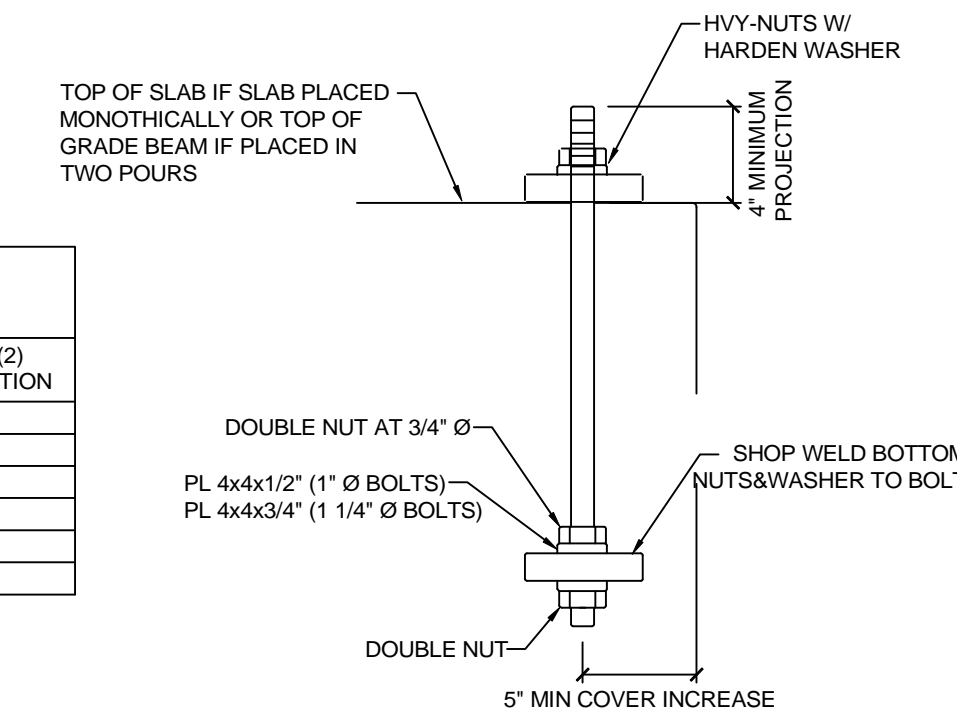
**SECTION "B"**  
SCALE: 1" = 1'-0"



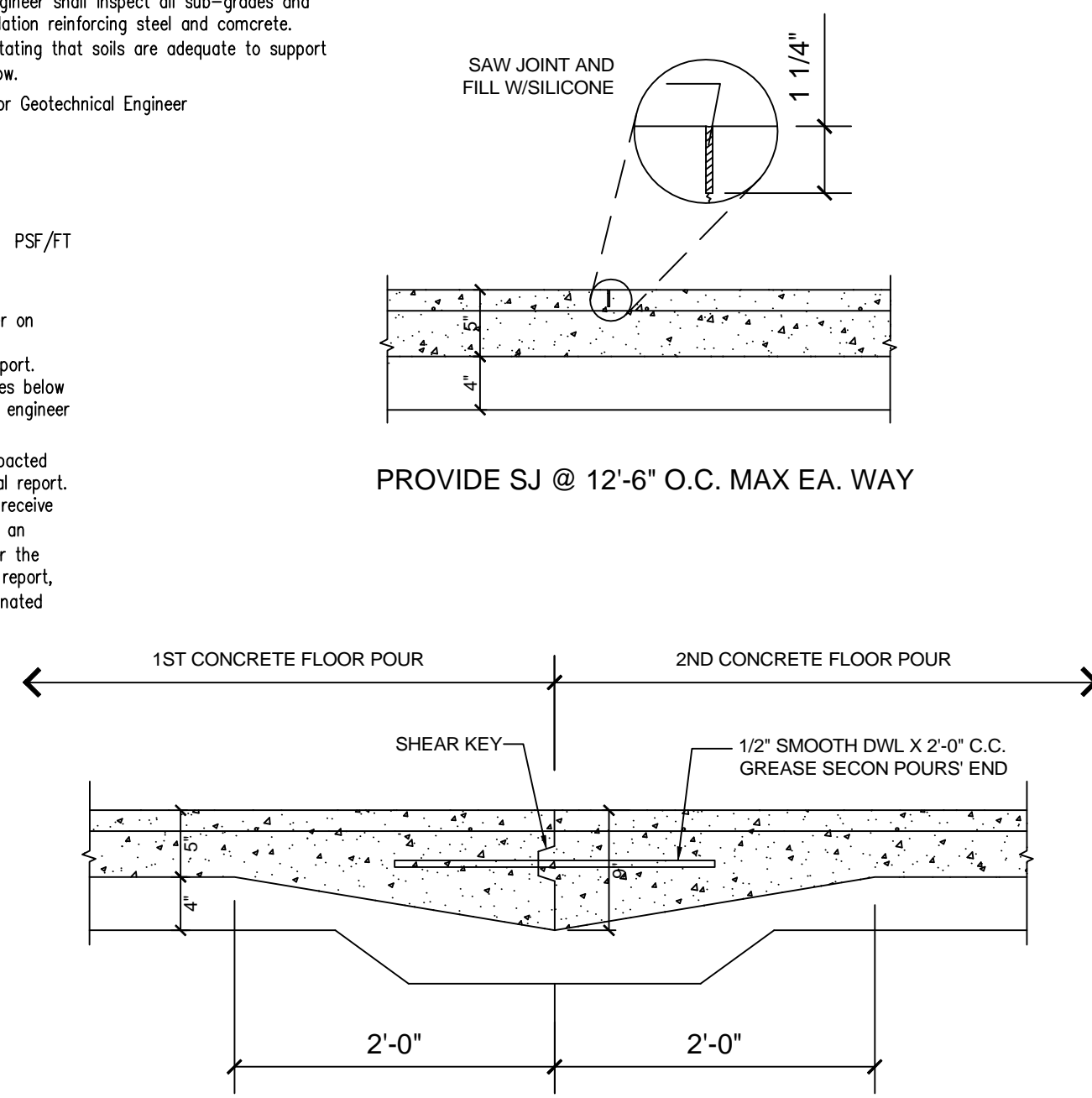
**SECTION "C"**  
SCALE: 1" = 1'-0"

METAL BUILDING ANCHOR BOLTS SCHEDULE	
BOLT DIAMETER (1)	MINIMUM EMBEDMENT (2) INTO CONCRETE FOUNDATION
1/2" DIA.	18" EMBED
5/8" DIA.	18" EMBED
3/4" DIA.	18" EMBED
7/8" DIA.	25" EMBED
1" DIA.	24" EMBED
1 1/4" DIA.	30" EMBED

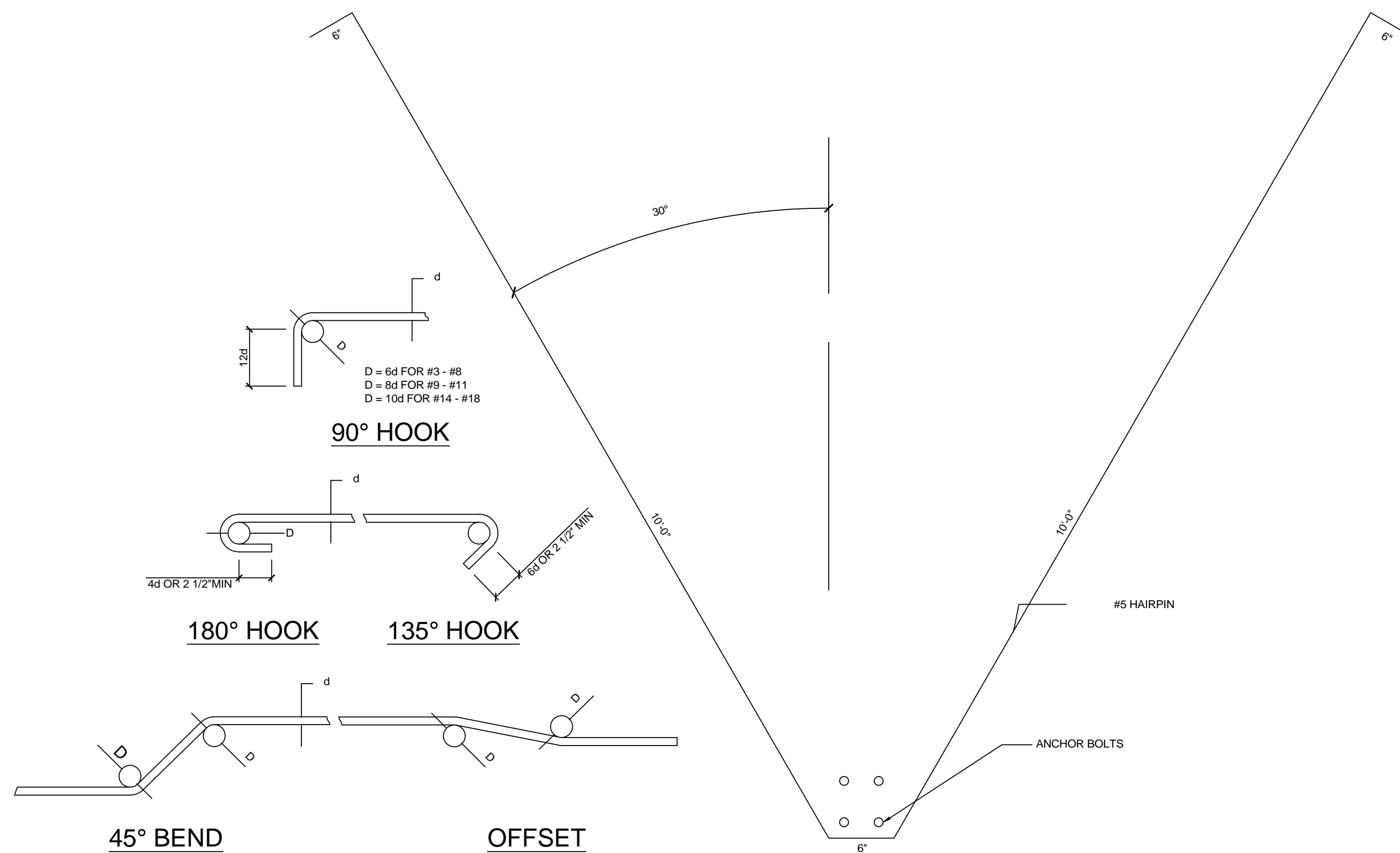
**ANCHOR BOLT SCHEDULE**  
SCALE: 1" = 1'-0"



**SECTION "2" - REINFORCEMENT PLAN**  
SCALE: 1" = 1'-0"



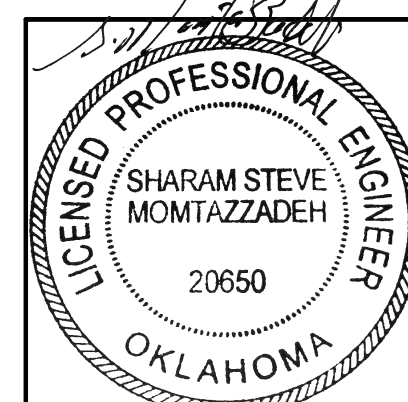
**SECTION "6" - SJ/CJ DETAIL**  
SCALE: 1" = 1'-0"



**SECTION "Y"**

05/24/2023

**STEVE MONTAZZ. P.E.**  
5101 SE 15TH STREET,  
OKLAHOMA CITY, OKLAHOMA 73165  
TEL. 405-496-7887



NO	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			

12416 ROAD RUNNER LN  
OKC. OK. 73114

FOUNDATION DETAILS		JOB #	DATE
FILENAME	DATE	SCALE	AS NOTED
DRAWN	MM	CHECKED	DATE
APPROVED			6-22-23



THIS SHEET IS PART OF  
THE APPROVED PLANS.  
CITY OF OKLAHOMA CITY  
DEVELOPMENT CENTER

STEVE MONTAZZ, P.E.  
5101 SE 165TH STREET,  
OKLAHOMA CITY, OKLAHOMA 73165  
TEL. 405-496-7887

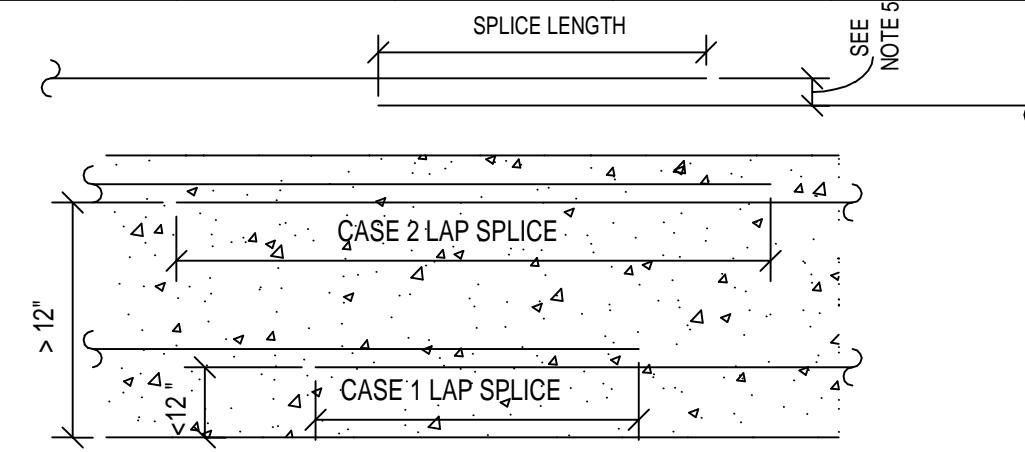


05/24/2023

CASE 1: CLASS B SPLICE LENGTHS OF REINFORCEMENT IN TENSION, Ld (IN) FY = 60,000 PSI NORMALWEIGHT CONCRETE, fc (PSI)						CASE 2: CLASS B SPLICE LENGTHS OF REINFORCEMENT IN TENSION, Ld (IN) FY = 60,000 PSI NORMALWEIGHT CONCRETE, fc (PSI)					
BAR SIZE	db (IN)	fc = 3,000	fc = 4,000	fc = 5,000	fc = 5,000	BAR SIZE	db (IN)	fc = 3,000	fc = 4,000	fc = 5,000	fc = 5,000
#3	0.375	21	18	17	15	#3	0.375	28	24	22	20
#4	0.5	28	25	22	20	#4	0.5	37	32	29	26
#5	0.625	36	31	28	30	#5	0.625	46	40	36	33
#6	0.75	43	37	33	44	#6	0.75	56	48	43	39
#7	0.875	62	54	48	44	#7	0.875	81	70	63	57
#8	1.00	71	62	55	50	#8	1.00	93	80	72	65
#9	1.128	80	70	62	57	#9	1.128	104	90	81	74
#10	1.27	90	78	70	64	#10	1.27	118	102	91	83
#11	1.41	100	87	78	71	#11	1.41	131	113	101	92

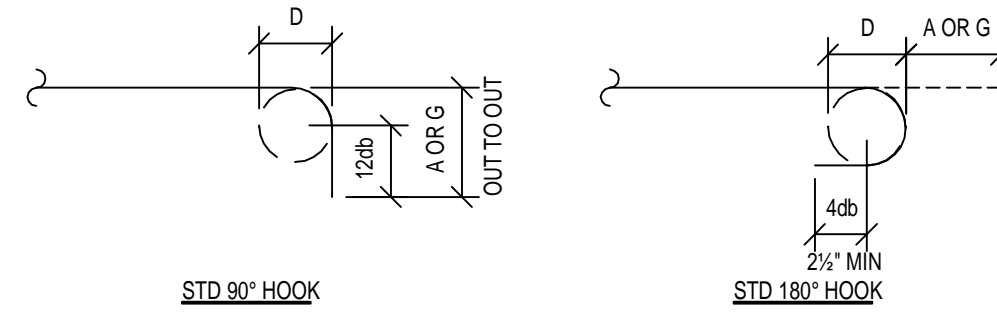
NOTES:

- CASE 1 APPLIES TO REINFORCEMENT THAT HAS LESS THAN 12" OF FRESH CONCRETE PLACED BELOW HORIZONTAL REINFORCEMENT. ALL VERTICAL REINFORCEMENT FALLS UNDER CASE 1.
- CASE 2 APPLIES TO REINFORCEMENT THAT HAS MORE THAN 12" OF FRESH CONCRETE PLACED BELOW HORIZONTAL REINFORCEMENT.
- CLEAR SPACING OF BARS BEING DEVELOPED MUST BE AT LEAST 2db (DIA OF BAR) & CLEAR COVER AT LEAST db. INCREASE DEVELOPMENT LENGTH IF OTHERWISE.
- FOR EPOXY COATED REINFORCEMENT INCREASE THE LENGTH BY A FACTOR OF 1.2.
- ADJACENT BARS THAT ARE TO BE SPLICED SHALL BE IN CONTACT AND TIED TOGETHER WHERE POSSIBLE. WHERE CONTACT IS NOT POSSIBLE, THE MAXIMUM OFFSET SHALL BE ONE-FIFTH THE REQUIRED LAP SPLICE LENGTH OR 6", WHICHEVER IS LESS.



3 TENSION LAP SPLICE LENGTH  
1" = 1'-0"

STANDARD END HOOK DIMENSIONS (IN)				
BAR SIZE	D	180° HOOKS		90° HOOKS
		A or G	J	A or G
#3	2 1/4	5	3	6
#4	3	6	4	8
#5	3 3/4	7	5	10
#6	4 1/2	8	6	12
#7	5 1/4	10	7	14
#8	6	11	8	16
#9	9 1/2	15	11 3/4	19
#10	10 3/4	17	13 1/4	22
#11	12	19	14 3/4	24

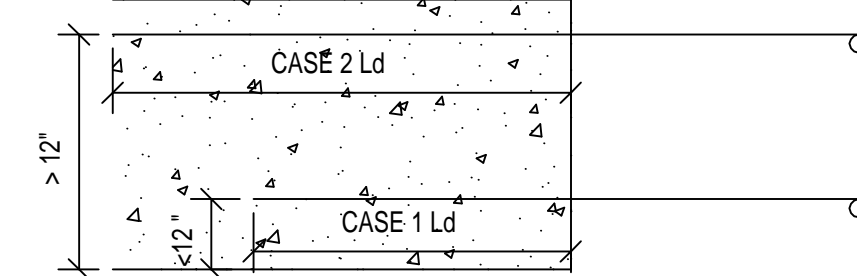


5 STANDARD END HOOK DIMENSIONS  
1" = 1'-0"

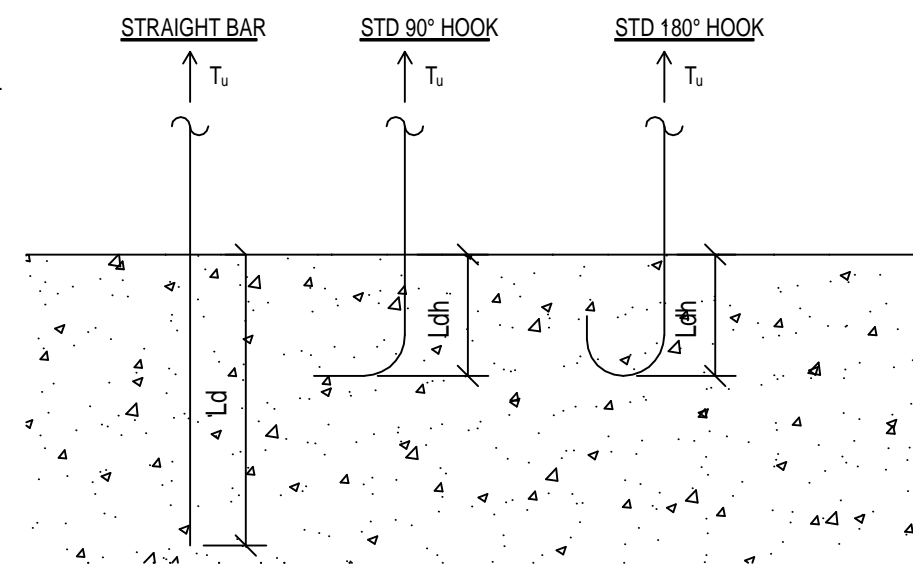
CASE 1: DEVELOPMENT LENGTHS OF REINFORCEMENT IN TENSION, Ld (IN) FY = 60,000 PSI NORMALWEIGHT CONCRETE, fc (PSI)						CASE 2: DEVELOPMENT LENGTHS OF REINFORCEMENT IN TENSION, Ld (IN) FY = 60,000 PSI NORMALWEIGHT CONCRETE, fc (PSI)						DEVELOPMENT LENGTHS OF STANDARD HOOKS IN TENSION, Ldh (IN) FY = 60,000 PSI NORMALWEIGHT CONCRETE, fc (PSI)					
BAR SIZE	db (IN)	fc = 3,000	fc = 4,000	fc = 5,000	fc = 5,000	BAR SIZE	db (IN)	fc = 3,000	fc = 4,000	fc = 5,000	fc = 5,000	BAR SIZE	db (IN)	fc = 3,000	fc = 4,000	fc = 5,000	fc = 6,000
#3	0.375	16	14	13	12	#3	0.375	21	18	17	15	#3	0.375	9	8	7	6
#4	0.5	22	19	17	15	#4	0.5	28	25	22	20	#4	0.5	11	10	9	8
#5	0.625	27	24	21	19	#5	0.625	36	31	28	25	#5	0.625	14	12	11	10
#6	0.75	33	28	25	23	#6	0.75	43	37	33	30	#6	0.75	17	15	13	12
#7	0.875	48	42	37	34	#7	0.875	62	54	48	44	#7	0.875	20	17	15	14
#8	1.00	55	47	42	39	#8	1.00	71	62	55	50	#8	1.00	22	19	17	16
#9	1.128	62	54	48	44	#9	1.128	80	70	62	57	#9	1.128	25	22	20	18
#10	1.27	70	60	54	49	#10	1.27	90	78	70	64	#10	1.27	28	25	22	20
#11	1.41	77	67	60	55	#11	1.41	100	87	78	71	#11	1.41	31	27	24	22

NOTES:

- CASE 1 APPLIES TO REINFORCEMENT THAT HAS LESS THAN 12" OF FRESH CONCRETE PLACED BELOW HORIZONTAL REINFORCEMENT. ALL VERTICAL REINFORCEMENT FALLS UNDER CASE 1.
- CASE 2 APPLIES TO REINFORCEMENT THAT HAS MORE THAN 12" OF FRESH CONCRETE PLACED BELOW HORIZONTAL REINFORCEMENT.
- CLEAR SPACING OF BARS BEING DEVELOPED MUST BE AT LEAST 2db (DIA OF BAR) & CLEAR COVER AT LEAST db. INCREASE DEVELOPMENT LENGTH BY 1.5 IF OTHERWISE.
- FOR EPOXY COATED REINFORCEMENT INCREASE THE LENGTH BY A FACTOR OF 1.2.



6 TENSION DEVELOPMENT LENGTH  
1" = 1'-0"



NOTES:

- THE HOOK SHALL BE LOCATED WITHIN THE CONFINED CORE OF A COLUMN OR BOUNDARY ELEMENT, WITH THE HOOK BENT INTO THE JOINT.
- THE DEVELOPMENT LENGTH SHALL BE MULTIPLIED BY A FACTOR OF 1.2 FOR EPOXY COATED REINFORCING BARS.

DEVELOPMENT LENGTH, Ld IS THE BONDED LENGTH REQUIRED TO ACHIEVE THE DESIGN STRENGTH OF A BAR (TO PRECLUDE THE BAR FROM SLIPPING OUT OF THE CONCRETE)

NO	DATE	BY	DESCRIPTION					
				1	2	3	4	5

12416 ROAD RUNNER LN  
OKC, OK. 73114

DRAWING NAME	FOUNDATION DETAILS
FILENAME	MM
DRAWN	MM
CHECKED	MM
APPROVED	MM
DATE	6-22-23
SCALE	AS NOTED
JOB #	
CAD	

**GENERAL NOTES**

THE STRUCTURE UNDER THIS CONTRACT HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS STIPULATED IN THE CONTRACT AND SHOWN ON THESE DRAWINGS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM, REMOVAL OF ANY COMPONENT PARTS, OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE ADVICE AND DIRECTION OF A REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER. THE BUILDING MANUFACTURER WILL ASSUME NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.

THIS METAL BUILDING IS DESIGNED WITH THE BUILDING MANUFACTURER'S STANDARD PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES AS APPLICABLE.

1. AMERICAN INSTITUTE OF STEEL CONSTRUCTION, SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS
2. AMERICAN IRON AND STEEL INSTITUTE, SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS
3. AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE' AWS D1.1
4. METAL BUILDING MANUFACTURER'S ASSOCIATION , LOW RISE BUILDING SYSTEMS MANUAL
5. INTERNATIONAL CODE COUNCIL: INTERNATIONAL BUILDING CODE

ALL WELDING ELECTRODES SHALL BE A233 CLASS E-70 SERIES. MINIMUM WELDS ON PRIMARY STRUCTURAL MEMBERS SHALL BE 3/16 FILLET WELDS UNLESS SHOWN OTHERWISE ON SHOP FABRICATION DRAWINGS.

ALL STRUCTURAL STEEL SHALL BE SHOP FABRICATED UNLESS NOTED.

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) CONFORM TO THE CHEMISTRY REQUIREMENTS OF ASTM-A36 WITH MINIMUM YIELD POINT OF 50,000 P.S.I. OR 36,000 P.S.I. AS REQUIRED BY DESIGN.

MATERIAL PROPERTIES OF COLD FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO THE REQUIREMENTS OF A.S.T.M. A-570, GRADE 55, WITH A MINIMUM YIELD POINT OF 57,000 P.S.I.

ALL PIPE SHALL BE MINIMUM SCHEDULE 40 AND 36,000 P.S.I. UNLESS OTHERWISE NOTED.

CABLE BRACING TO BE "BRACE GRIP" SYSTEM AS MANUFACTURED BY FLORIDA WIRE AND CABLE COMPANY, EHS CABLE OR EQUAL. BRACING IN FLUSH GIRT SIDEWALL / ENDWALL BAYS MAY REQUIRE THE FIELD CUTTING OF SLOTS SO THAT CABLE IS INSTALLED WITHIN GIRTS.

STRUCTURAL JOINTS WITH A.S.T.M. A-325 HIGH STRENGTH BOLTS, WHERE INDICATED ON THE DRAWINGS, SHALL BE ASSEMBLED AND THE FASTENERS TIGHTENED IN ACCORDANCE WITH 'SNUG-TIGHT' METHOD AS DESCRIBED IN THE SPECIFICATION FOR STRUCTURAL JOINTS USING A.S.T.M. A-325 OR A-490 BOLTS (JUNE 30, 2004 EDITION), UNLESS OTHERWISE NOTED. ALL JOINTS WILL BE ASSEMBLED WITHOUT WASHERS UNLESS OTHERWISE NOTED.

ALL STEEL MEMBERS EXCEPT BOLTS AND FASTENERS SHALL RECEIVE ONE SHOP COAT OF IRON OXIDE CORROSION INHIBITIVE PRIMER.

SHOP AND FIELD INSPECTIONS AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

UNLESS OTHERWISE NOTED, ALL SCREWED-DOWN ROOF AND WALL PANELS ARE TO BE INSTALLED USING A MINIMUM OF ONE SCREW PER FOOT AT EACH PURLIN / GIRT AND ONE STITCH SCREW EVERY 24 INCH ALONG THE PANEL LAPS AND ENDS AS DESCRIBED IN THE INSTALLATION MANUAL. SINCE BEARING FRAME ENDWALLS DEPEND ON DIAPHRAGM STRENGTH TO PROVIDE LATERAL SUPPORT, THE NUMBER AND SIZE OF FIELD INSTALLED OPENINGS IN THESE WALLS MAY BE LIMITED. SEE THE APPLICABLE WALL DRAWING OR CONTACT YOUR SALES REPRESENTATIVE FOR MORE INFORMATION.

**BUILDING DESCRIPTION**

BLDG	WIDTH		LENGTH		HEIGHT		ROOF PITCH			
					BACK	FRONT	BACK	FRONT		
1	60'-0"		X	100'-0"		X	16'-0"	16'-0"	2.00:12	2.00:12

**INSTALLATION NOTE**

For videos and manuals to help you with the erection of your building, visit our website: [www.muellerinc.com](http://www.muellerinc.com)

Go to the "Downloads" tab near the top of the page and click on "Videos" or "Manuals". These will help you with topics from site planning and safety through erection and installation of accessories.

**WARRANTY NOTE**

ENGINEERING CALCULATIONS AND DESIGN ARE BASED ON PRE-FABRICATED METAL BUILDING(S) AS SHOWN IN THESE DRAWINGS AND SUPPLIED BY MUELLER, INC. AND ANY FIELD FABRICATION AND/OR MODIFICATION OF SAID BUILDING(S) IS THE SOLE RESPONSIBILITY OF THE CUSTOMER AND MAY VOID ALL ENGINEERING AND WARRANTY.

**NOTE:**

THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ANY ACCESSORIES USED WITH THIS BUILDING (DOORS, WINDOWS, VENTS, ETC.) MUST BE RATED TO MEET THE SAME WIND CRITERIA AS THIS BUILDING.

**NOTE:**

THIS BUILDING IS NOT DESIGNED TO CARRY ANY SNOW DRIFTING LOADS IMPOSED BY AN EXISTING STRUCTURE OR TERRAIN FEATURE WITHIN 20 FEET OF THIS BUILDING.

**PRODUCT CERTIFICATIONS**

THIS IS TO CERTIFY THE ABOVE REFERENCED BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH A.I.S.C. AND A.I.S.I. DESIGN PROCEDURES AND GOOD ENGINEERING PRACTICE AND FOR THE FOLLOWING LOADS. ALL WELDING IS PER THE A.W.S. D1.1 & D1.3 CODES. LOADS ARE APPLIED IN ACCORDANCE WITH THE M.B.M.A. LOW RISE BUILDING SYSTEMS MANUAL, AND THE DESIGN SATISFIES THE REQUIREMENTS OF IBC'12

DEAD LOAD: METAL BLDG STRUCTURE ONLY AS FURNISHED BY MUELLER, INC.

LIVE LOAD (ROOF): 20.0 (psf) GROUND SNOW LOAD:  $P_g = 10.0$  (psf)

LIVE LOAD REDUCED PER CODE? YES ROOF SNOW LOAD (Flat):  $P_r = 10.0$  (psf)

WIND EXPOSURE: C  $C_e = 1.0$   $I_s = 1.0$

RISK CATEGORY: II - Normal WIND LOAD:  $V_{ULT} = 115.0$  MPH

$V_{ASD} = 90.0$  MPH

**SEISMIC LOADS**

$I_e = 1.0$  SEISMIC DESIGN CATEGORY: C

$S_s = 0.287$   $S_{DS} = 0.301$  SITE CLASS: D

$S_1 = 0.085$   $S_{D1} = 0.136$  ANALYSIS PROCEDURE: Equivalent Lateral Force Method

**BUILDING-SPECIFIC LOADING INFORMATION**

BLDG	Collateral Load (psf)	SNOW $C_t$	SNOW $C_s$	Roof (Sloped) $P_s$ (psf)	WIND Enclosure	GC <sub>PI</sub>	R	SEISMIC	
								$C_s$	V (kips)
1	3.0	1.0	1.0	10.00	Enclosed	±0.18	3.25	0.093	4.66

THIS LETTER OF CERTIFICATION APPLIES SOLELY TO THIS BUILDING AND ITS COMPONENT PARTS AS FURNISHED AND/OR FABRICATED BY MUELLER, INC. AND SPECIFICALLY EXCLUDES FOUNDATION, MASONRY OR GENERAL CONTRACT WORK INCLUDING ERECTION CERTIFICATION. THE DESIGN AND CERTIFICATION FOR THIS PROJECT IS IN ACCORDANCE WITH THE PROVISIONS AND LOADS SPECIFIED ON THE CONTRACT DOCUMENTS. THE CUSTOMER IS TO INSURE ALL LOADS ARE IN COMPLIANCE WITH LOCAL REGULATORY AUTHORITIES. ALL COMPONENTS AND PARTS MUST WITHSTAND THE WIND LOAD AND DESIGN SPECIFICATIONS MENTIONED ABOVE.

**PANEL ACCESSORY INFORMATION**

	PANEL TYPE	PANEL COLOR	TRIM COLOR
WALL SHEETS	126_R	LGR Lt Gray	RED Rustic Red
ROOF SHEETS	126_PBR	GP Galvalume Plus	RED Rustic Red

WARNING: IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD OR COPPER. BOTH LEAD AND COPPER HAVE HARMFUL CORROSION EFFECTS ON THE ALUMINUM ZINC ALLOY COATING WHEN THEY ARE USED IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM COPPER FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED.

**DEFLECTION LIMIT TABLE**

EW Column	L / 110
EW Rafter (Live)	L / 180
EW Rafter (Wind)	L / 180
Wall Girt	L / 90
Roof Purlin (Live)	L / 150
Roof Purlin (Wind)	L / 150
Rigid Frame (Horiz)	H / 60
Rigid Frame (Vert)	L / 180
Wind Framing	H / 60

**DRAWING INDEX**

PAGE	DESCRIPTION
C1	COVERSHEET
AB1	ANCHOR BOLT PLAN
AB2	ANCHOR BOLT DETAILS
AB3	ANCHOR BOLT DETAILS
AB4	REACTIONS
E1	ROOF PLAN
E2	WALL ELEVATION AT GRID D
E3	WALL ELEVATION AT GRID A
E4	WALL ELEVATION AT GRID 1
E5	WALL ELEVATION AT GRID 6
E6	FRAME ELEVATION ON GRID 2
E7	FRAME ELEVATION ON GRID 3
E8	FRAME ELEVATION ON GRID 4
E9	FRAME ELEVATION ON GRID 5
E101	ERECTION DETAILS
E102	ERECTION DETAILS
E103	ERECTION DETAILS
S101	SHEETING DETAILS
T101	TRIM DETAILS

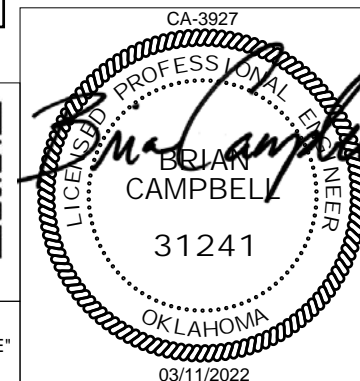
**FOR CONSTRUCTION**

For help with installation of your building, please visit our website:



[www.muellerinc.com/downloads/download-manuals](http://www.muellerinc.com/downloads/download-manuals)

NOTE: THE UNDERSIGNED ENGINEER IS NOT THE "REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE" NOR "ENGINEER OF RECORD" FOR THE OVERALL PROJECT.



REV	DATE	DESCRIPTION
0	03/11/2022	For Construction

**MUELLER, INC.**  
STEEL BUILDING SYSTEMS & COMPONENTS  
1913 Hutchins Ave. Ballinger, TX 76821  
(800) 527-1087

DRAWING DESCRIPTION: **COVERSHEET**

CUSTOMER NAME: <b>Deland Skinner</b>	END USER: <b>Deland Skinner</b>	SCALE: <b>NONE</b>
SALESMAN: <b>Matthew Lovelady</b>	JOB SITE ADDRESS: <b>Carnegie, OK 73015</b>	
DETAILER: <b>NSS</b>	CHECKER: <b>JDZ</b>	DATE: <b>03/11/2022</b>
	JOB #: <b>6330878</b>	DWG #: <b>C1</b>
		REV: <b>0</b>

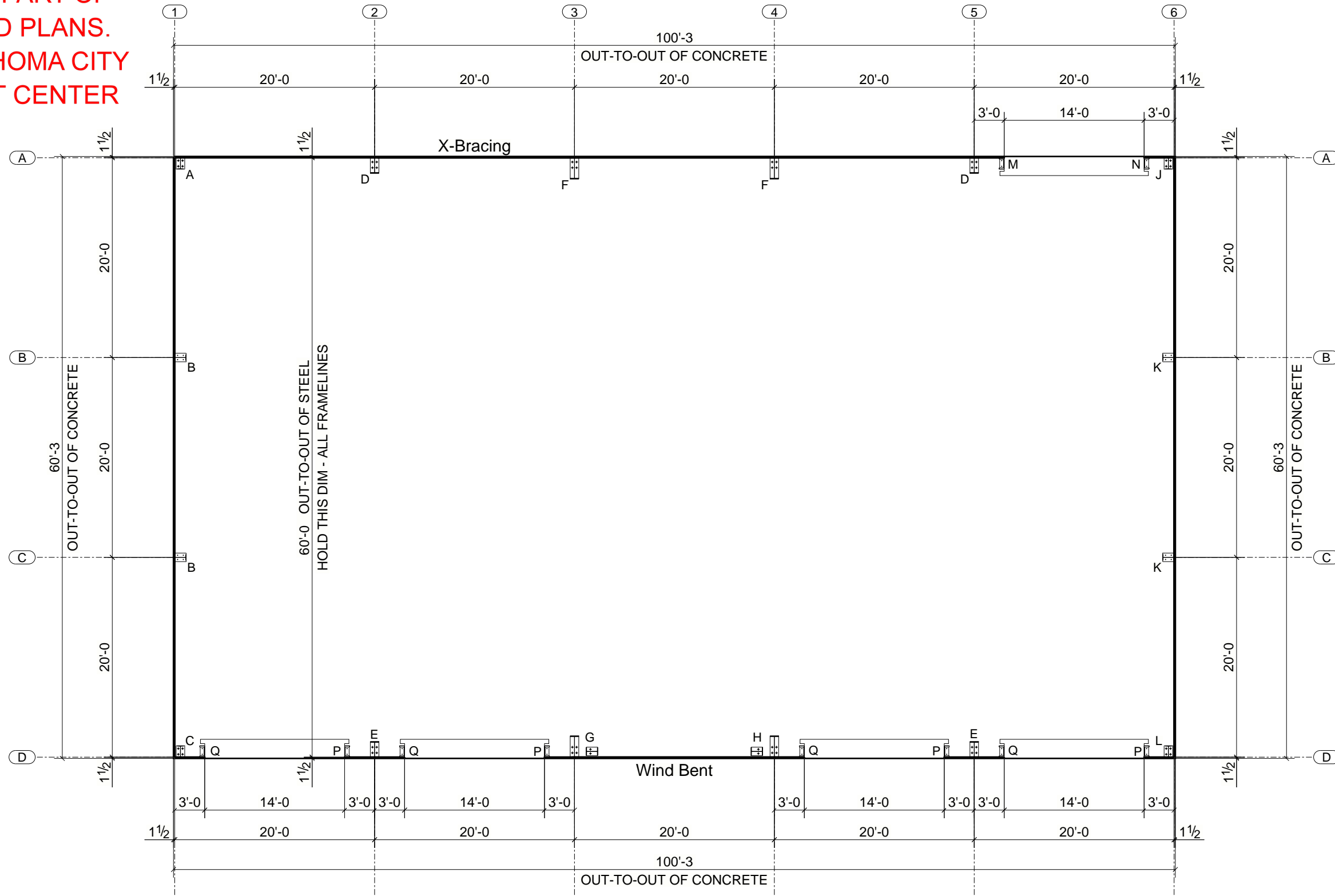
**THIS SHEET IS PART OF THE APPROVED PLANS. CITY OF OKLAHOMA CITY DEVELOPMENT CENTER**

**Legend**

PART MARK = Part001



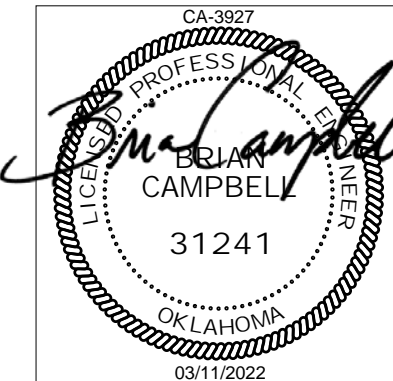
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CITY OF OKLAHOMA CITY  
DEVELOPMENT CENTER



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

ANCHOR BOLT SUMMARY		
QTY	LOCATION	DIA
20	JAMB	5/8"
4	WIND COLUMN	3/4"
16	ENDWALL	5/8"
16	ENDWALL	3/4"
32	MAINFRAME	3/4"

For Visual Purposes, Base Plate Views may be Exaggerated Beyond Dwg Scale

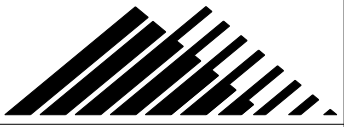


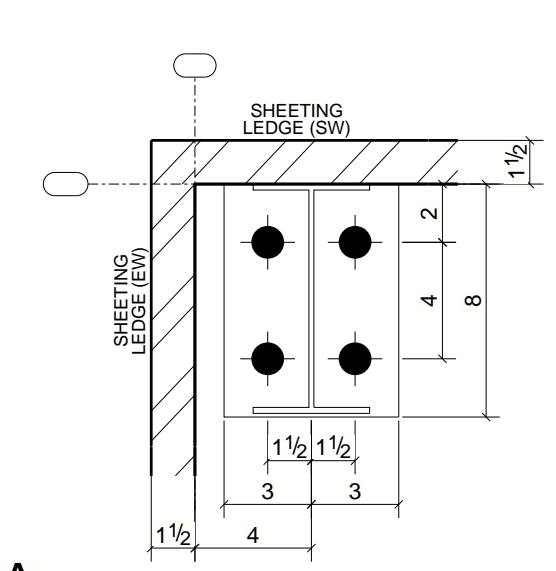
REV	DATE	DESCRIPTION
0	03/11/2022	For Construction

**MUELLER, INC.**  
STEEL BUILDING SYSTEMS & COMPONENTS  
1913 Hutchins Ave. Ballinger, TX 76821  
(800) 527-1087

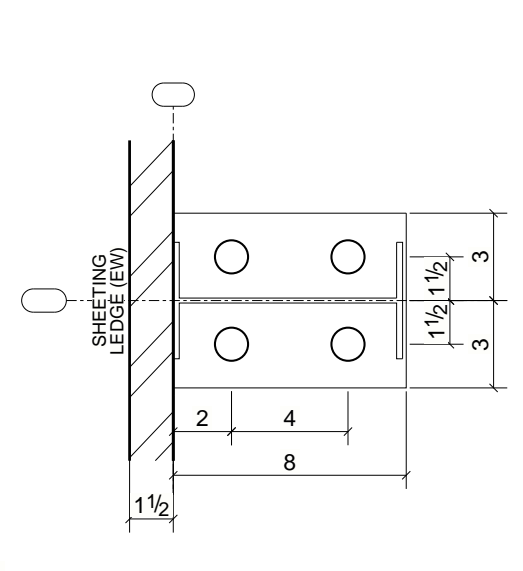
DRAWING DESCRIPTION:  
**ANCHOR BOLT PLAN**

CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: 1:60
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
	JOB #: 6330878	DWG #: AB1
		REV: 0

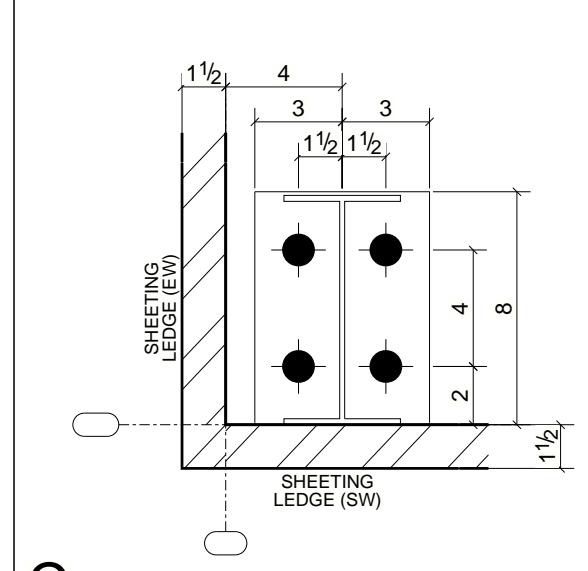




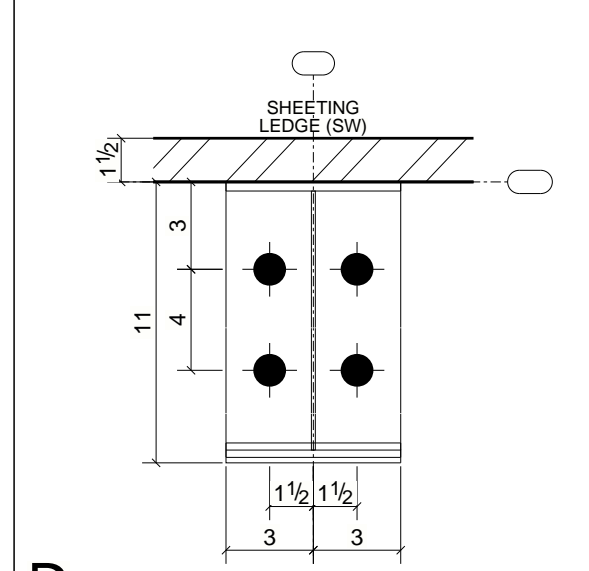
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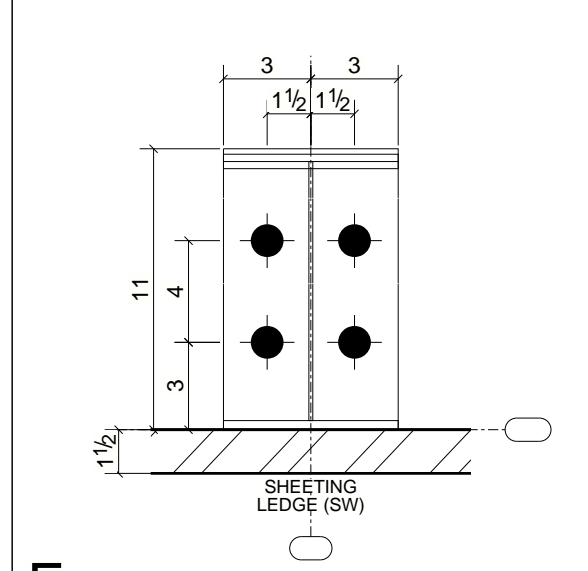
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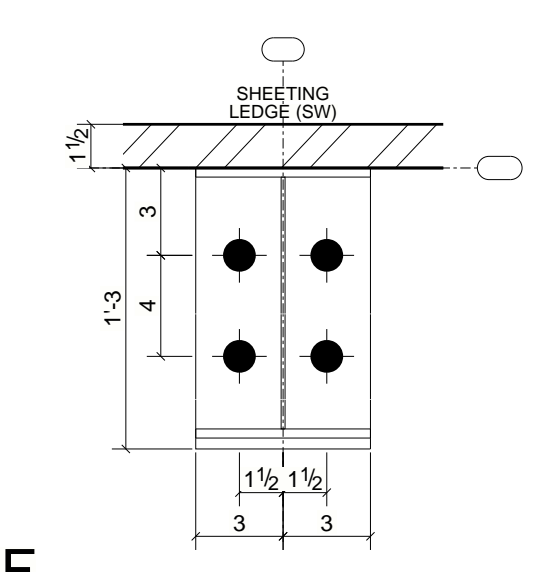
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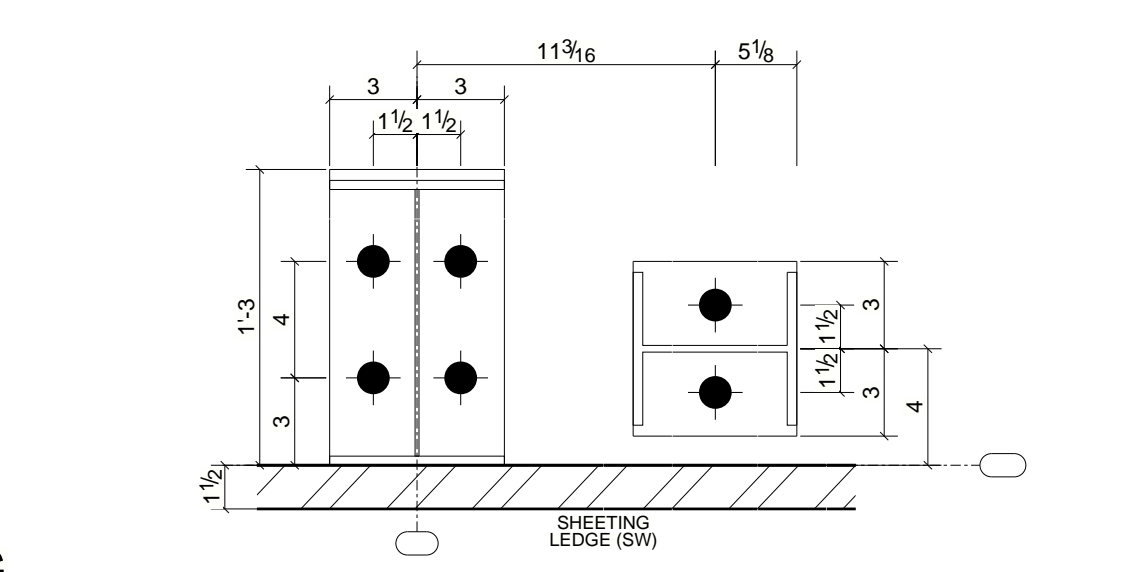
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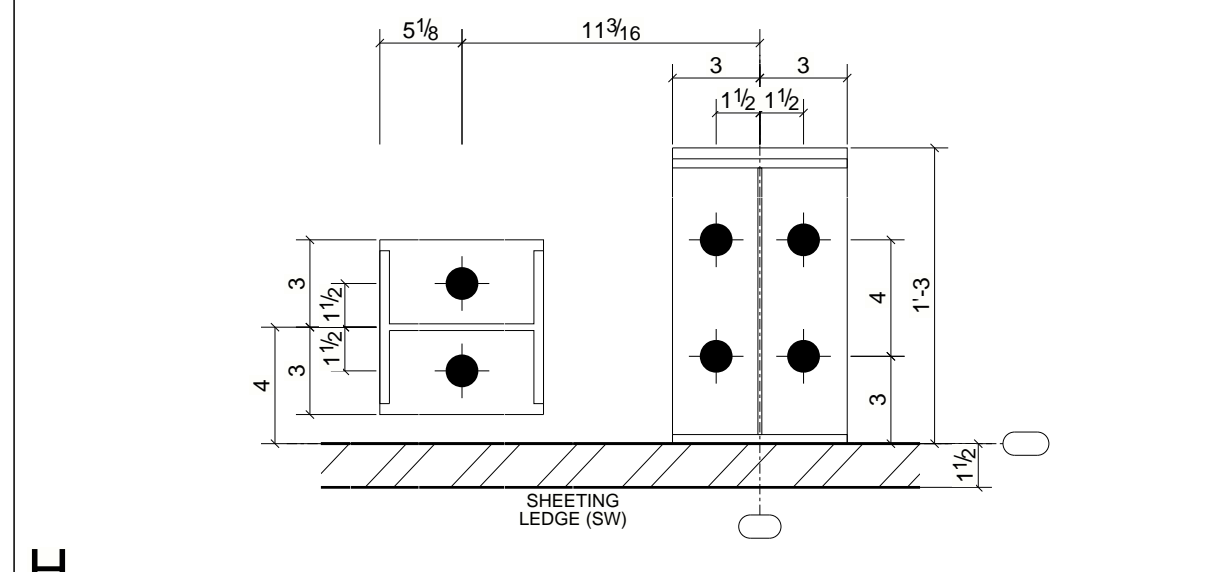
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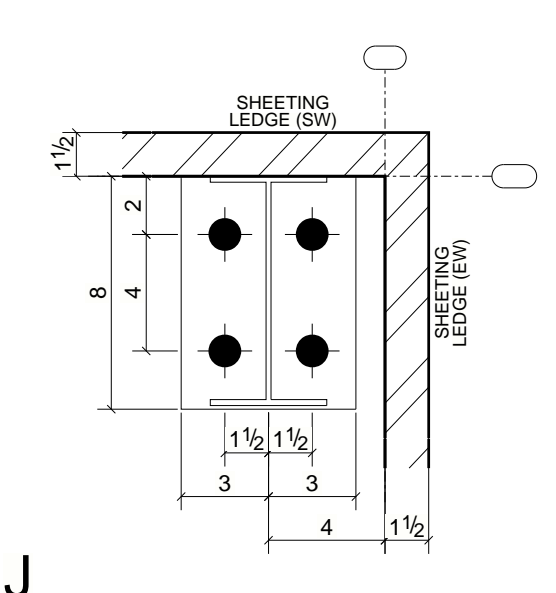
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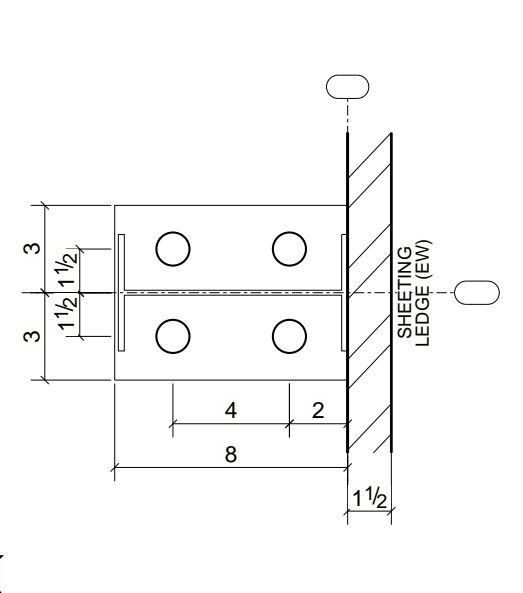
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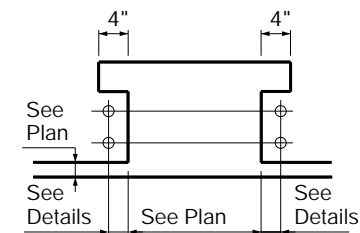


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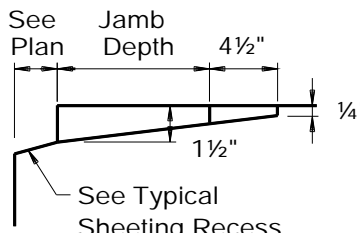


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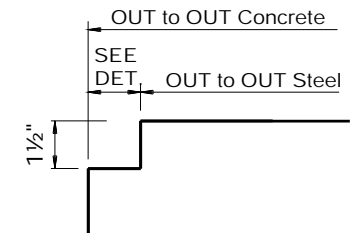
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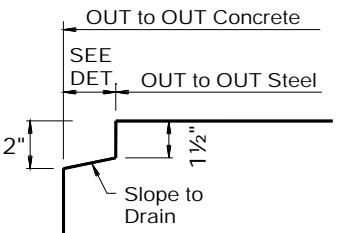
TYP. OVERHEAD DOOR BOLT LAYOUT



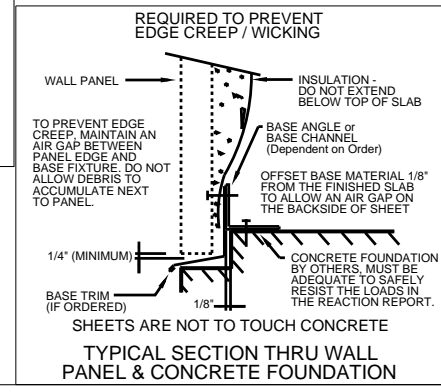
TYP. OVERHEAD DOOR RECESS



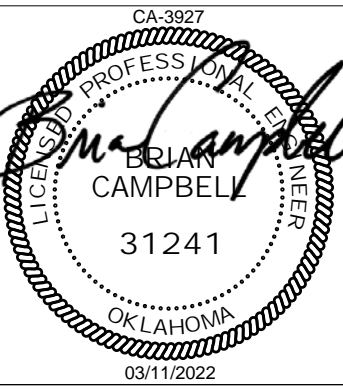
TYP. SHEETING RECESS WITH BASE DRIP EDGE TRIM



TYP. SHEETING RECESS W/O BASE DRIP EDGE TRIM



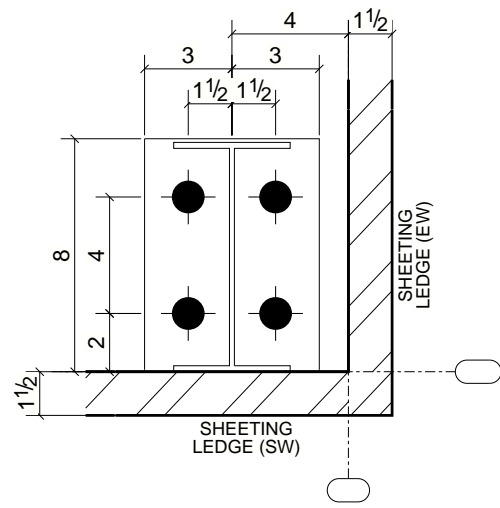
- GENERAL NOTES**
- Foundation design and construction are not the responsibility of MUELLER, INC.
  - The building reaction data reports the loads which this building places on the foundation.
  - Anchor Bolts shall be accurately set to a tolerance of ± 1/8" in both elevation and location.
  - Column base plates are designed not to exceed a bearing pressure of 1125 pounds per square inch.
  - Anchor Bolt sizes are based on the concrete design strength being a minimum of 3000 psi. Anchorage of the anchor bolts and adequacy of any foundation anchorage (including anchor bolts, drive pins, or any other foundation anchorage provided by MUELLER, INC.) is solely the responsibility of the foundation designer and / or customer.



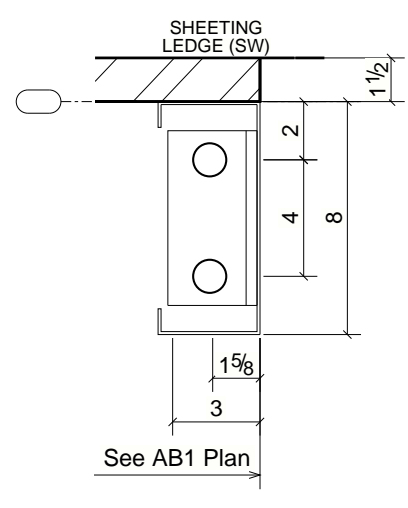
0	03/11/2022	For Construction
REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b>		
STEEL BUILDING SYSTEMS & COMPONENTS		
1913 Hutchins Ave. Ballinger, TX 76821		
(800) 527-1087		
DRAWING DESCRIPTION: ANCHOR BOLT DETAILS		
CUSTOMER NAME:	END USER:	SCALE:
Deland Skinner	Deland Skinner	NONE
SALESMAN:	JOB SITE ADDRESS:	
Matthew Lovelady	Carnegie, OK 73015	
DETAILER:	CHECKER:	DATE:
NSS	JDZ	03/11/2022
	JOB #:	DWG #:
	6330878	AB2
	REV:	0

○ DIA = 5/8"  
● DIA = 3/4"

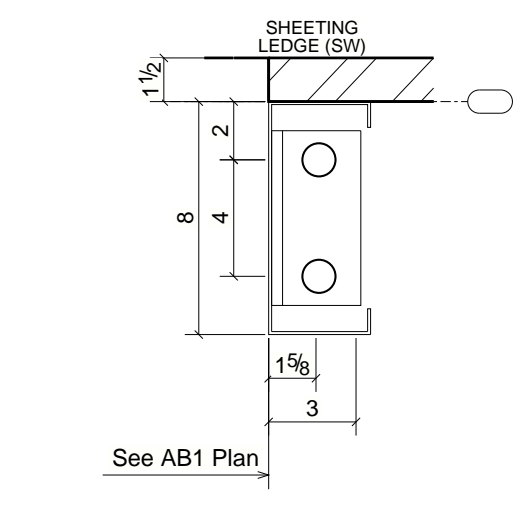




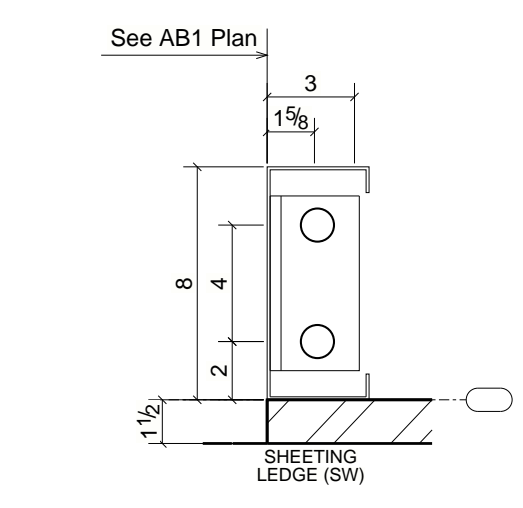
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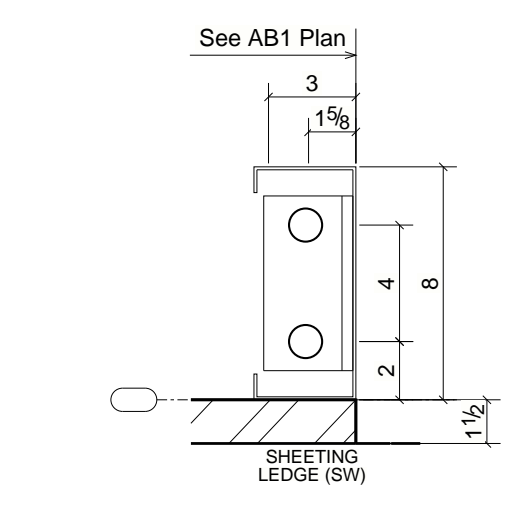
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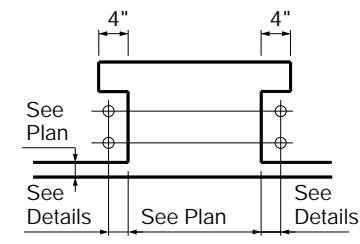


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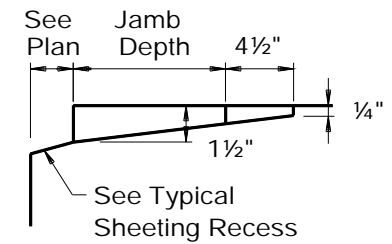


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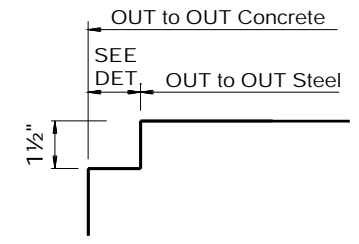
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TYP. OVERHEAD DOOR BOLT LAYOUT

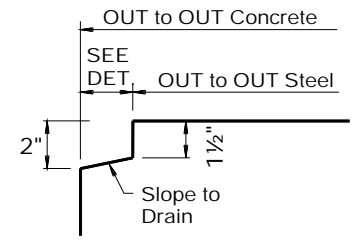


TYP. OVERHEAD DOOR RECESS



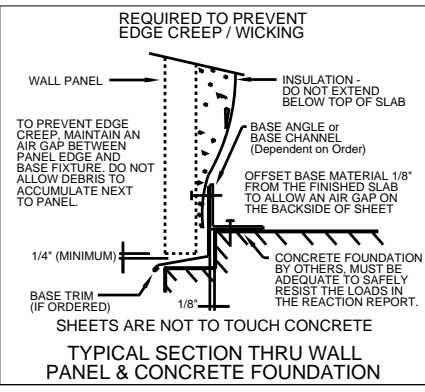
TYP. SHEETING RECESS WITH BASE DRIP EDGE TRIM

BASE DRIP EDGE TRIM MUST BE USED TO PREVENT EDGE CREEP.

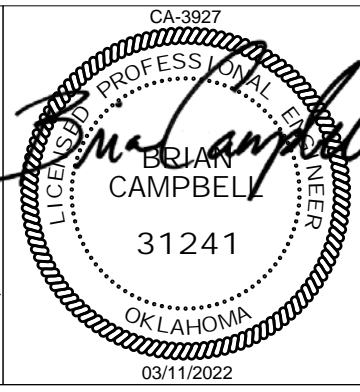


TYP. SHEETING RECESS W/O BASE DRIP EDGE TRIM

BASE DRIP EDGE TRIM NOT REQUIRED TO BE USED TO PREVENT EDGE CREEP.



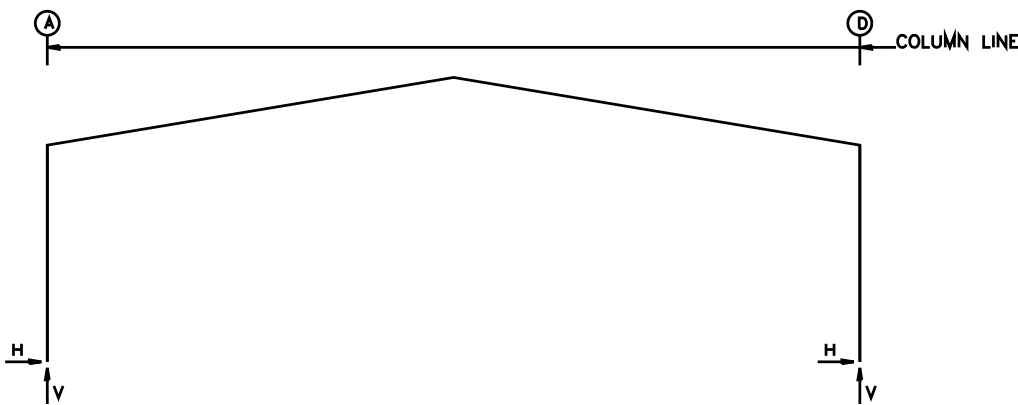
- GENERAL NOTES**
- Foundation design and construction are not the responsibility of MUELLER, INC.
  - The building reaction data reports the loads which this building places on the foundation.
  - Anchor Bolts shall be accurately set to a tolerance of  $\pm 1/8$ " in both elevation and location.
  - Column base plates are designed not to exceed a bearing pressure of 1125 pounds per square inch.
  - Anchor Bolt sizes are based on the concrete design strength being a minimum of 3000 psi. Anchorage of the anchor bolts and adequacy of any foundation anchorage (including anchor bolts, drive pins, or any other foundation anchorage provided by MUELLER, INC.) is solely the responsibility of the foundation designer and / or customer.



0	03/11/2022	For Construction
REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b>		
STEEL BUILDING SYSTEMS & COMPONENTS		
1913 Hutchins Ave. Ballinger, TX 76821		
(800) 527-1087		
DRAWING DESCRIPTION:		
<b>ANCHOR BOLT DETAILS</b>		
CUSTOMER NAME:	END USER:	SCALE:
Deland Skinner	Deland Skinner	NONE
SALESMAN:	JOB SITE ADDRESS:	
Matthew Lovelady	Carnegie, OK 73015	
DETAILER:	CHECKER:	DATE:
NSS	JDZ	03/11/2022
JOB #:	DWG #:	REV:
6330878	AB3	0

○ DIA = 5/8"  
● DIA = 3/4"

FRAME LINES: 2 3 4 5



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

Frm Line	Col Line	Column_Reactions(k )						Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin			Width	Length	Thick	
2*	A	1	6.9	11.4	2	-4.8	-6.5	4	0.750	6.000	11.00	0.500	0.0
		5	5.9	11.9	4	-1.2	-7.7						
2*	D	3	4.8	11.4	3	-6.9	-6.5	4	0.750	6.000	11.00	0.500	0.0
		1	-6.9	11.4	3	4.8	-6.5						

2\* Frame lines: 2 5

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

Frm Line	Col Line	Column_Reactions(k )						Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin			Width	Length	Thick	
3*	A	1	5.5	11.4	2	-3.9	-6.1	4	0.750	6.000	15.00	0.500	0.0
		5	4.6	12.0	4	-0.7	-7.7						
3*	D	3	3.9	11.4	3	-5.5	-6.1	4	0.750	6.000	15.00	0.500	0.0
		1	-5.5	11.4	3	3.9	-6.1						

3\* Frame lines: 3 4

**RIGID FRAME: BASIC COLUMN REACTIONS (k )**

Frame Line	Column Line	---Dead---		---Collateral---		---Live---		---Snow---		---Wind_Left1---		---Wind_Right1---	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
2*	A	1.3	2.4	1.1	1.8	4.5	7.2	3.7	6.0	-9.4	-13.3	-3.4	-9.5
2*	D	-1.3	2.4	-1.1	1.8	-4.5	7.2	-3.7	6.0	3.4	-9.5	9.4	-13.3
2*	A	-7.7	-7.9	-1.7	-4.2	-3.3	-15.3	-4.1	-13.3	-0.4	-0.2	0.4	0.2
2*	D	1.7	-4.2	7.7	-7.9	4.1	-9.6	3.3	-11.5	-0.4	0.2	0.4	-0.2
2*	A	0.0	-4.2	3.7	6.0	3.1	5.8	3.1	3.5				
2*	D	0.0	0.0	-3.7	6.0	-3.1	3.5	-3.1	5.8				
3*	A	1.0	2.4	0.9	1.8	3.5	7.2	2.9	6.0	-7.6	-12.5	-1.7	-9.0
3*	D	-1.0	2.4	-0.9	1.8	-3.5	7.2	-2.9	6.0	1.7	-9.0	7.6	-12.5
3*	A	-6.6	-7.2	-0.7	-3.6	-2.2	-15.3	-3.0	-13.3	-0.4	-0.2	0.4	0.2
3*	D	0.7	-3.6	6.6	-7.2	3.0	-9.6	2.2	-11.5	-0.4	0.2	0.4	-0.2
3*	A	0.0	-4.2	3.0	6.0	2.4	5.8	2.4	3.5				
3*	D	0.0	0.0	-3.0	6.0	-2.4	3.5	-2.4	5.8				

2\* Frame lines: 2 5  
3\* Frame lines: 3 4

**ENDWALL COLUMN: BASIC COLUMN REACTIONS (k )**

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert	Seis		
														Left Vert	Right Vert	
1	A	0.4	0.3	1.7	0.8	-2.4	-1.5	-1.5	-0.6	-1.6	1.8	-2.7	-1.7			
1	B	1.0	0.7	4.4	2.2	-6.5	-4.1	-4.7	-2.3	-3.8	4.2	-6.2	-3.5			
1	C	1.0	0.7	4.4	2.2	-4.1	-6.5	-2.3	-4.7	-3.8	4.2	-3.5	-6.2			
1	D	0.4	0.3	1.7	0.8	-1.5	-2.4	-0.6	-1.5	-1.6	1.8	-1.7	-2.7			
Frm Line	Col Line	Seis Left Vert	Seis Right Vert	-MIN_SNOW-- Horz	-MIN_SNOW-- Vert	E1UNB_SL_L-- Horz	E1UNB_SL_L-- Vert	E1UNB_SL_R-- Horz	E1UNB_SL_R-- Vert							
1	A	0.0	0.2	0.0	0.8	0.0	0.8	0.0	0.2							
1	B	0.0	-0.2	0.0	2.2	0.0	2.7	0.0	1.0							
1	C	-0.2	0.0	0.0	2.2	0.0	1.0	0.0	2.7							
1	D	0.2	0.0	0.0	0.8	0.0	0.2	0.0	0.8							

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

Frm Line	Col Line	Column_Reactions(k )						Bolt(in) Qty	Dia	Base_Plate(in)			Grout (in)
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin			Width	Length	Thick	
1	A	6	1.1	-1.4	7	-1.0	-1.4	4	0.750	6.000	8.000	0.500	0.0
		1	0.0	2.4	6	1.1	-1.4						
1	B	8	2.5	-3.3	7	-2.3	-3.1	4	0.625	6.000	8.000	0.500	0.0
		1	0.0	6.1	8	2.5	-3.3						
1	C	9	2.5	-3.3	10	-2.3	-3.1	4	0.625	6.000	8.000	0.500	0.0
		1	0.0	6.1	9	2.5	-3.3						
1	D	11	1.1	-1.4	10	-1.0	-1.4	4	0.750	6.000	8.000	0.500	0.0
		1	0.0	2.4	11	1.1	-1.4						
6	D	6	1.1	-1.4	7	-1.0	-1.4	4	0.750	6.000	8.000	0.500	0.0
		1	0.0	2.4	6	1.1	-1.4						
6	C	8	2.5	-3.3	7	-2.3	-3.1	4	0.625	6.000	8.000	0.500	0.0
		1	0.0	6.1	8	2.5	-3.3						
6	B	9	2.5	-3.3	10	-2.3	-3.1	4	0.625	6.000	8.000	0.500	0.0
		1	0.0	6.1	9	2.5	-3.3						
6	A	11	1.1	-1.4	10	-1.0	-1.4	4	0.750	6.000	8.000	0.500	0.0
		1	0.0	2.4	11	1.1	-1.4						

**WIND BENT REACTIONS**

Wall Loc	Col Line	± Reactions (k )				Bolt(in) Qty	Dia	Base_Plate(in)			
		Wind(k ) Horz	Wind(k ) Vert	Seismic(k ) Horz	Seismic(k ) Vert			Width	Length	Thick	
F_SW	D	3	2.6	3.8	1.2	1.7	2	0.750	6.000	8.125	0.500
F_SW	D	4	2.6	3.8	1.2	1.7	2	0.750	6.000	8.125	0.500

**BUILDING BRACING REACTIONS**

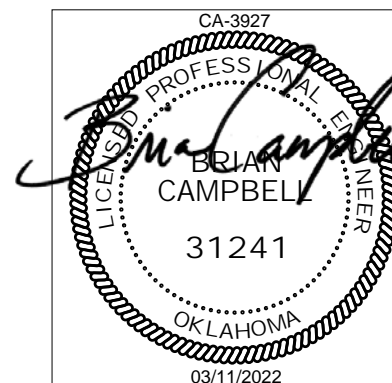
Wall Loc	Col Line	± Reactions(k )				Panel_Shear (lb/ft)		Note
		Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Wind	Seis	
L_EW	1					29	30	(a)
F_SW	D	3,4						
R_EW	6					29	30	
B_SW	A	3,2	5.2	3.7	2.3	1.7		

(a) Wind bent in bay

**LOAD COMBINATIONS**

ID	Description
1	Dead+Collateral+Live
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	0.6Dead+0.6Wind_Long1L
5	1.03Dead+1.03Collateral+0.75Live+0.53Seismic_LongR
6	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
7	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
8	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
9	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
10	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
11	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L

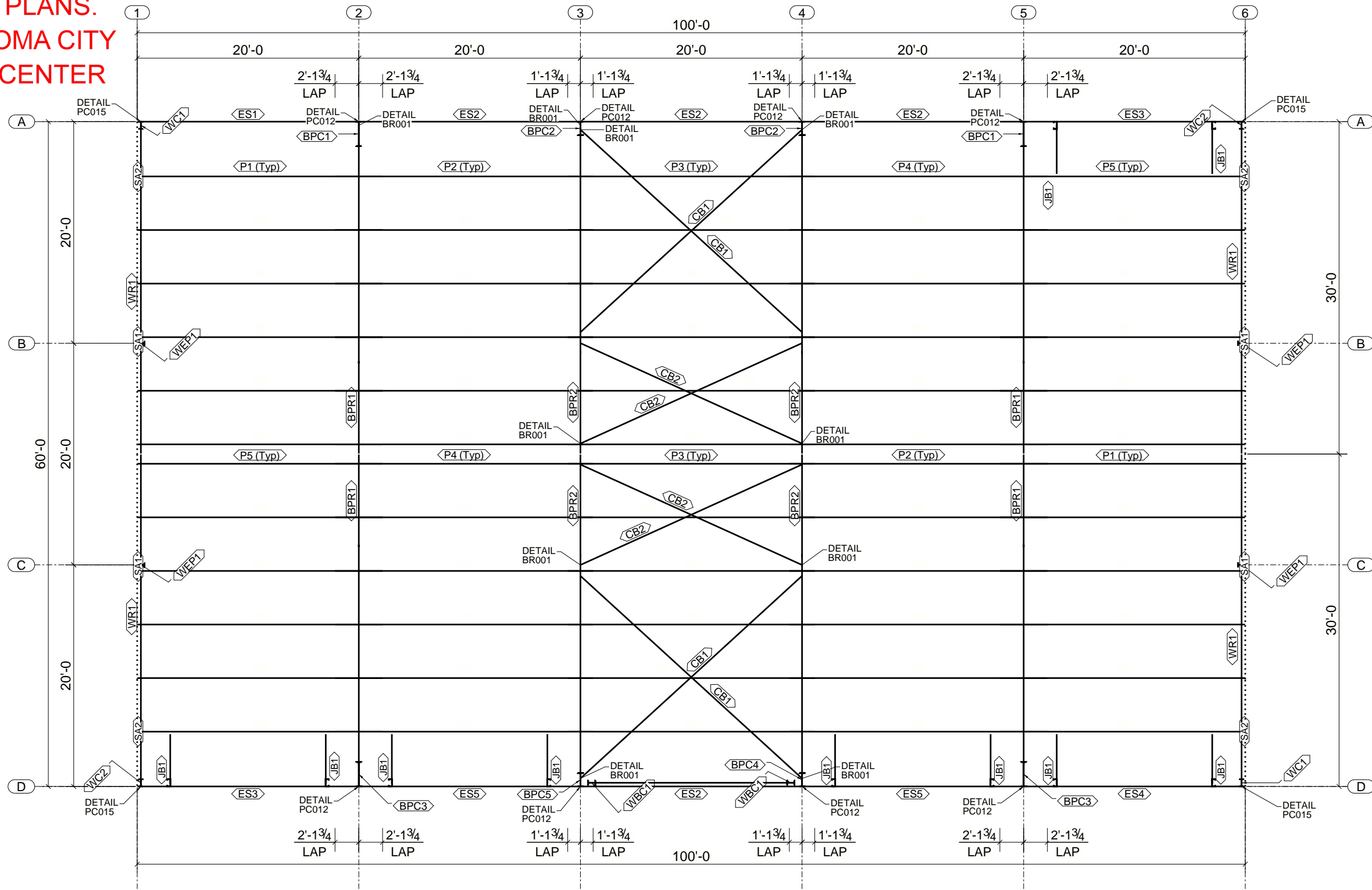
**THIS SHEET IS PART OF THE APPROVED PLANS. CITY OF OKLAHOMA CITY DEVELOPMENT CENTER**



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REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b>		
STEEL BUILDING SYSTEMS & COMPONENTS		
1913 Hutchins Ave. Ballinger, TX 76821		
(800) 527-1087		
DRAWING DESCRIPTION: REACTIONS		
CUSTOMER NAME: Deland Skinner		END USER: Deland Skinner
SALESMAN: Matthew Lovelady	JOBSITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
		JOB #: 6330878
	DWG #: AB4	REV: 0
		SCALE: NONE

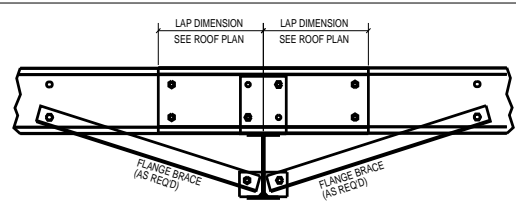


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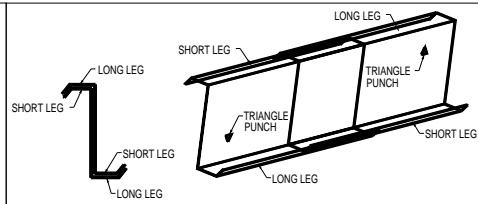


ROOF PLAN

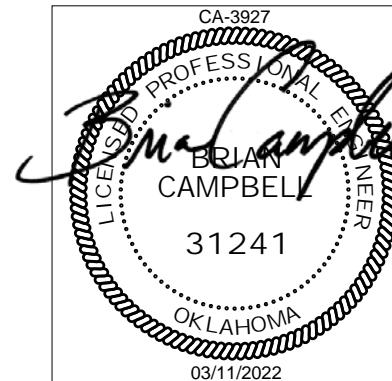
Bill of Materials				
Qty	Mark	Profile	Finish	Length
4	CB1	CB5/16D	GZ	25'-5 3/16"
4	CB2	CB1/4D	GZ	20'-2 1/8"
1	ES1	82E14DU-2	RO	19'-11 1/2"
4	ES2	82E14DU-2	RO	19'-11 1/2"
2	ES3	82E14DU-2	RO	19'-11 1/2"
1	ES4	82E14DU-2	RO	19'-11 1/2"
2	ES5	82E14DU-2	RO	19'-11 1/2"
10	JB1	2X2L12	RO	4'-9 1/2"
12	P1	8X25Z16	RO	22'-1 1/2"
12	P2	8X25Z16	RO	23'-3 1/2"
12	P3	8X25Z16	RO	22'-3 1/2"
12	P4	8X25Z16	RO	23'-3 1/2"
12	P5	8X25Z16	RO	22'-1 1/2"
4	SA1	L4X2x14GA	RO	20'-7 1/16"
4	SA2	L4X2x14GA	RO	9'-11 7/8"



ROOF PURLIN LAP DETAIL  
© DETAIL PC003 ONLY

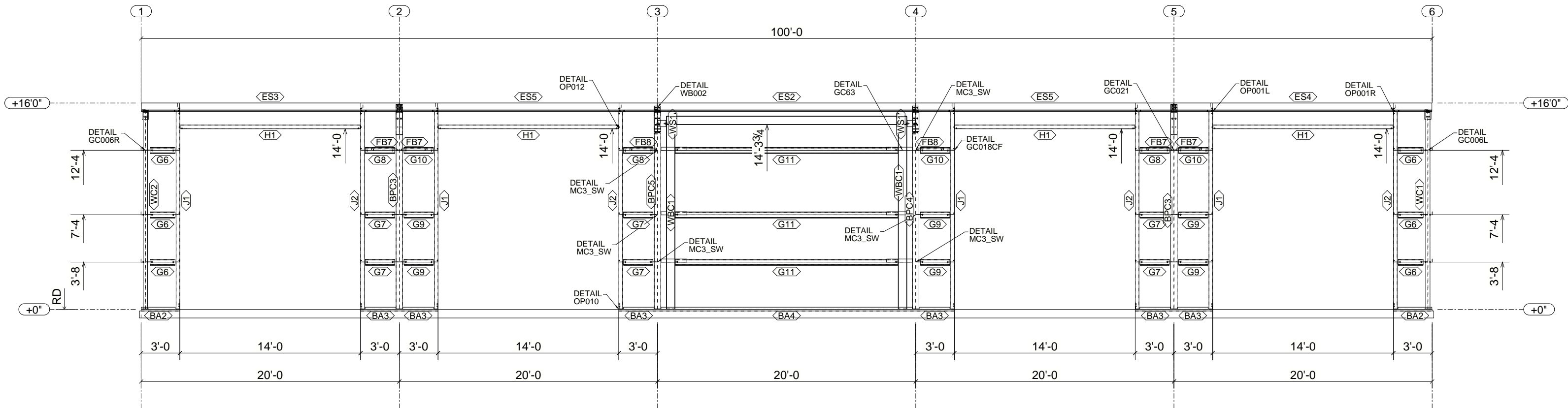


ZEE LAP ORIENTATION  
TRIANGLE PUNCHES AT ENDS OF ZEE MEMBERS ALWAYS POINT TO LONG LEG



0	03/11/2022	For Construction
REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b> STEEL BUILDING SYSTEMS & COMPONENTS 1913 Hutchins Ave. Ballinger, TX 76821 (800) 527-1087		
DRAWING DESCRIPTION: <b>ROOF PLAN</b>		
CUSTOMER NAME: <b>Deland Skinner</b>		END USER: <b>Deland Skinner</b>
SALESMAN: <b>Matthew Lovelady</b>		SCALE: <b>1:55</b>
DETAILER: <b>NSS</b>		JOB #: <b>6330878</b>
CHECKER: <b>JDZ</b>		DATE: <b>03/11/2022</b>
DWG #: <b>E1</b>		REV: <b>0</b>

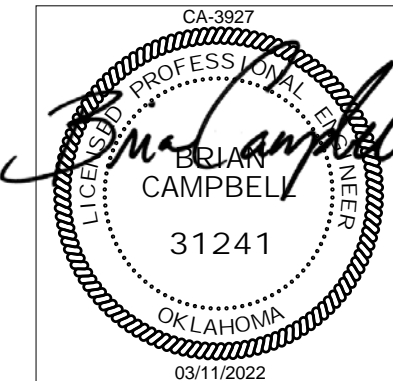
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DEVELOPMENT CENTER



WALL ELEVATION AT GRID D

Bill of Materials				
Qty	Mark	Profile	Finish	Length
2	WBC1	W8X18	RO	
1	WBR1	W8X18	RO	
2	WS1	W8X18	RO	0'-6"
2	BA2	L4X2x14GA	RO	2'-7 1/2"
6	BA3	L4X2x14GA	RO	2'-4 1/2"
1	BA4	L4X2x14GA	RO	19'-5 1/2"
4	FB7	2X2L12	RO	2'-6 11/16"
2	FB8	2X2L12	RO	2'-1 13/16"
6	G6	8X25Z16	RO	1'-11 5/16"
6	G7	8X25Z16	RO	2'-3 5/16"
3	G8	8X25Z16	RO	2'-3 5/16"
6	G9	8X25Z16	RO	2'-3 5/16"
3	G10	8X25Z16	RO	2'-3 5/16"
3	G11	8X25Z16	RO	17'-2 7/8"
4	H1	8X35C14	RO	13'-11 1/2"
4	J1	8X35C12	RO	15'-3 5/8"
4	J2	8X35C12	RO	15'-3 5/8"

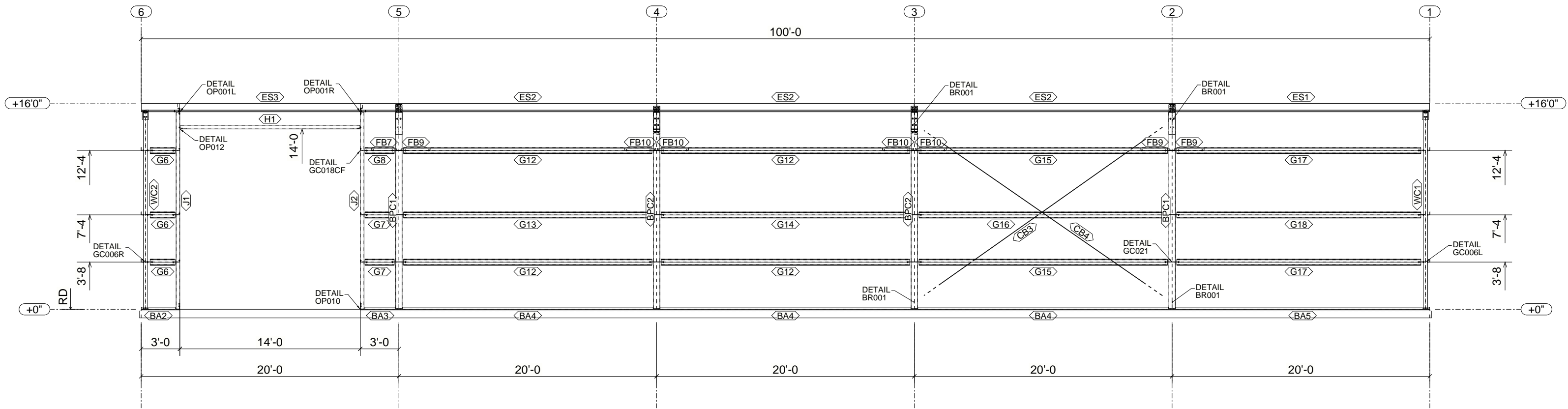
Wind Bent Connection Bolt Table			
Connected Assemblies		Bolt Description	
WS1	----->	BPC4	2 - 3/4" x 2 1/2" A325N
WS1	----->	BPC5	2 - 3/4" x 2 1/2" A325N
WS1	----->	WBC1	4 - 3/4" x 2 1/2" A325N
WBC1	----->	WBR1	8 - 3/4" x 2 1/2" A325N



0	03/11/2022	For Construction
REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b> STEEL BUILDING SYSTEMS & COMPONENTS 1913 Hutchins Ave. Ballinger, TX 76821 (800) 527-1087		
DRAWING DESCRIPTION: WALL ELEVATION AT GRID D		
CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: 1:40
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
	JOB #: 6330878	DWG #: E2
		REV: 0



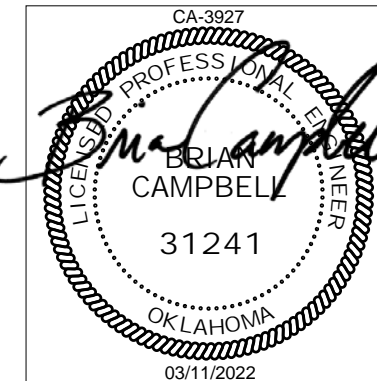
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WALL ELEVATION AT GRID A

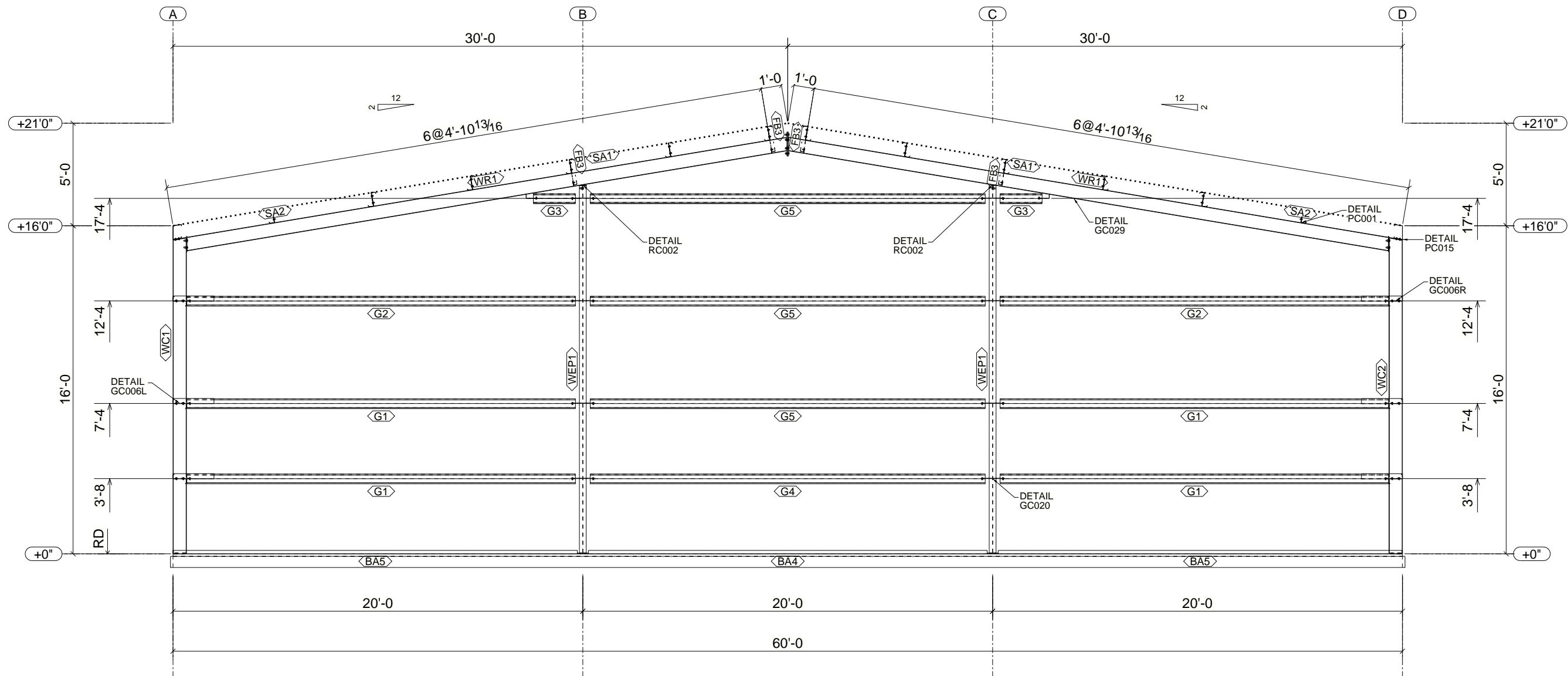
Bill of Materials

Qty	Mark	Profile	Finish	Length
1	BA2	L4X2x14GA	RO	2'-7 1/2"
1	BA3	L4X2x14GA	RO	2'-4 1/2"
3	BA4	L4X2x14GA	RO	19'-5 1/2"
1	BA5	L4X2x14GA	RO	19'-8 1/2"
1	CB3	CB5/16D	GZ	22'-7 13/16"
1	CB4	CB5/16D	GZ	22'-5 15/16"
1	FB7	2X2L12	RO	2'-6 11/16"
3	FB9	2X2L12	RO	2'-9 15/16"
4	FB10	2X2L12	RO	2'-5 11/16"
3	G6	8X25Z16	RO	1'-11 5/16"
2	G7	8X25Z16	RO	2'-3 5/16"
1	G8	8X25Z16	RO	2'-3 5/16"
4	G12	8X25Z16	RO	19'-3 3/8"
1	G13	8X25Z14	RO	19'-3 3/8"
1	G14	8X25Z12	RO	19'-3 3/8"
2	G15	8X25Z16	RO	19'-3 3/8"
1	G16	8X25Z14	RO	19'-3 3/8"
2	G17	8X25Z16	RO	18'-11 3/8"
1	G18	8X25Z14	RO	18'-11 3/8"
1	H1	8X35C14	RO	13'-11 1/2"
1	J1	8X35C12	RO	15'-3 5/8"
1	J2	8X35C12	RO	15'-3 5/8"



0	03/11/2022	For Construction
REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b> STEEL BUILDING SYSTEMS & COMPONENTS		
1913 Hutchins Ave. Ballinger, TX 76821 (800) 527-1087		
DRAWING DESCRIPTION: WALL ELEVATION AT GRID A		
CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: 1:40
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
	JOB #: 6330878	DWG #: E3
		REV: 0

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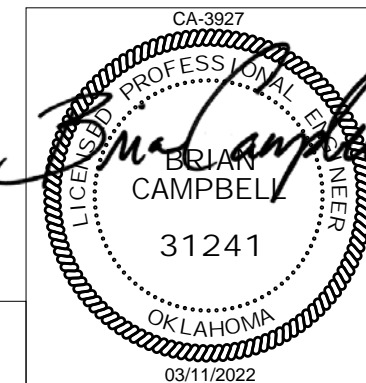


WALL ELEVATION AT GRID 1

Bill of Materials				
Qty	Mark	Profile	Finish	Length
1	WC1	W8X10	RO	
1	WC2	W8X10	RO	
2	WEP1	W8X10	RO	
2	WR1	W8X10	RO	
1	BA4	L4X2X14GA	RO	19'-5 1/2"
2	BA5	L4X2X14GA	RO	19'-8 1/2"
4	FB3	2X2L12	RO	2'-6"
4	G1	8X25Z16	RO	18'-11 9/16"
2	G2	8X25Z14	RO	18'-11 9/16"
2	G3	8X25Z16	RO	2'-0 5/8"
1	G4	8X25Z16	RO	19'-3 5/16"
3	G5	8X25Z14	RO	19'-3 5/16"

Component Bolt Table			
Detail ID	Bolted Parts	Bolt Description	
RC002	↓ ↓		
	WR1 → WEP1	2 - 5/8" x 2"	A325N

ALL ENDWALL COLUMNS AND JAMBS ARE DESIGNED AS "POSTS" AS DEFINED BY OSHA AND ARE NOT INTENDED TO BE CLIMBED ON UNTIL FULLY BRACED.



REV	DATE	DESCRIPTION
0	03/11/2022	For Construction

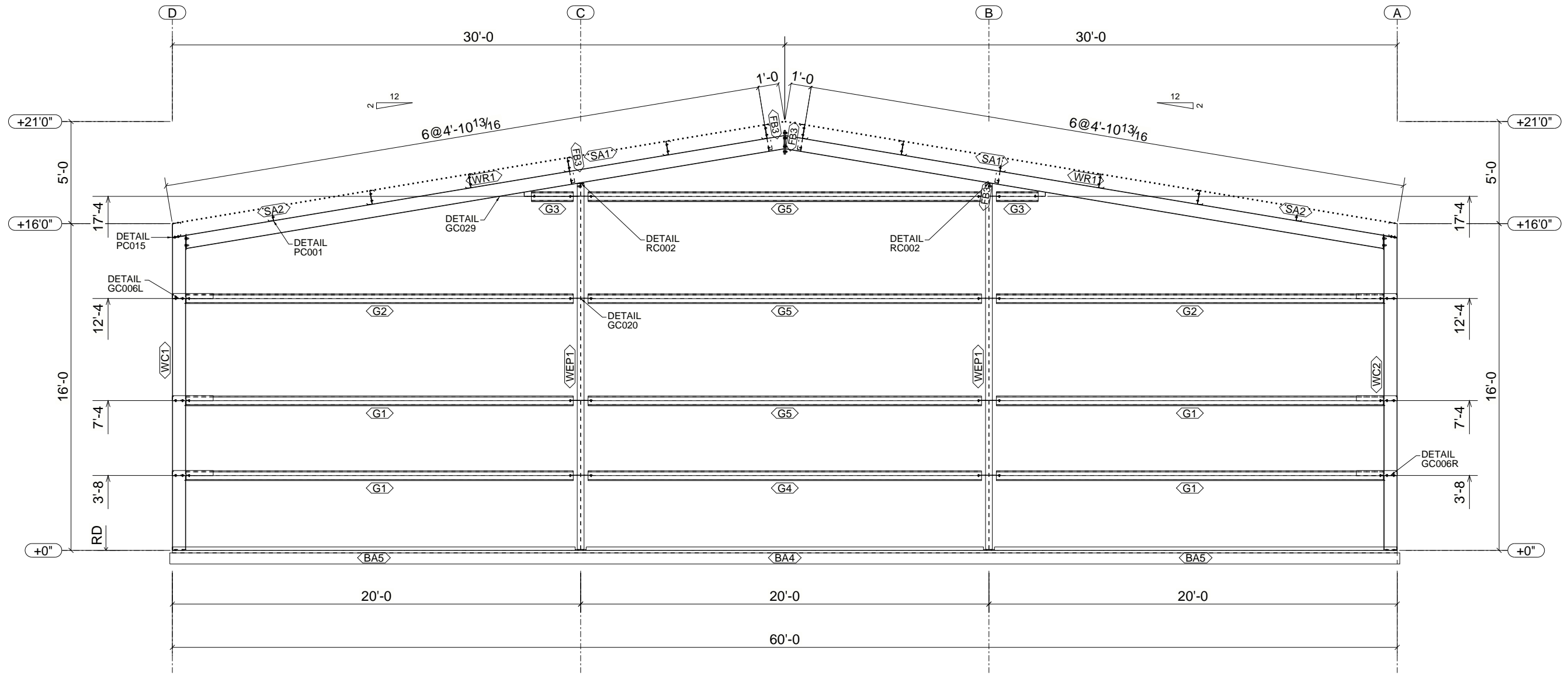
**MUELLER, INC.**  
STEEL BUILDING SYSTEMS & COMPONENTS  
1913 Hutchins Ave. Ballinger, TX 76821  
(800) 527-1087

DRAWING DESCRIPTION:  
WALL ELEVATION AT GRID 1

CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: 1:30
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
	JOB #: 6330878	DWG #: E4
		REV: 0



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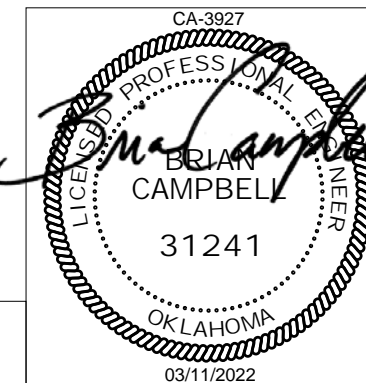


WALL ELEVATION AT GRID 6

Bill of Materials				
Qty	Mark	Profile	Finish	Length
1	WC1	W8X10	RO	
1	WC2	W8X10	RO	
2	WEP1	W8X10	RO	
2	WR1	W8X10	RO	
1	BA4	L4X2X14GA	RO	19'-5 1/2"
2	BA5	L4X2X14GA	RO	19'-8 1/2"
4	FB3	2X2L12	RO	2'-6"
4	G1	8X25Z16	RO	18'-11 9/16"
2	G2	8X25Z14	RO	18'-11 9/16"
2	G3	8X25Z16	RO	2'-0 5/8"
1	G4	8X25Z16	RO	19'-3 5/16"
3	G5	8X25Z14	RO	19'-3 5/16"

Component Bolt Table		
Detail ID	Bolted Parts	Bolt Description
RC002	↓ ↓	
	WR1 → WEP1	2 - 5/8" x 2" A325N

ALL ENDWALL COLUMNS AND JAMBS ARE DESIGNED AS "POSTS" AS DEFINED BY OSHA AND ARE NOT INTENDED TO BE CLIMBED ON UNTIL FULLY BRACED.



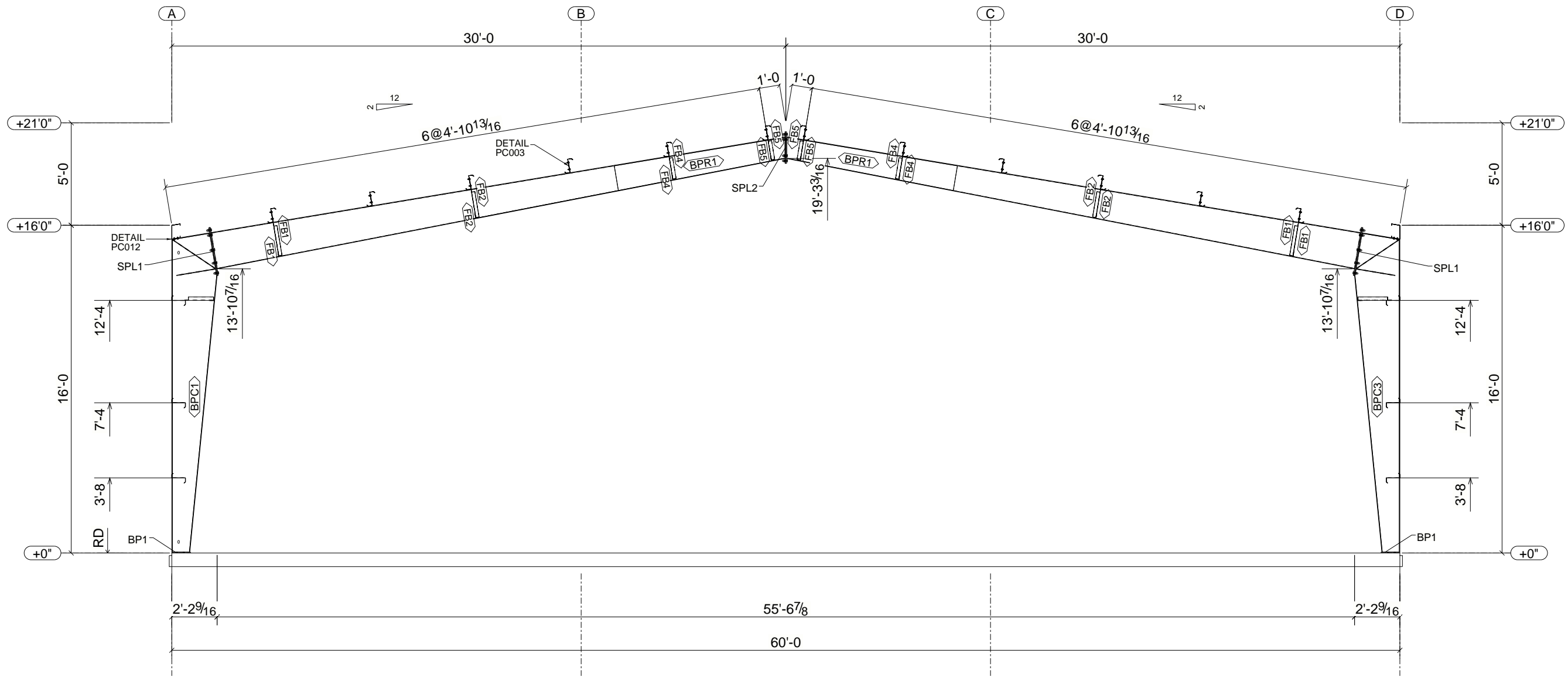
REV	DATE	DESCRIPTION
0	03/11/2022	For Construction

**MUELLER, INC.**  
STEEL BUILDING SYSTEMS & COMPONENTS  
1913 Hutchins Ave. Ballinger, TX 76821  
(800) 527-1087

DRAWING DESCRIPTION:  
WALL ELEVATION AT GRID 6

CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: 1:30
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
	JOB #: 6330878	DWG #: E5
		REV: 0

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FRAME ELEVATION ON GRID 2

**BUILT UP MEMBER TABLE**

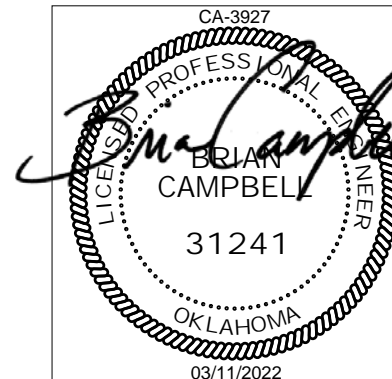
Mark	Type	Thick	x	Max Width	x	Length
BPC1		SHT10GAX26"		x 26	13/16"	
	IF	PL1/4"X6"		x 162	3/4"	
	OF	PL5/16"X6"		x 183	1/8"	
BPC3		SHT10GAX26"		x 26	13/16"	
	IF	PL1/4"X6"		x 162	3/4"	
	OF	PL5/16"X6"		x 183	1/8"	
BPR1		SHT10GAX14 5/8"		x 86	1/2"	
	IF	PL1/4"X6"		x 99	1/16"	
	IF	PL1/4"X6"		x 240"		
	OF	PL5/16"X6"		x 101"		
	OF	PL5/16"X6"		x 240"		
WB		SHT10GAX21"		x 239	1/2"	

**Bill of Materials**

Qty	Mark	Profile	Finish	Length
1	BPC1	SHT10GAX26"	RO	
2	BPC3	SHT10GAX26"	RO	
4	FB1	2X2L12	RO	3'-0"
4	FB2	2X2L12	RO	2'-10 3/16"
4	FB4	2X2L12	RO	2'-8 9/16"
4	FB5	2X2L12	RO	2'-7 13/16"

**Connection Plate and Bolt Table**

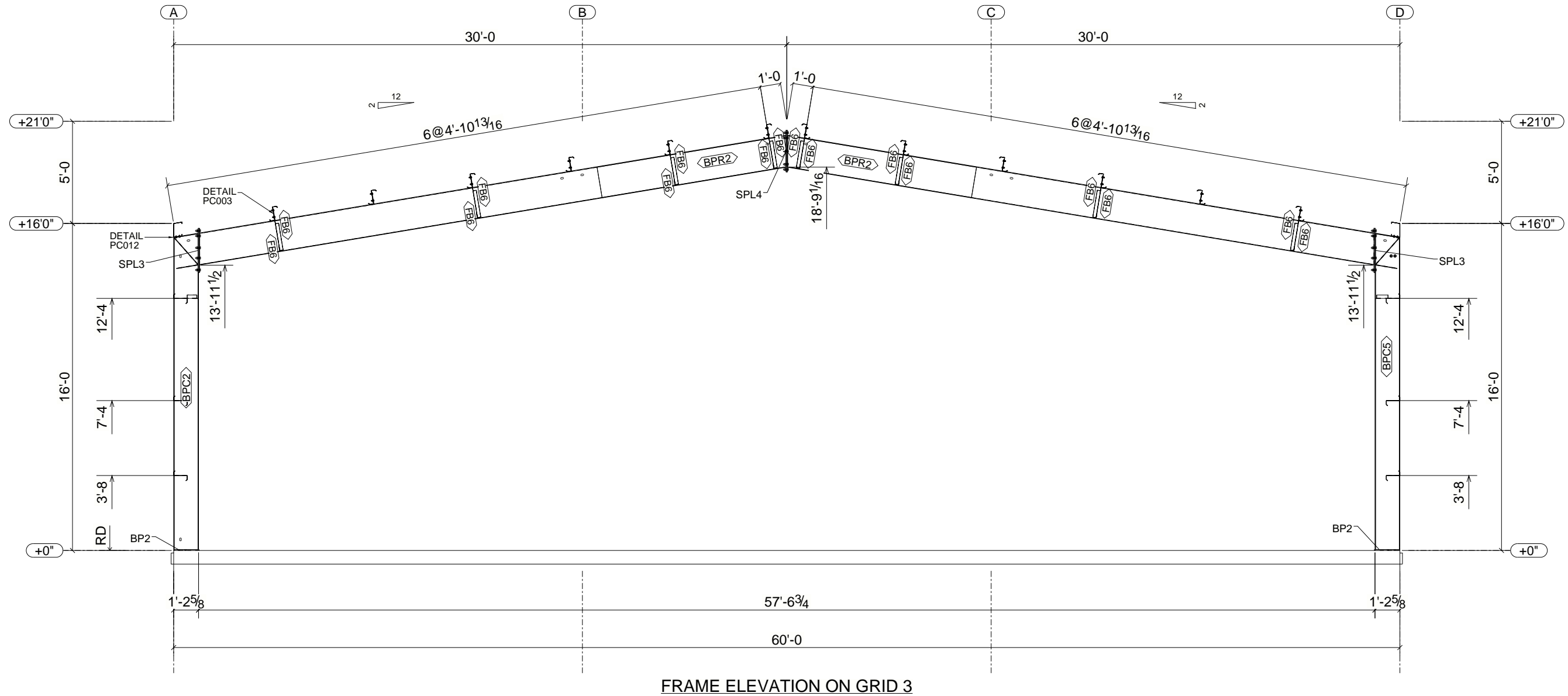
Mark	Plate Profile	Bolt Description
BP1	PL1/2"X6" x 11"	REF. AB PLAN
SPL1	PL1/2"X6" x 28 1/2"	10 ~ 3/4" x 2 1/2" A325N
SPL1	PL1/2"X6" x 28 1/2"	10 ~ 3/4" x 2 1/2" A325N
SPL2	PL1/2"X6" x 18 1/2"	8 ~ 3/4" x 2 1/2" A325N



0	03/11/2022	For Construction
REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b>		
STEEL BUILDING SYSTEMS & COMPONENTS		
1913 Hutchins Ave. Ballinger, TX 76821		
(800) 527-1087		
DRAWING DESCRIPTION: FRAME ELEVATION ON GRID 2		
CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: 1:30
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
	JOB #: 6330878	DWG #: E6
		REV: 0



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FRAME ELEVATION ON GRID 3

BUILT UP MEMBER TABLE

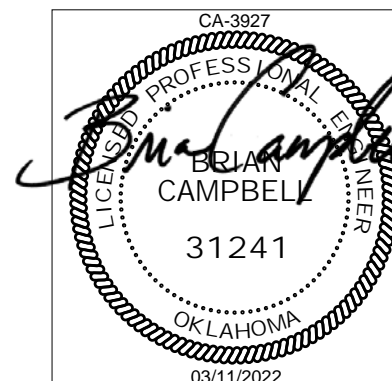
Mark	Type	Thick x Max Width x Length
BPC2		SHT10GAX14" x 15"
	IF	PL5/16"x6" x 162 11/16"
	OF	PL5/16"x6" x 183 1/8"
BPC5		SHT10GAX14" x 15"
	IF	PL5/16"x6" x 162 11/16"
	OF	PL5/16"x6" x 183 1/8"
BPR2		SHT10GAX18" x 85 7/8"
	IF	PL1/4"x6" x 240"
	IF	PL1/4"x6" x 108 7/8"
	OF	PL5/16"x6" x 240"
	OF	PL5/16"x6" x 108 7/8"
WB		SHT10GAX18" x 239 1/2"

Bill of Materials

Qty	Mark	Profile	Finish	Length
1	BPC2	SHT10GAX14"	RO	
1	BPC5	SHT10GAX14"	RO	
2	BPR2	SHT10GAX18"	RO	
16	FB6	2X2L12	RO	2'-10 3/4"

Connection Plate and Bolt Table

Mark	Plate Profile	Bolt Description
BP2	PL1/2"x6" x 15"	REF. AB PLAN
SPL3	PL1/2"x6" x 26"	10 ~ 3/4" x 2 1/2" A325N
SPL3	PL1/2"x6" x 26"	10 ~ 3/4" x 2 1/2" A325N
SPL4	PL1/2"x6" x 24 1/2"	10 ~ 3/4" x 2 1/2" A325N



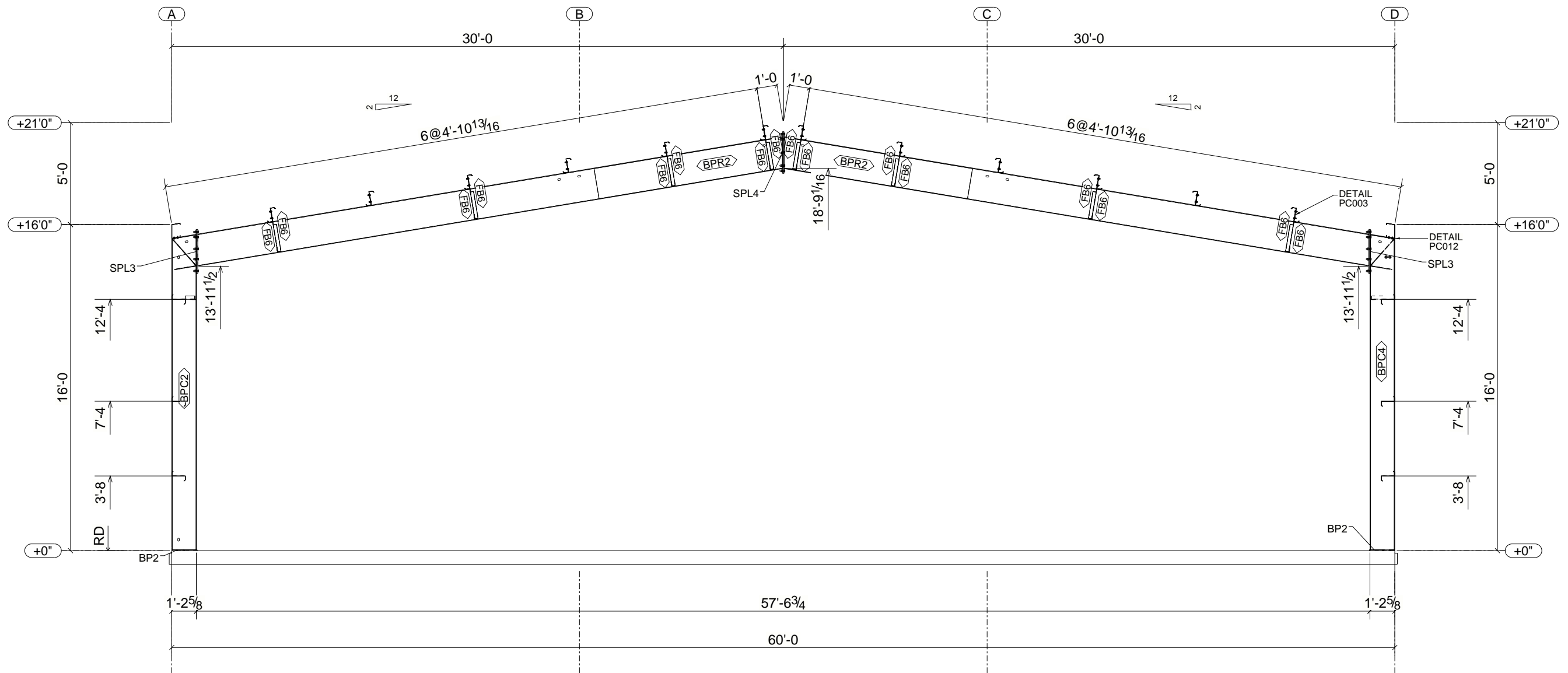
REV	DATE	DESCRIPTION
0	03/11/2022	For Construction

**MUELLER, INC.**  
STEEL BUILDING SYSTEMS & COMPONENTS  
1913 Hutchins Ave. Ballinger, TX 76821  
(800) 527-1087

DRAWING DESCRIPTION:  
FRAME ELEVATION ON GRID 3

CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: 1:30
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
	JOB #: 6330878	DWG #: E7
		REV: 0

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FRAME ELEVATION ON GRID 4

BUILT UP MEMBER TABLE

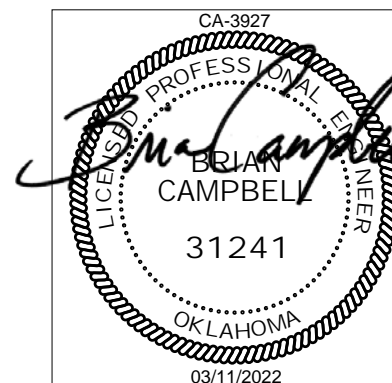
Mark	Type	Thick x Max Width x Length
BPC2		SHT10GAX14" x 15"
	IF	PL5/16"x6" x 162 11/16"
	OF	PL5/16"x6" x 183 1/8"
BPC4		SHT10GAX14" x 15"
	IF	PL5/16"x6" x 162 11/16"
	OF	PL5/16"x6" x 183 1/8"
BPR2		SHT10GAX18" x 85 7/8"
	IF	PL1/4"x6" x 240"
	IF	PL1/4"x6" x 108 7/8"
	OF	PL5/16"x6" x 240"
	OF	PL5/16"x6" x 108 7/8"
WB		SHT10GAX18" x 239 1/2"

Bill of Materials

Qty	Mark	Profile	Finish	Length
1	BPC2	SHT10GAX14"	RO	
1	BPC4	SHT10GAX14"	RO	
2	BPR2	SHT10GAX18"	RO	
16	FB6	2X2L12	RO	2'-10 3/4"

Connection Plate and Bolt Table

Mark	Plate Profile	Bolt Description
BP2	PL1/2"x6" x 15"	REF. AB PLAN
SPL3	PL1/2"x6" x 26"	10 - 3/4" x 2 1/2" A325N
SPL3	PL1/2"x6" x 26"	10 - 3/4" x 2 1/2" A325N
SPL4	PL1/2"x6" x 24 1/2"	10 - 3/4" x 2 1/2" A325N



REV	DATE	DESCRIPTION
0	03/11/2022	For Construction

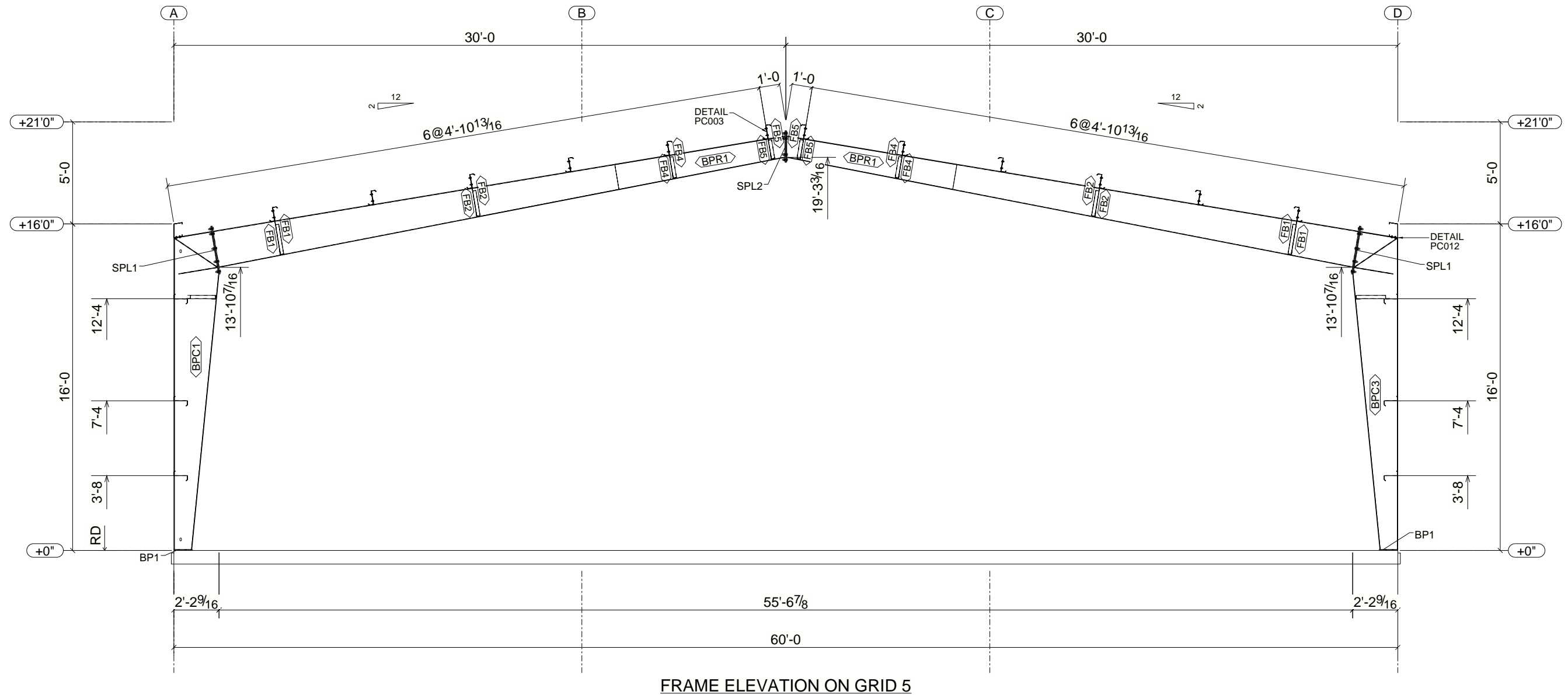
**MUELLER, INC.**  
STEEL BUILDING SYSTEMS & COMPONENTS  
1913 Hutchins Ave. Ballinger, TX 76821  
(800) 527-1087

DRAWING DESCRIPTION:  
FRAME ELEVATION ON GRID 4

CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: 1:30
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
	JOB #: 6330878	DWG #: E8
		REV: 0



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FRAME ELEVATION ON GRID 5

**BUILT UP MEMBER TABLE**

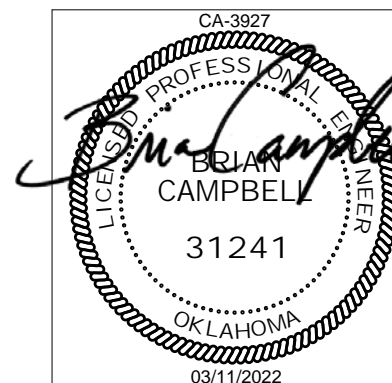
Mark	Type	Thick x Max Width x Length
BPC1		SHT10GAX26" x 26 13/16"
	IF	PL1/4"X6" x 162 3/4"
	OF	PL5/16"X6" x 183 1/8"
BPC3		SHT10GAX26" x 26 13/16"
	IF	PL1/4"X6" x 162 3/4"
	OF	PL5/16"X6" x 183 1/8"
BPR1		SHT10GAX14 5/8" x 86 1/2"
	IF	PL1/4"X6" x 99 1/16"
	IF	PL1/4"X6" x 240"
	OF	PL5/16"X6" x 101"
	OF	PL5/16"X6" x 240"
WB		SHT10GAX21" x 239 1/2"

**Bill of Materials**

Qty	Mark	Profile	Finish	Length
1	BPC1	SHT10GAX26"	RO	
1	BPC3	SHT10GAX26"	RO	
2	BPR1	SHT10GAX14 5/8"	RO	
4	FB1	2X2L12	RO	2'-11 15/16"
4	FB2	2X2L12	RO	2'-10 1/8"
4	FB4	2X2L12	RO	2'-8 1/2"
4	FB5	2X2L12	RO	2'-7 13/16"

**Connection Plate and Bolt Table**

Mark	Plate Profile	Bolt Description
BP1	PL1/2"X6" x 11"	REF. AB PLAN
SPL1	PL1/2"X6" x 28 1/2"	10 ~ 3/4" x 2 1/2" A325N
SPL1	PL1/2"X6" x 28 1/2"	10 ~ 3/4" x 2 1/2" A325N
SPL2	PL1/2"X6" x 18 1/2"	8 ~ 3/4" x 2 1/2" A325N

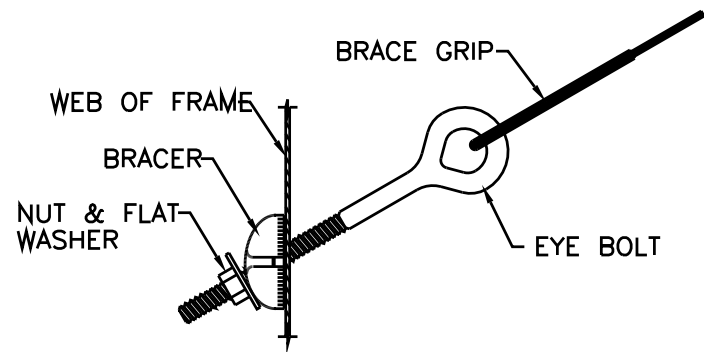


REV	DATE	DESCRIPTION
0	03/11/2022	For Construction

**MUELLER, INC.**  
STEEL BUILDING SYSTEMS & COMPONENTS  
1913 Hutchins Ave. Ballinger, TX 76821  
(800) 527-1087

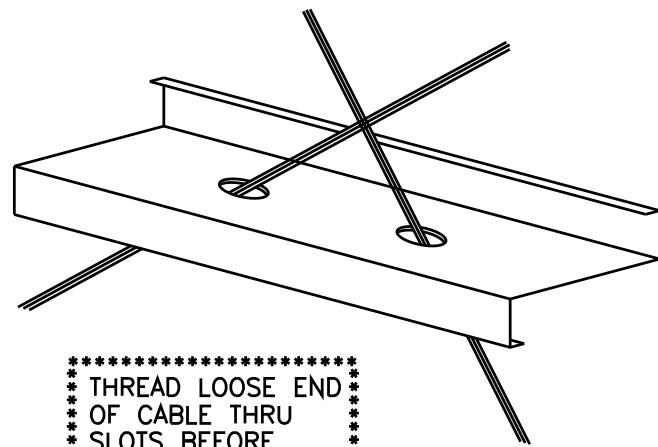
DRAWING DESCRIPTION:  
**FRAME ELEVATION ON GRID 5**

CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: 1:30
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
	JOB #: 6330878	DWG #: E9
		REV: 0



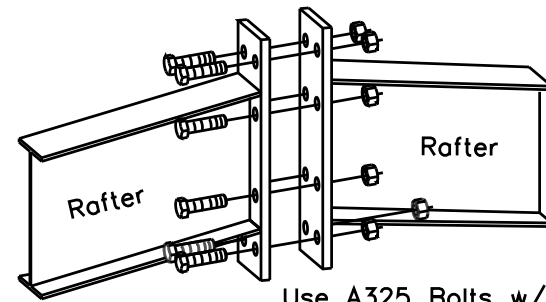
\*\*\*\*\*  
 \* Cable to be installed as shown and tensioned \*  
 \* so that building will not sway or rock when \*  
 \* wind blows. Care should be taken: however, to \*  
 \* not over-tighten and bend structural members. \*  
 \*\*\*\*\*

**BR001** CABLE TO COLUMN OR RAFTER WEB WITH EYEBOLT ATTACHMENT



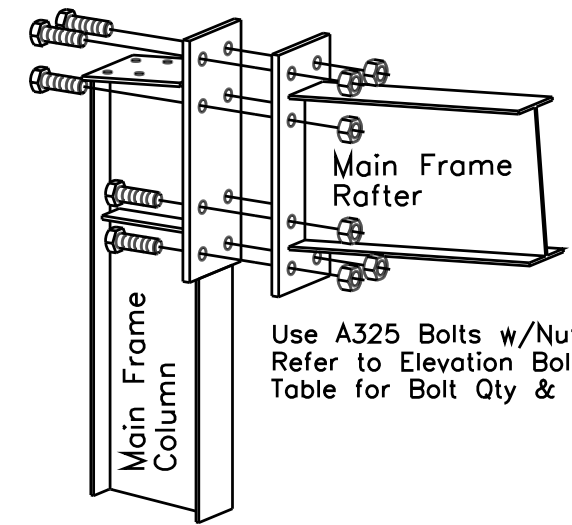
\*\*\*\*\*  
 \* THREAD LOOSE END \*  
 \* OF CABLE THRU \*  
 \* SLOTS BEFORE \*  
 \* ATTACHING CC-1 \*  
 \* CLIP OR EYEBOLTS \*  
 \*\*\*\*\*

TYPICAL CABLE BRACE SLOT IN GIRT



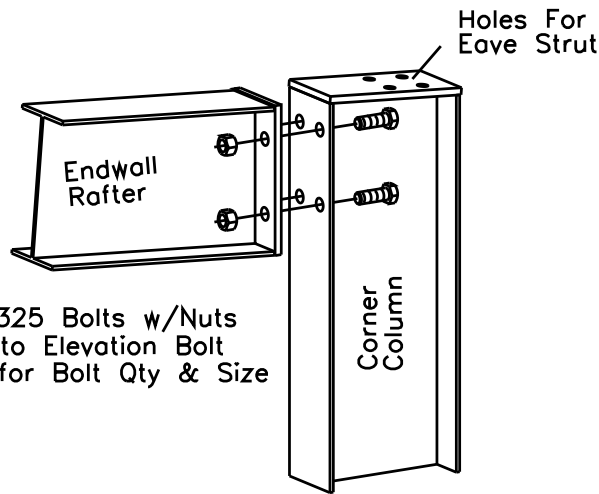
Use A325 Bolts w/Nuts  
 Refer to Elevation Bolt Table for Bolt Qty & Size

TYPICAL RAFTER SPLICE CONNECTION AT PEAK



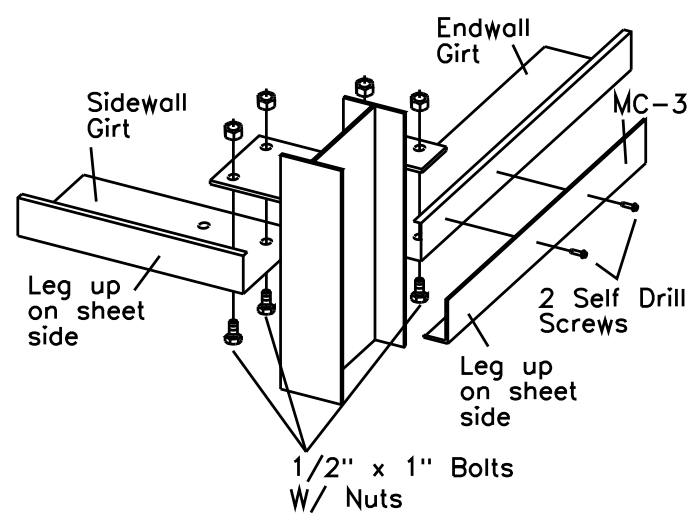
Use A325 Bolts w/Nuts  
 Refer to Elevation Bolt Table for Bolt Qty & Size

TYPICAL FLUSH COLUMN TO MAINFRAME RAFTER

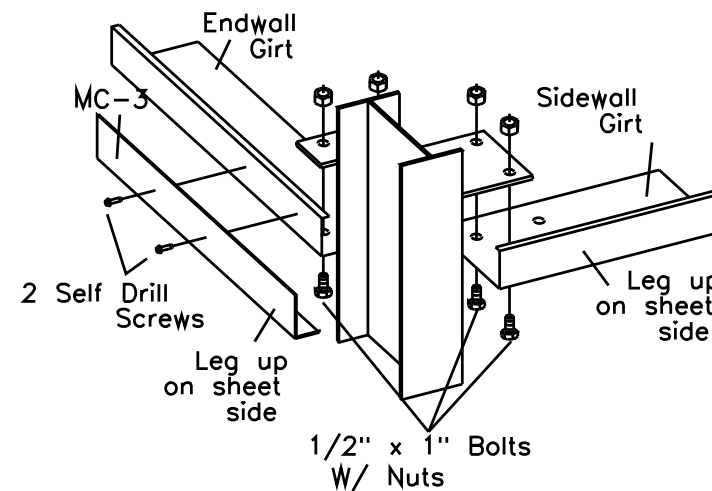


Use A325 Bolts w/Nuts  
 Refer to Elevation Bolt Table for Bolt Qty & Size

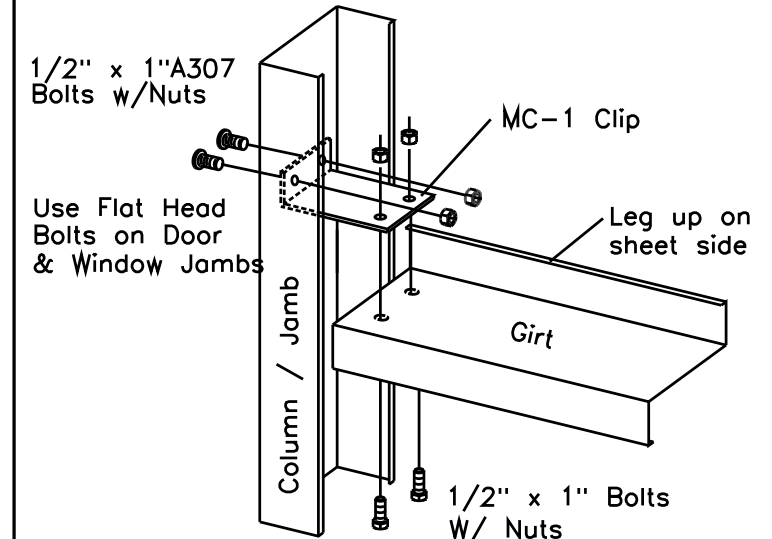
TYPICAL FLUSH CORNER COLUMN TO STANDARD ENDWALL RAFTER



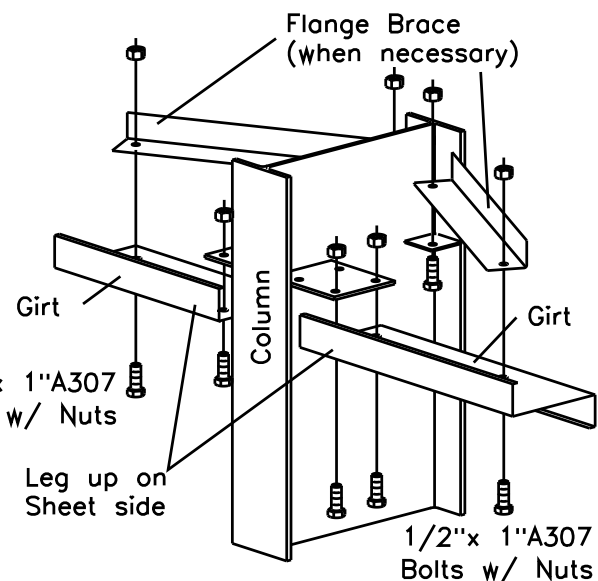
**GC006L** CORNER COLUMN TO WALL GIRTS



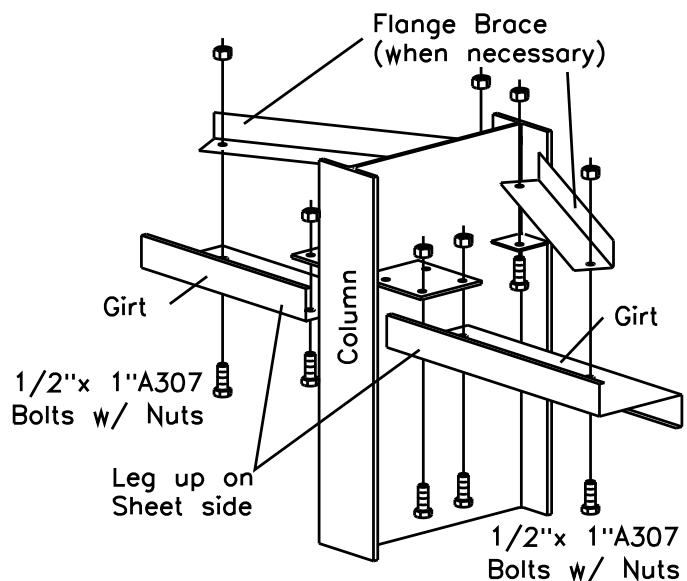
**GC006R** CORNER COLUMN TO WALL GIRTS



**GC018CF** JAMB / COLUMN TO WALL GIRT



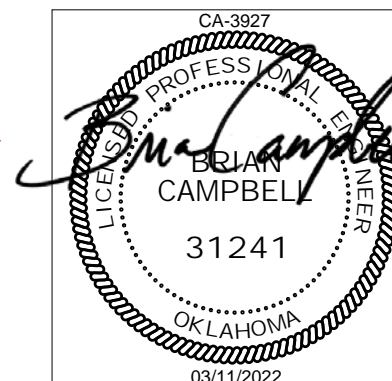
**GC020** INTERIOR COLUMN TO WALL GIRT



**GC021** INTERIOR COLUMN TO WALL GIRT

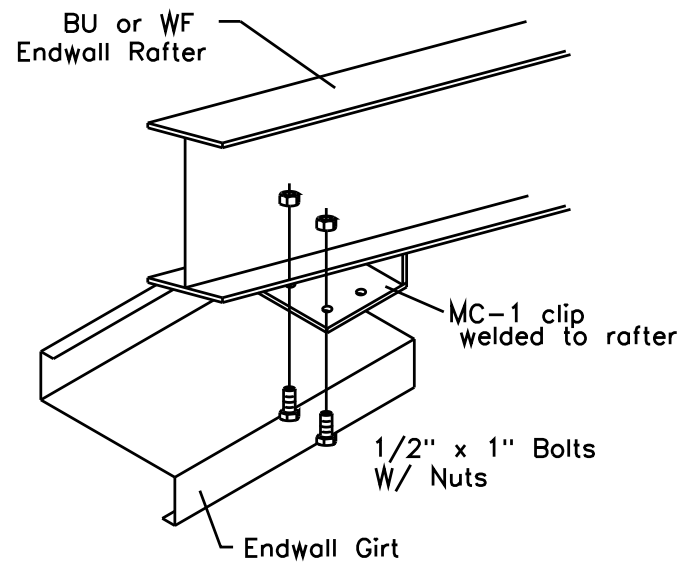
ALL A325 STRUCTURAL BOLT CONNECTIONS SHOWN IN THESE DETAILS HAVE STANDARD MINIMUM BOLT INFORMATION. FOR SPECIFIC BOLT QUANTITIES AND SIZES, REFER TO COMPONENT BOLT TABLES LOCATED ON FRAME AND WALL ELEVATION DWGS.

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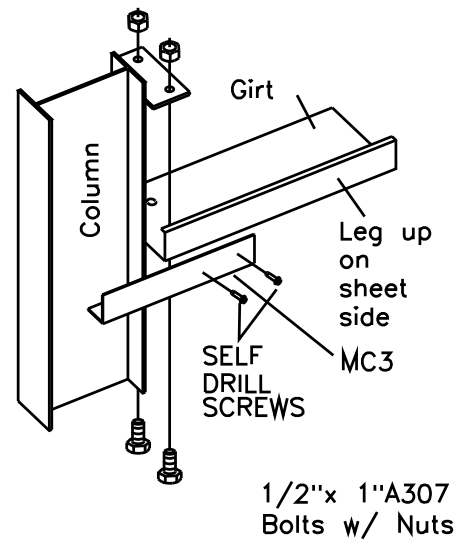


0	03/11/2022	For Construction
REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b>		
STEEL BUILDING SYSTEMS & COMPONENTS		
1913 Hutchins Ave. Ballinger, TX 76821		
(800) 527-1087		
DRAWING DESCRIPTION: ERECTION DETAILS		
CUSTOMER NAME: Deland Skinner		END USER: Deland Skinner
SALESMAN: Deland Skinner	JOB SITE ADDRESS: Carnegie, OK 73015	SCALE: NONE
DETAILER: Matthew Lovelady	CHECKER: JDZ	DATE: 03/11/2022
NSS	JDZ	JOB #: 6330878
		DWG #: E101
		REV: 0



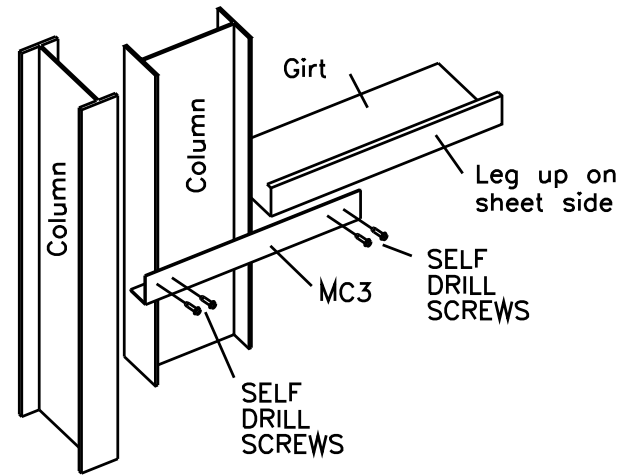


**GC029** ENDWALL GIRT TO RAFTER

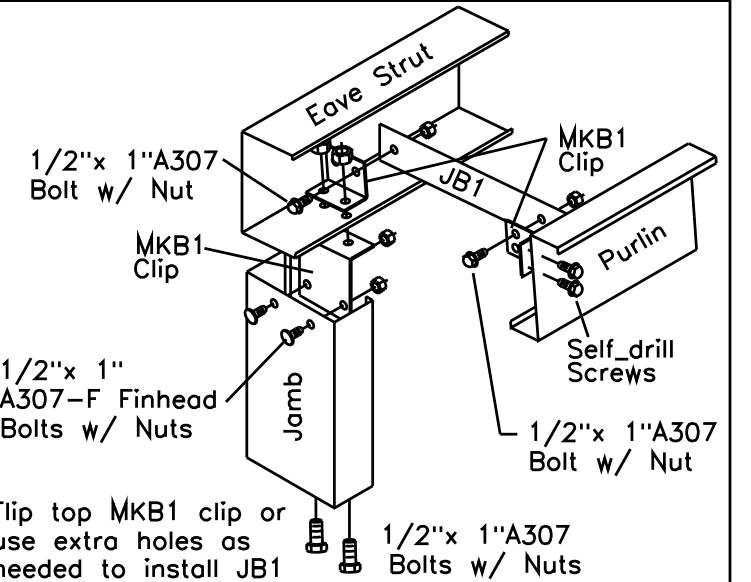


**GC63** COLUMN TO WALL GIRT

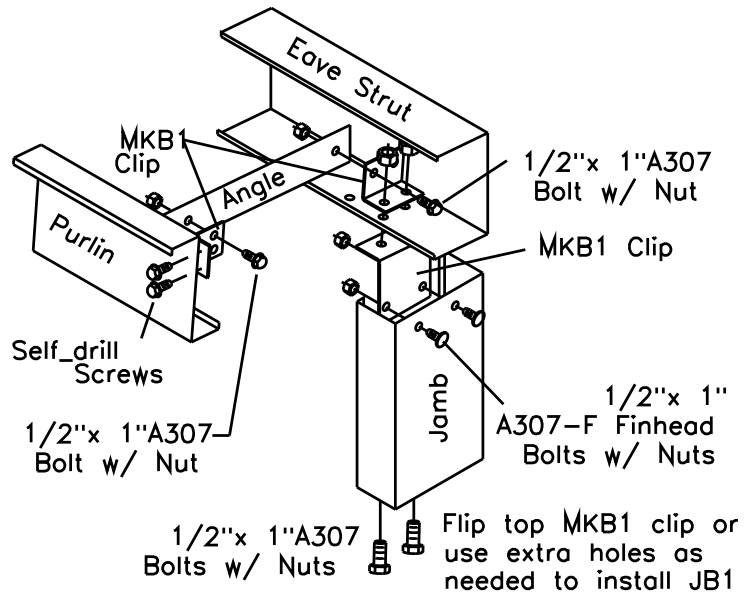
ATTACH PROVIDED MC3 ANGLE AS NEEDED TO FILL GAPS WHERE SHEETS NEED SCREW SUPPORT



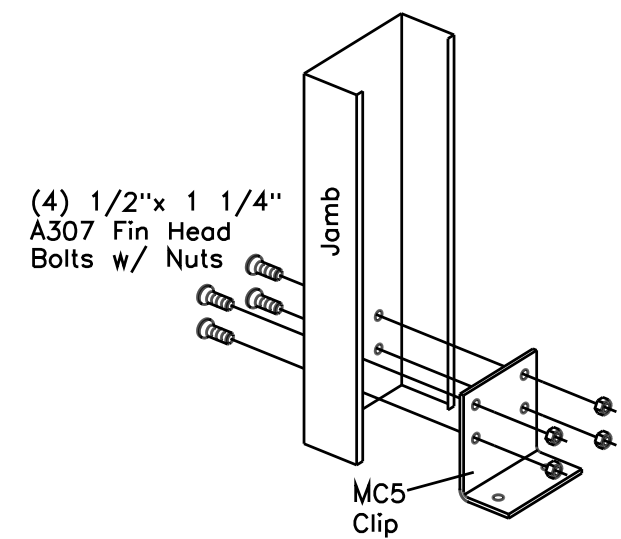
**MC3\_SW** ADDING MC3 FILLER ANGLE



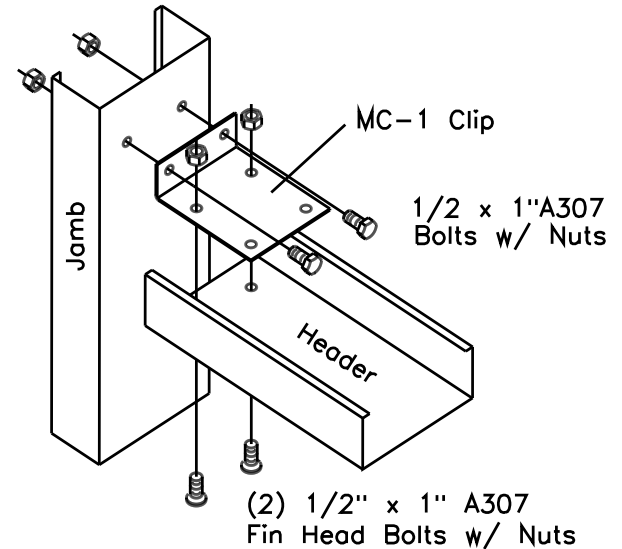
**OP001L** JAMB TO EAVE STRUT WITH ANGLE BRACE



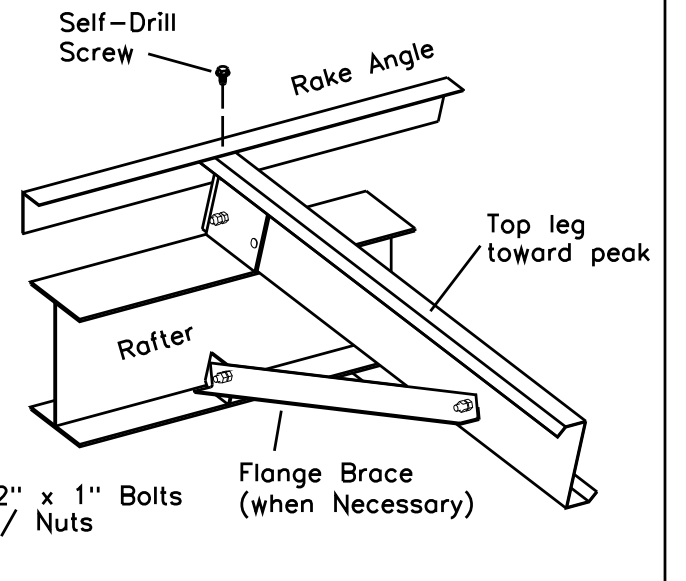
**OP001R** JAMB TO EAVE STRUT WITH ANGLE BRACE



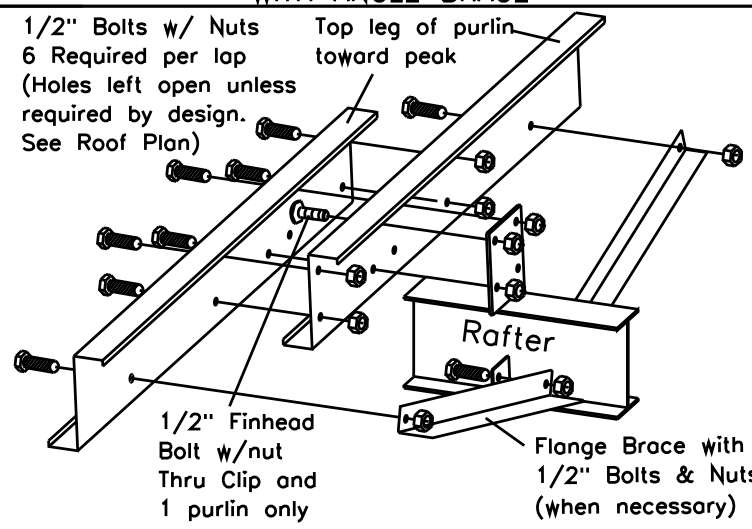
**OP010** BASE TO JAMB



**OP012** HEADER TO JAMB

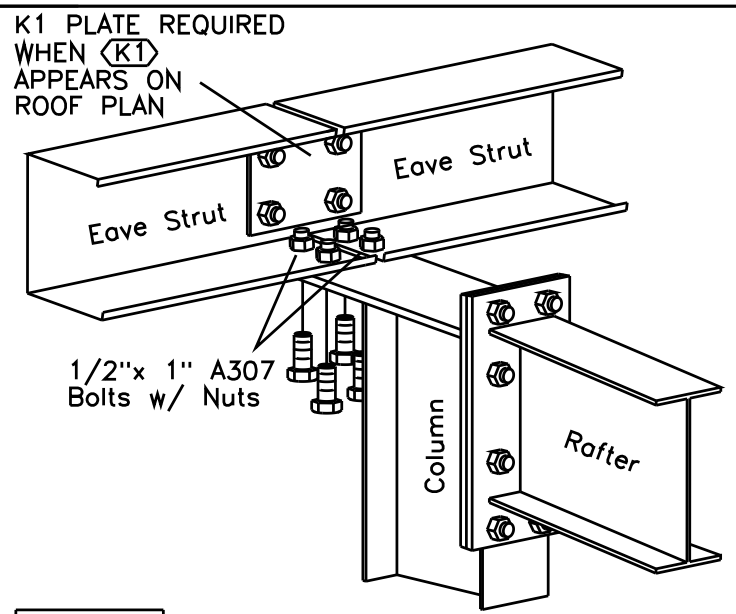


**PC001** ENDWALL RAFTER TO ROOF PURLIN



FOR SPECIFIC FLANGE BRACE ATTACHMENT TO PURLIN \*\* SEE PURLIN LAP DETAIL ON ROOF PLAN \*\*

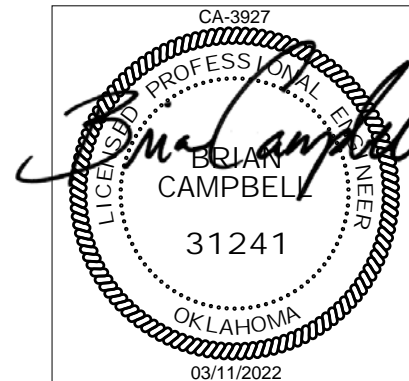
**PC003** INTERIOR RAFTER TO ROOF PURLIN



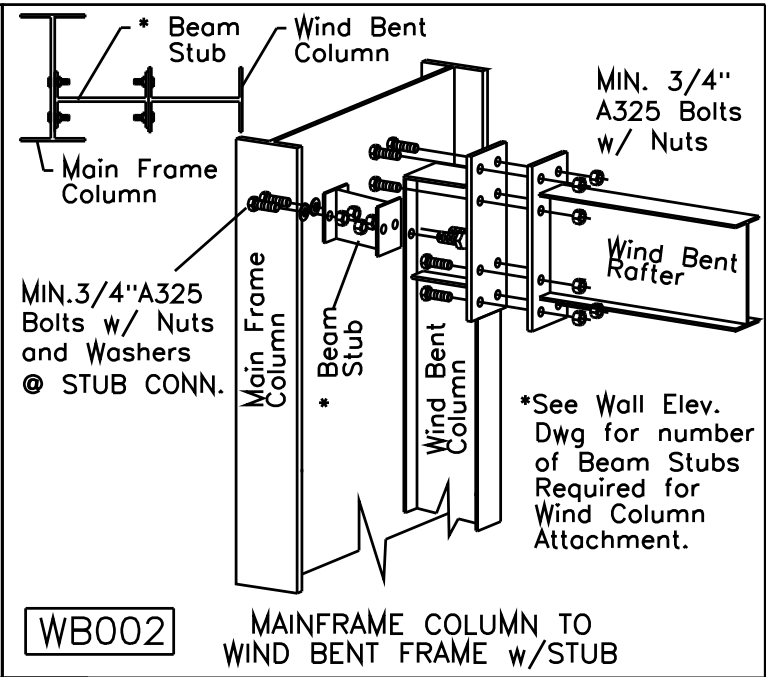
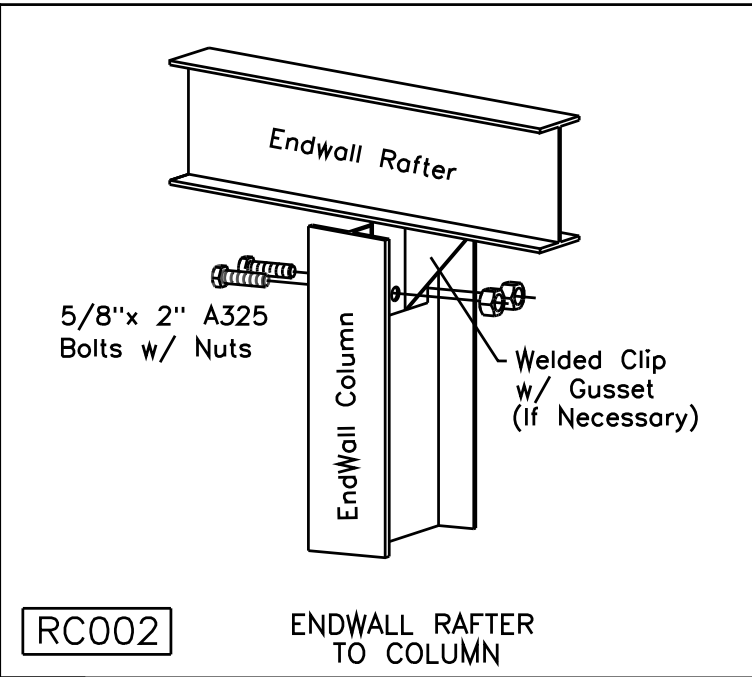
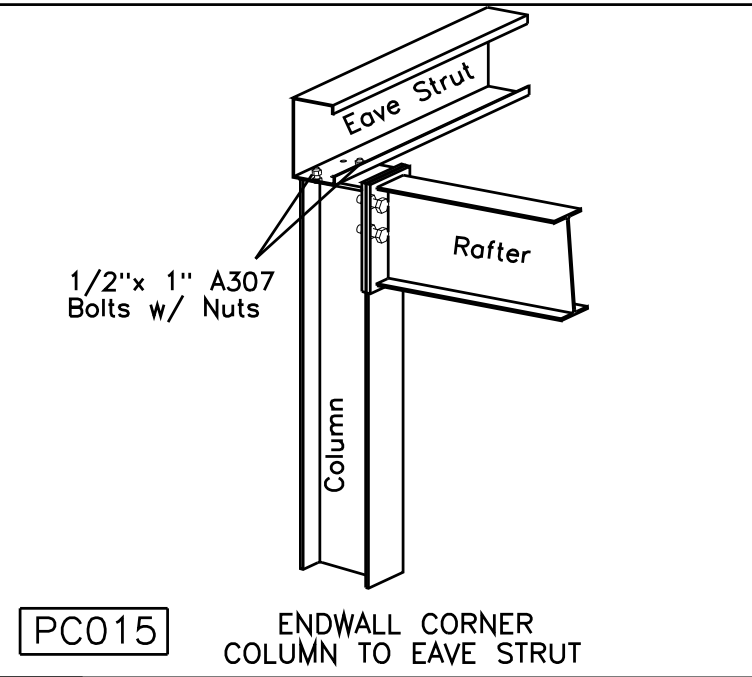
**PC012** INTERIOR FRAME COLUMN TO EAVE STRUTS

ALL A325 STRUCTURAL BOLT CONNECTIONS SHOWN IN THESE DETAILS HAVE STANDARD MINIMUM BOLT INFORMATION. FOR SPECIFIC BOLT QUANTITIES AND SIZES, REFER TO COMPONENT BOLT TABLES LOCATED ON FRAME AND WALL ELEVATION DWGS.

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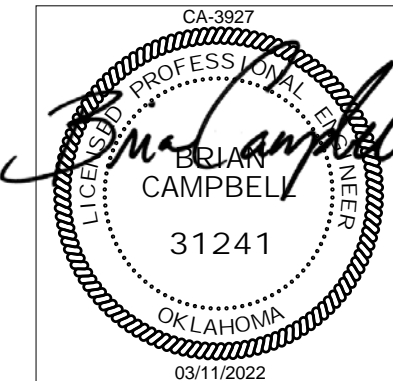


0	03/11/2022	For Construction
REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b>		
STEEL BUILDING SYSTEMS & COMPONENTS		
1913 Hutchins Ave. Ballinger, TX 76821		
(800) 527-1087		
DRAWING DESCRIPTION: ERECTION DETAILS		
CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: NONE
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
		JOB #: 6330878
		DWG #: E102
		REV: 0



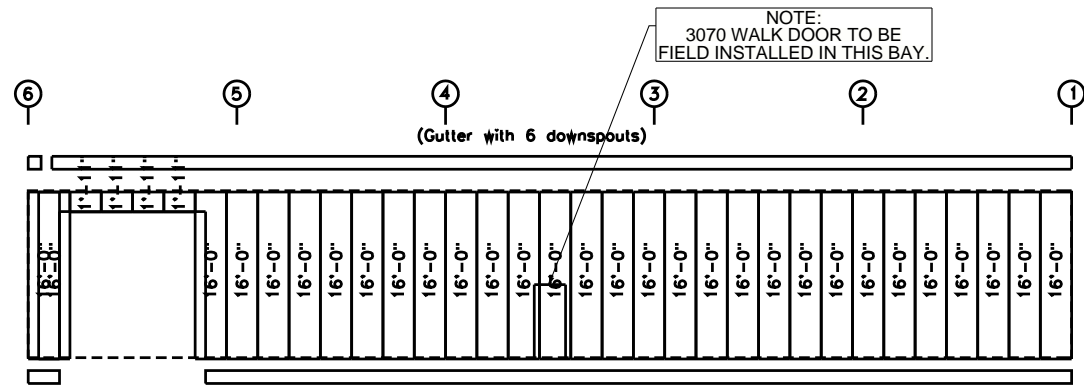
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CITY OF OKLAHOMA CITY  
DEVELOPMENT CENTER

ALL A325 STRUCTURAL BOLT CONNECTIONS SHOWN  
IN THESE DETAILS HAVE STANDARD MINIMUM BOLT  
INFORMATION. FOR SPECIFIC BOLT QUANTITIES  
AND SIZES, REFER TO COMPONENT BOLT TABLES  
LOCATED ON FRAME AND WALL ELEVATION DWGS.

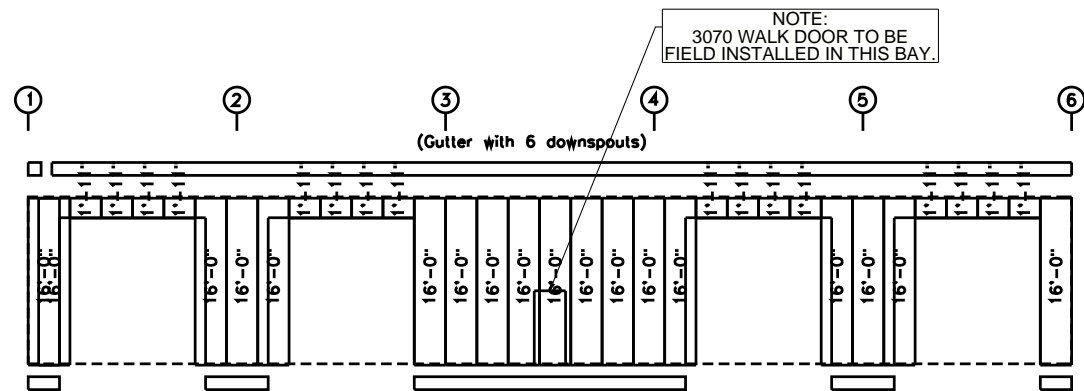


0	03/11/2022	For Construction
REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b> STEEL BUILDING SYSTEMS & COMPONENTS 1913 Hutchins Ave. Ballinger, TX 76821 (800) 527-1087		
DRAWING DESCRIPTION: <b>ERECTION DETAILS</b>		
CUSTOMER NAME: Deland Skinner		END USER: Deland Skinner
SALESMAN: Matthew Lovelady	JOBSITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
JOB # 6330878		DWG # E103
REV. 0		

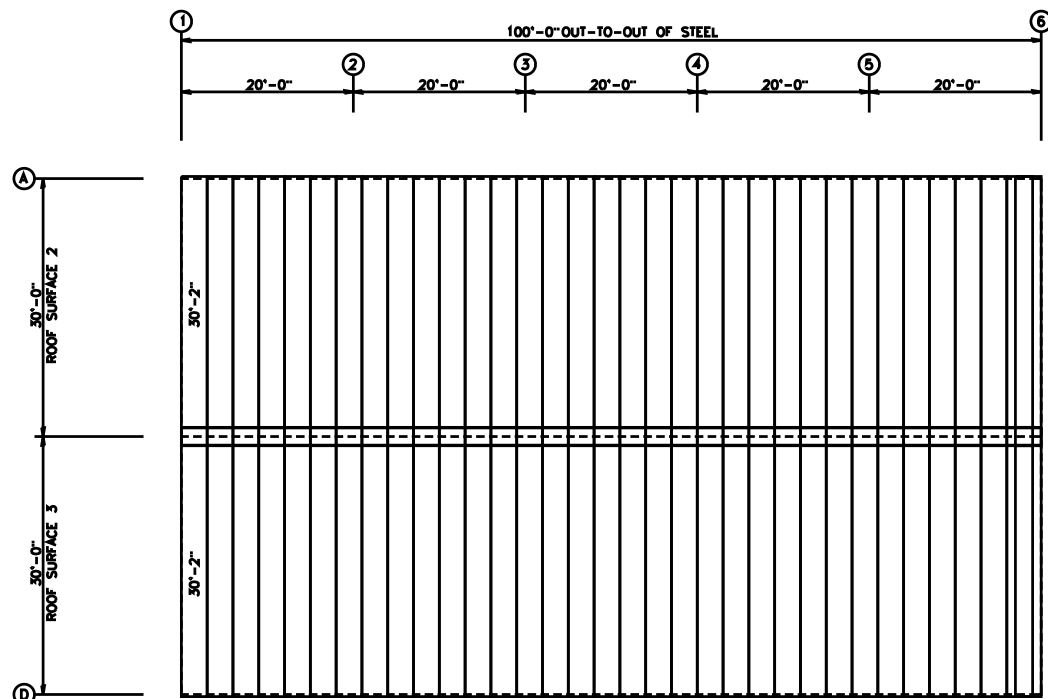




SIDEWALL SHEETING & TRIM: FRAME LINE A  
 PANELS: 26 Co. R - LGR Lt Gray



SIDEWALL SHEETING & TRIM: FRAME LINE D  
 PANELS: 26 Co. R - LGR Lt Gray



ROOF SHEETING PLAN  
 PANELS: 26 Co. PBR - GP Colvolute Plus

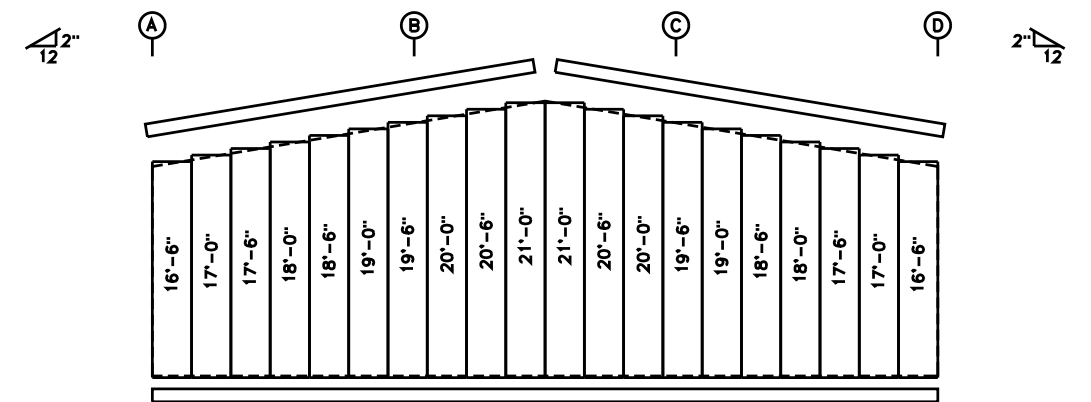
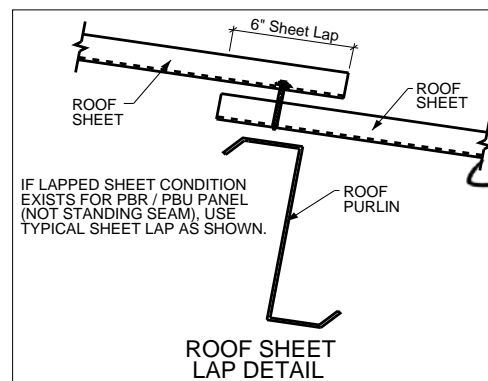
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GENERAL NOTES:

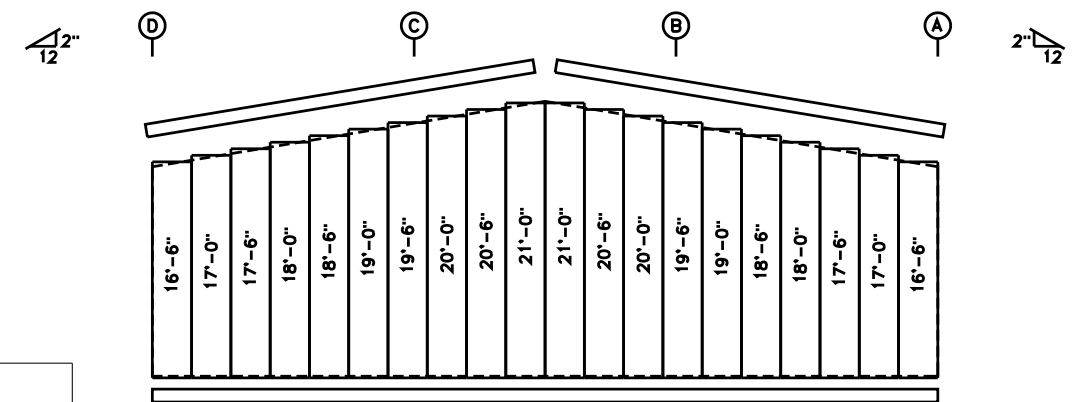
**\*\*CAUTION\*\***  
 THE FOLLOWING MAXIMUM ADDITIONAL LINEAR FOOTAGE MEASURED (HORIZONTALLY) OF PANELS MAY BE REMOVED FOR FIELD LOCATED FRAMED OPENINGS WITHOUT AFFECTING THE DIAPHRAGM STRENGTH OF THE PANELS.

LEFT ENDWALL: 0  
 RIGHT ENDWALL: 0

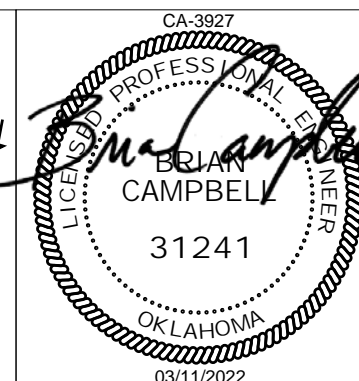
ROOF SLOPES GREATER THAN 1:12 REQUIRE ENDWALL PANELS BE FIELD CUT TO MATCH ROOF SLOPE.



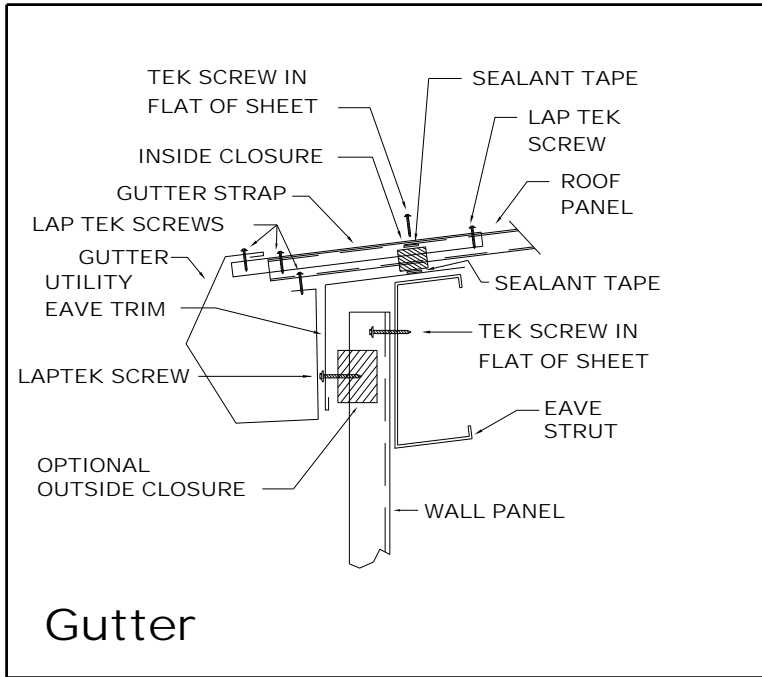
ENDWALL SHEETING & TRIM: FRAME LINE 1  
 PANELS: 26 Co. R - LGR Lt Gray



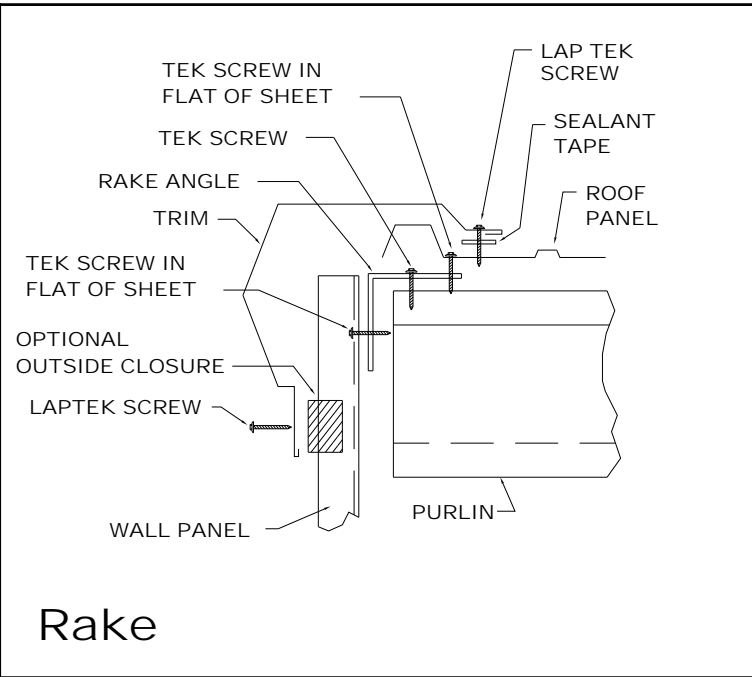
ENDWALL SHEETING & TRIM: FRAME LINE 6  
 PANELS: 26 Co. R - LGR Lt Gray



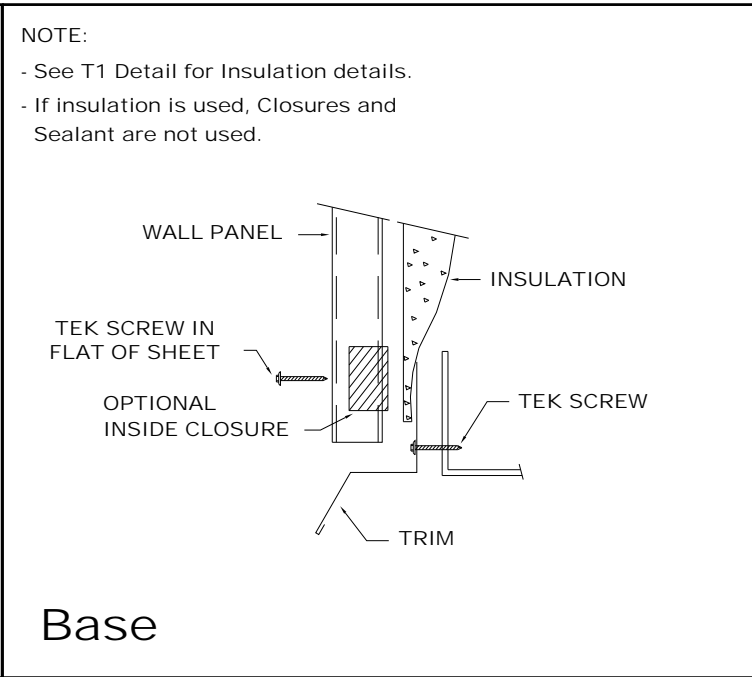
0	03/11/2022	For Construction
REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b>		
STEEL BUILDING SYSTEMS & COMPONENTS		
1913 Hutchins Ave. Ballinger, TX 76821		
(800) 527-1087		
DRAWING DESCRIPTION:		
SHEETING DETAILS		
CUSTOMER NAME:		END USER:
Deland Skinner		Deland Skinner
SALESMAN:	JOBSITE ADDRESS	
Matthew Lovelady	Carnegie, OK 73015	
DETAILER:	CHECKER:	DATE:
NSS	JDZ	03/11/2022
JOB #		DWG #
6330878		S101
REV.		0



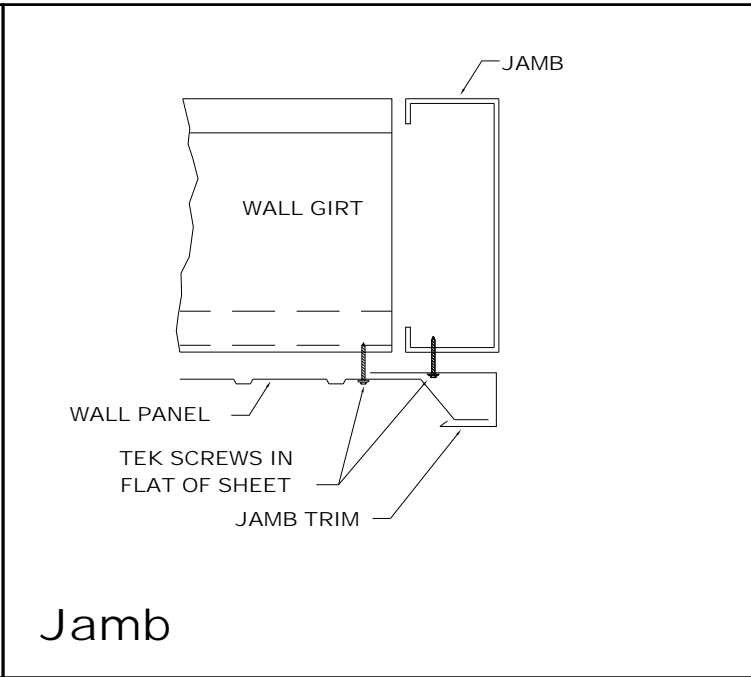
Gutter



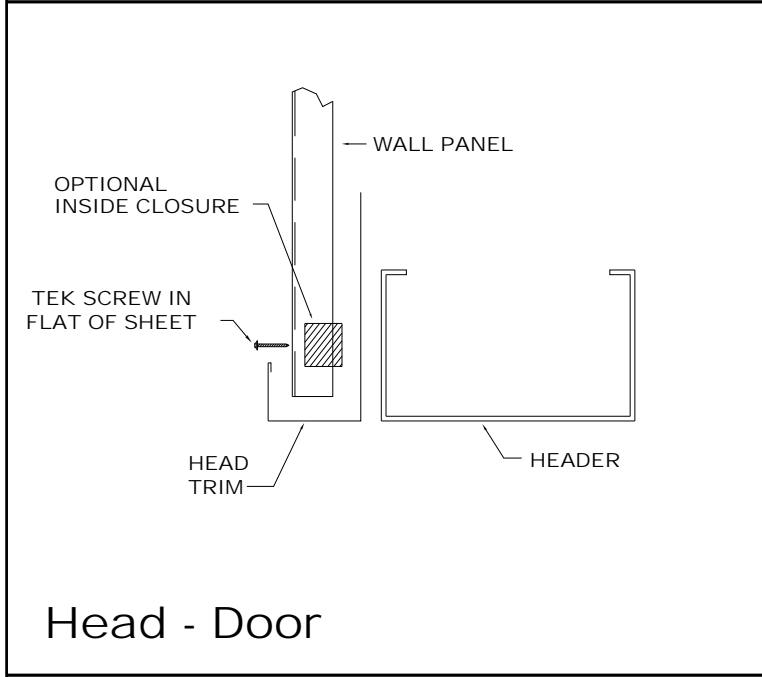
Rake



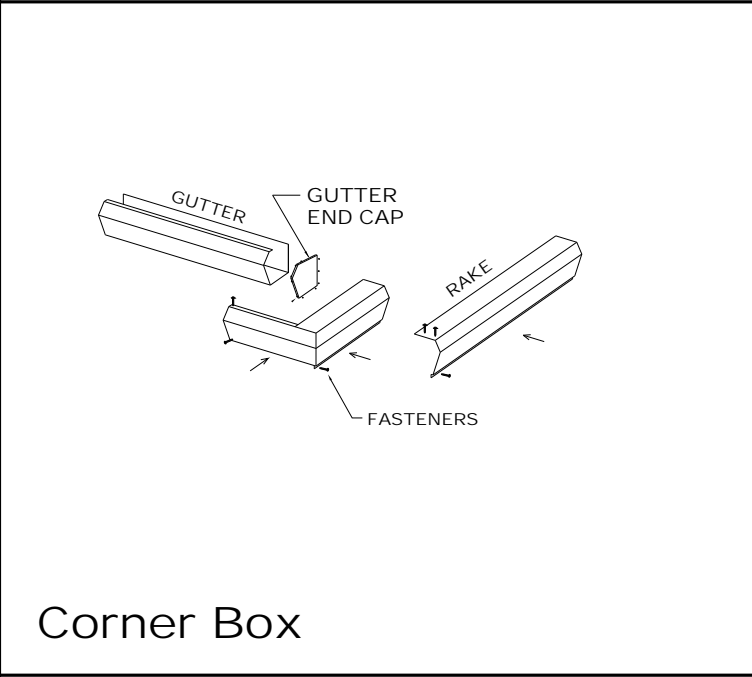
Base



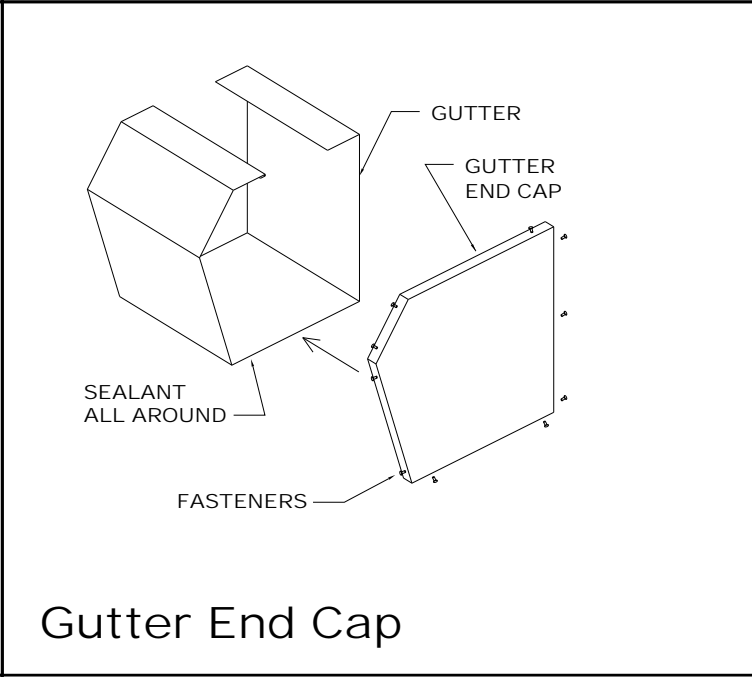
Jamb



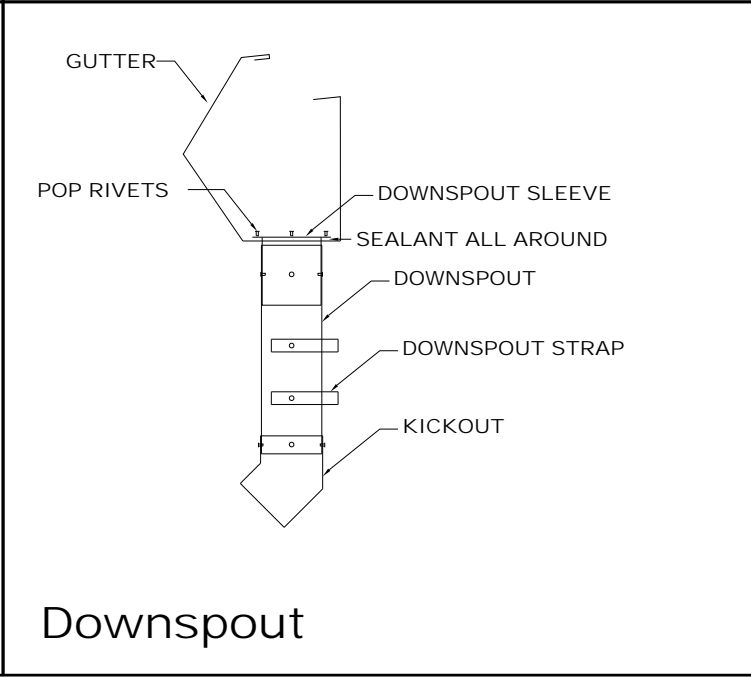
Head - Door



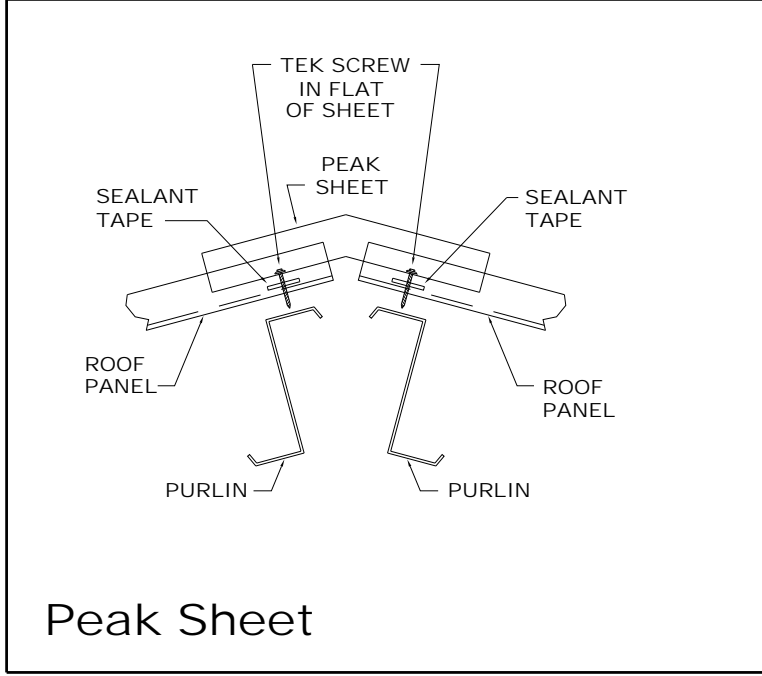
Corner Box



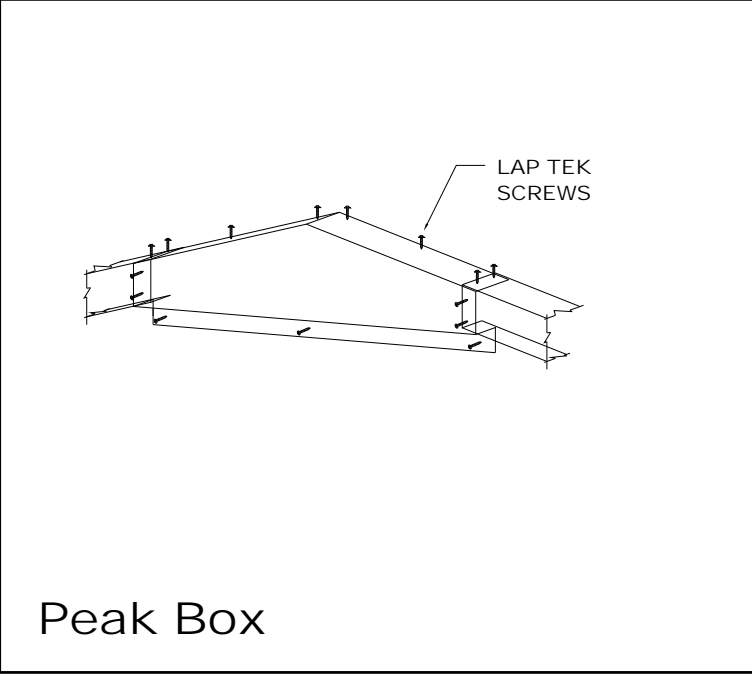
Gutter End Cap



Downspout

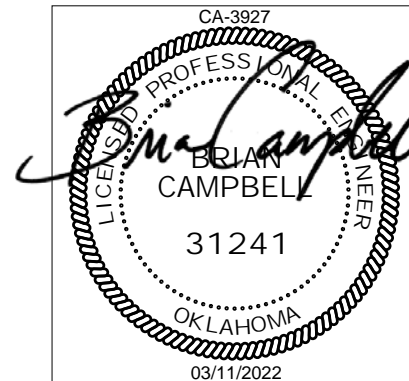


Peak Sheet



Peak Box

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REV	DATE	DESCRIPTION
<b>MUELLER, INC.</b> STEEL BUILDING SYSTEMS & COMPONENTS 1913 Hutchins Ave. Ballinger, TX 76821 (800) 527-1087		
DRAWING DESCRIPTION: <b>TRIM DETAILS</b>		
CUSTOMER NAME: Deland Skinner	END USER: Deland Skinner	SCALE: NONE
SALESMAN: Matthew Lovelady	JOB SITE ADDRESS: Carnegie, OK 73015	
DETAILER: NSS	CHECKER: JDZ	DATE: 03/11/2022
	JOB #: 6330878	DWG #: T101
		REV: 0