FINAL DEVELOPMENT PLAN LINCOLN STREET CITY OF POWELL, DELAWARE COUNTY, OHIO **MARCH 2015**

GENERAL SUMMARY

SITE LOCATION:

LINCOLN STREET POWELL, OH 43065

3194602001000

TOTAL ACREAGE:

1.051 AC. ORIGINAL (INCLUDING LINCOLN ST. & SCIOTO ST. R/W)

1.051 AC. (45,781 S.F.) ORIGINAL - 0.126 AC. (5,507 S.F.) R/W LINCOLN ST.

+0.091 AC. (3,977 S.F.) R/W SCIOTO ST. 1.016 AC. (44,251 S.F) TOTAL LOT.

CURRENT ZONING:

DRB - DOWNTOWN BUSINESS DISTRICT

PRESENT USE:

VACANT LAND

PROPOSED PROJECT DESCRIPTION:

CONSTRUCTION OF 3 NEW OFFICE/WAREOUSE BUILDINGS.

BUILDINGS:

6,600 S.F BUILDING #1 2,100 S.F. BUILDING #2 8,700 S.F. TOTAL

19.7% LOT COVERAGE

LAND AREA:

EXISTING: 0 S.F IMPERVIOUS

44,251 S.F PERVIOUS AREA 100%

31,479 S.F. IMPERVIOUS AREA 12,772 S.F. PERVIOUS AREA

REAR:5'

PARKING:

CODE: 1 PARKING SPACE FOR 200 S.F OF OFFICE SPACE / 2

+1 PARKING SPACE FOR EACH EMPLOYEE.

BUILDING #1: 2,435 S.F. OFFICE SPACE / 200 / 2 = 6 PARKING SPACES

2 EMPLOYEES = 2 PARKING SPACES TOTAL = 8 PARKING SPACES

BUILDING #2: 644 S.F. OFFICE / 200 / 2 = 2 PARKING SPACES

TOTAL = 3 PARKING SPACE

1 EMPLOYEE = 1 PARKING SPACE

TOTAL = 11 PARKING SPACES

LEGAL DESCRIPTION

SITUATED IN THE CTY OF POWELL, COUNTY OF DELAWARE, STATE OF OHIO, BEING OUT LOT NUMBER 1 AS RECORDED IN PLAT BOOK 2, PAGE 268, EXCEPTING A STRIP OF LAND 60 FEET WIDE OFF THE NROTH END OF SAID OUT LOT NUMBER 1, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE CENTERLINE OF LINCOLN STREET AND THE CENTERLINE OF SCIOTO STREET;

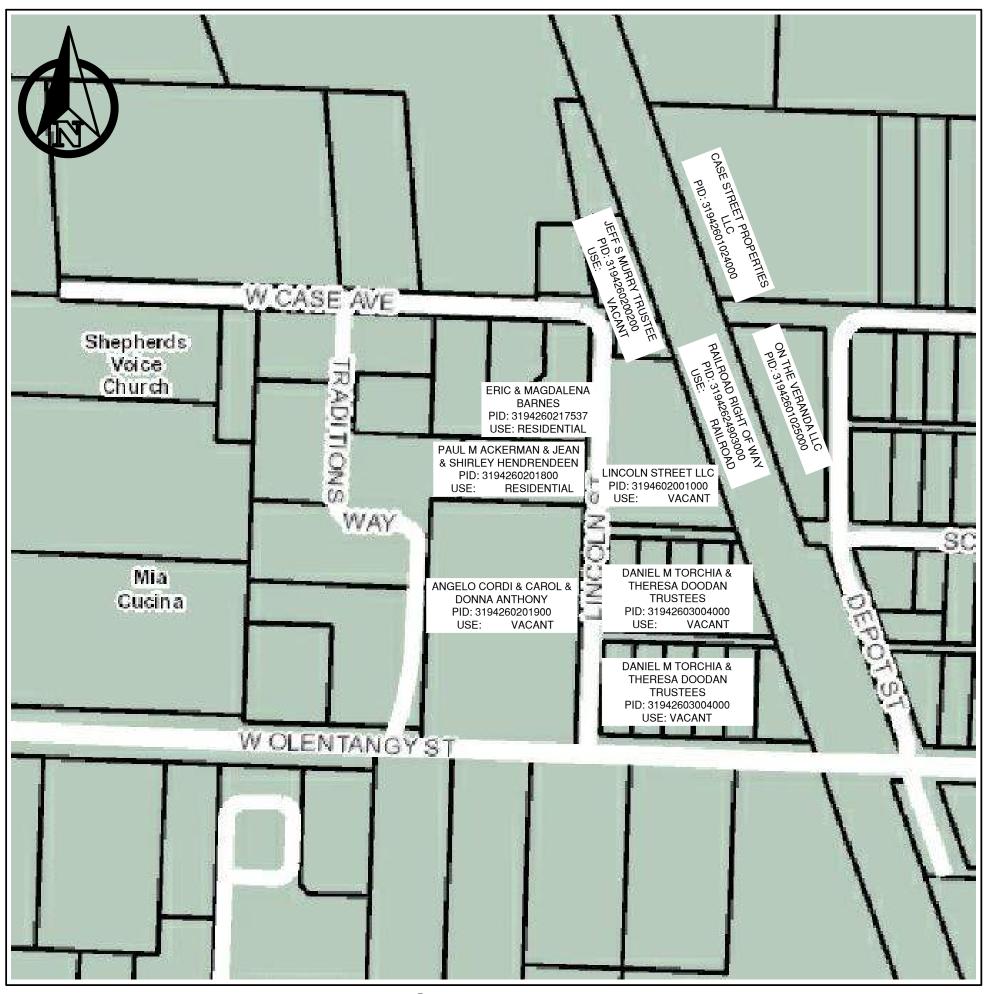
THENCE NORTH 07 DEG. 14' 02" EAST, ALONG THE SAID CENTERLINE OF LINCOLN STREET, A DISTANCE OF 275.20 FEET TO A POINT, BEING 60.00 FEET SOUTH OF THE NORTHWEST CORNER OF SAID OUTLOT NUMBER 1;

THENCE SOUTH 82 DEG. 38' 00" EAST, BEING 60.00 FEET FROM AND PARALLEL WITH THE NORTH LINE OF SAID OUTLOT NUMBER 1, (PASSING AN IRON PIPE FOUND AT 20.00 FEET) A TOTAL DISTANCE OF 110.45 FEET TO AN IRON PIPE FOUND, BEING ON THE WEST RIGHT OF WAY OF THE C&O RAILROAD,;

THENCE SOUTH 15 DEG. 03' 40" EAST, ALONG THE SAID WEST RIGHT OF WAY LINE OF THE C&O RAILROAD, A DISTANCE OF 296.25 FEET TO AN IRON PIPE SET, BEING IN THE SAID CENTERLINE OF SCIOTO STREET, ALL IRON PINS SET ARE SET WITH A PLASTIC CAP MARKED "SLSS RS 6612";

THENCE NORTH 82 DEG. 58" 48" WEST, ALONG THE SAID CENTERLINE OF SCIOTO STREET (PASSING A IRON PIPE SET AT 202.84 FEET) AT A TOTAL DISTANCE OF 222.84 FEET TO THE PLACE OF BEGINNING;

CONTAINING 1.051 ACRES, MORE OR LESS, FOR LAST DEED OF RECORD SEE DEED BOOK 382, PAGE 697 AS RECORDED IN THE DELAWARE COUNTY RECORDER'S OFFICE; SUBJECT TO ALL EASEMENTS, RESTRICTIONS AND RIGHTS OF WAY, IF ANY, OF RECORD.



VICINTY MAP

SHEET INDEX

| TITLE SHEET | 1 |
|--|----|
| EXISTING CONDITIONS, SITE & UTILITY PLAN | 2 |
| GRADING & LIGHTING PLAN | 3 |
| SECTION & AERIAL VIEWS | 4 |
| 40' CONTAINER TRUCK EXHIBIT | 5 |
| 53' TRAILER TRUCK EXHIBIT | 6 |
| LANDSCAPE PLAN | L1 |
| | |

OWNER/DEVELOPER

LINCOLN STREET, LLC BOX 1764 POWELL, OH 43065 SEAN SNYDER PHONE: 614-888-0625 EMAIL: SEAN@CGSICORP.COM

<u>ARCHITECT</u>

CSR DESIGN CO. 2970 RUTHERFORD ROAD POWELL, OH 43065 CATHY RAMONDELLI PHONE: 614-309-6172 EMAIL: CSRDESIGNCO@GMAIL.COM

ENGINEER

GANDEE HEYDINGER GROUP 942 BROOKSEDGE BLVD. WESTERVILLE, OH 43081 CHRIS WINKLE PHONE: 614-942-6042 EMAIL: CWINKLE@GHGCIVIL.COM



1 / 6

Project Number:

14-027-01

Drawing Number:

3/16/15

Drawn By: Checked By:

Scale:

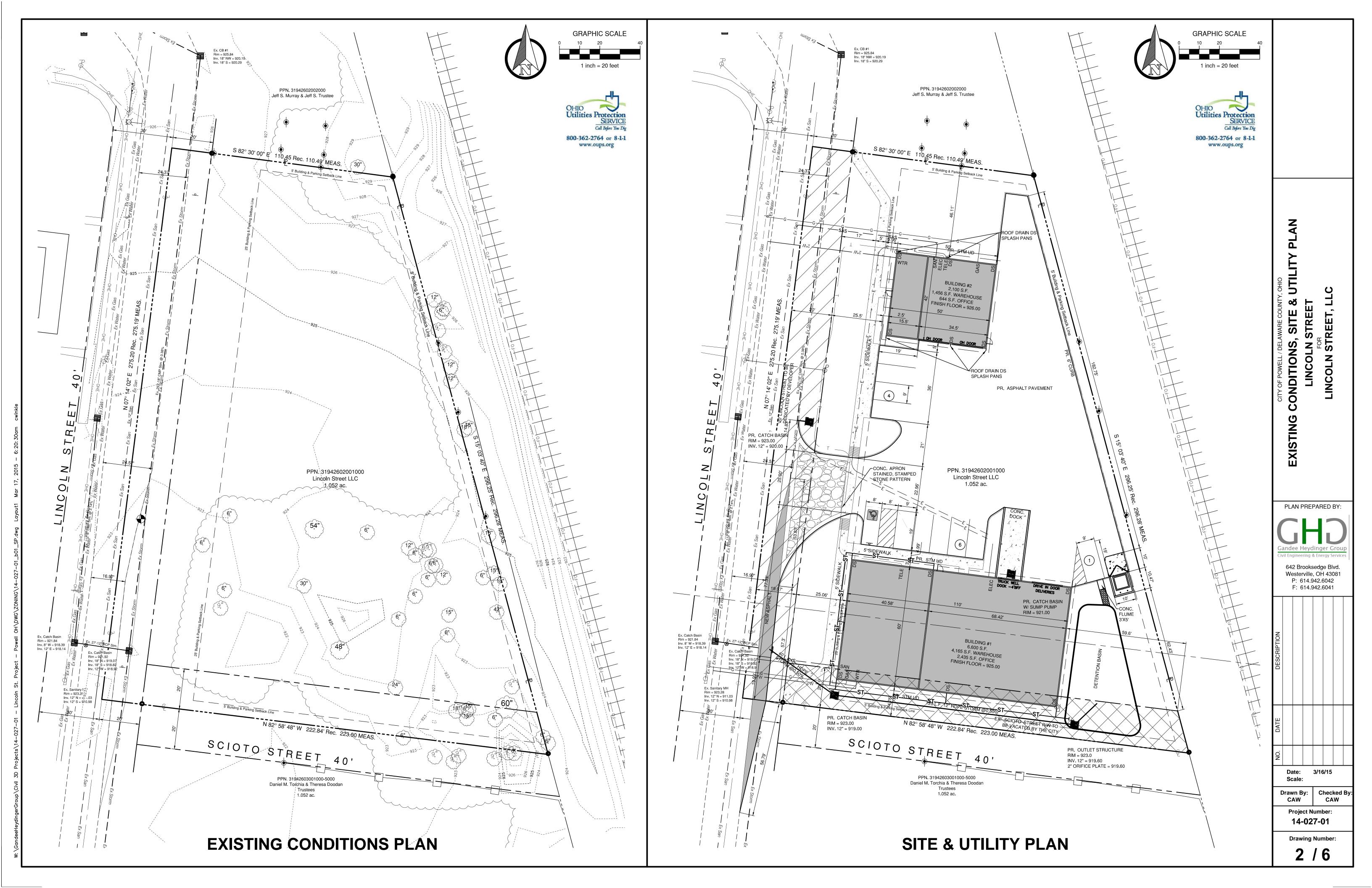
CAW

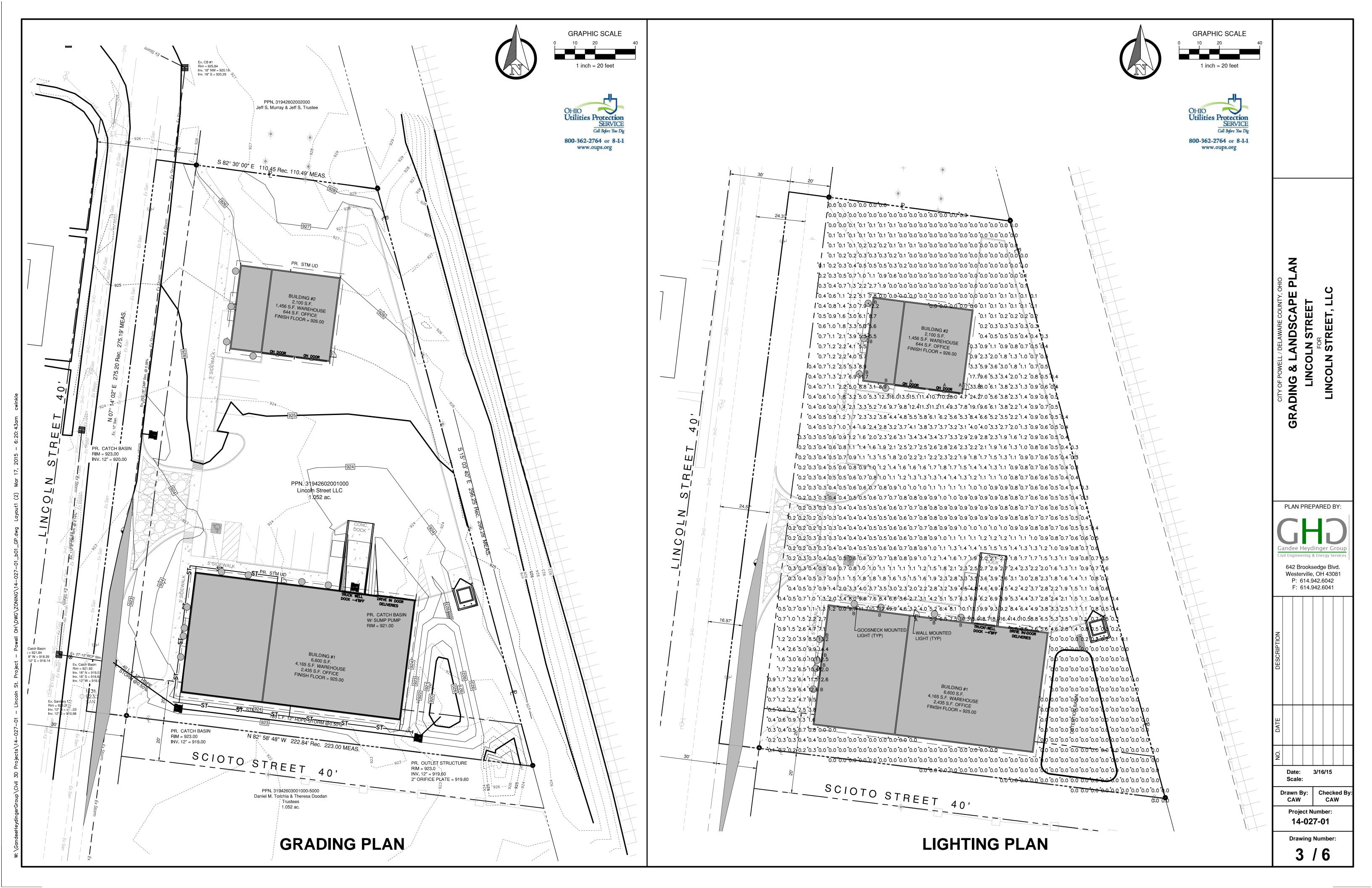
PLAN PREPARED BY:

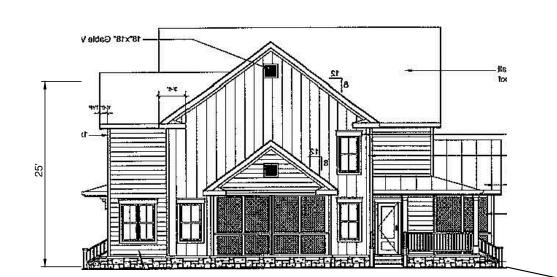
642 Brooksedge Blvd.

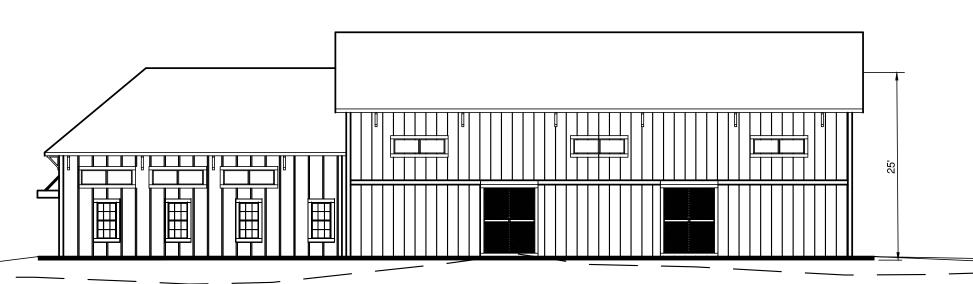
Westerville, OH 43081 P: 614.942.6042

F: 614.942.6041

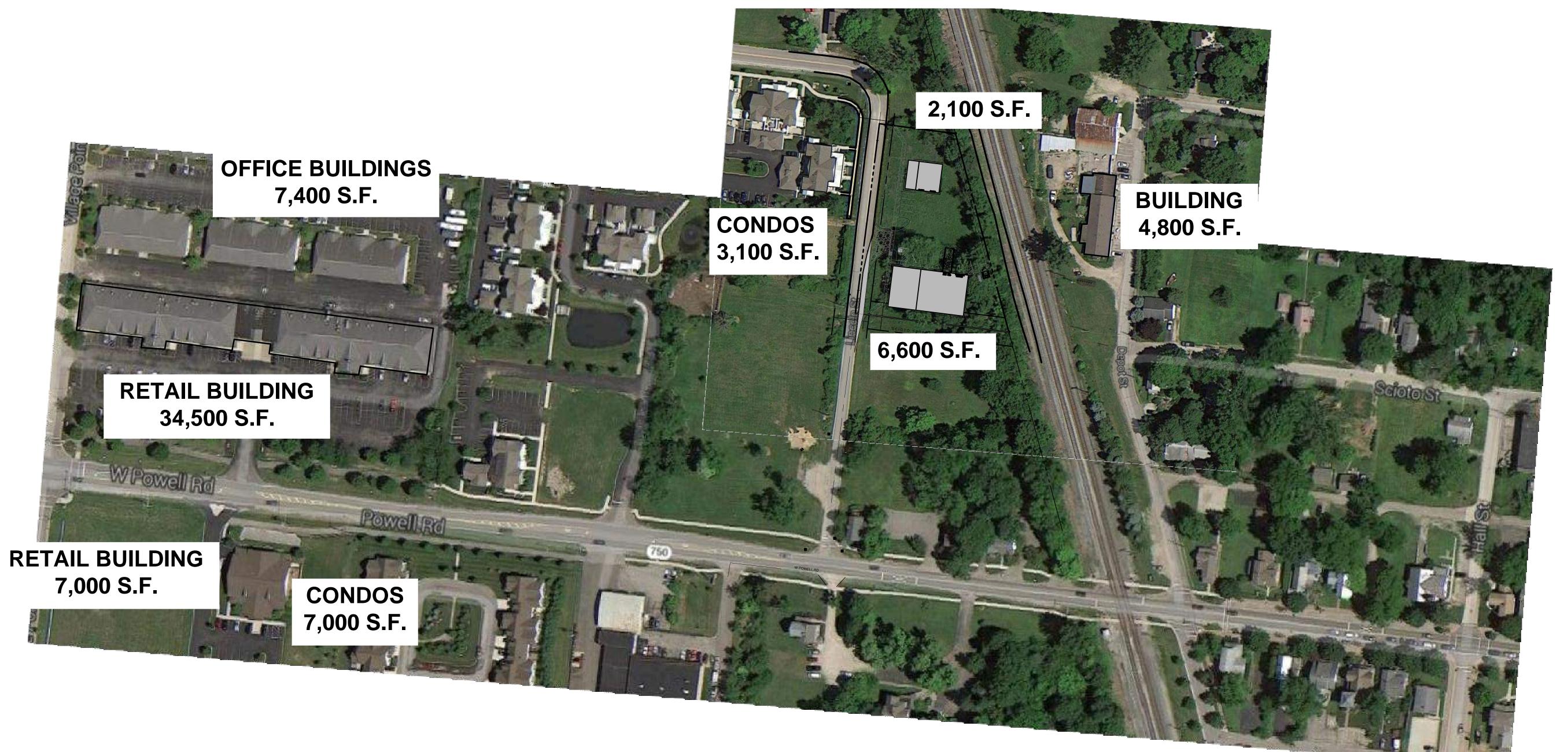








SECTION VIEW



AERIAL VIEW

PLAN PREPARED BY:

642 Brooksedge Blvd. Westerville, OH 43081 P: 614.942.6042 F: 614.942.6041

| DESCRIPTION | | | | |
|-------------|--|--|--|--|
| DAIE | | | | |
| NO. | | | | |

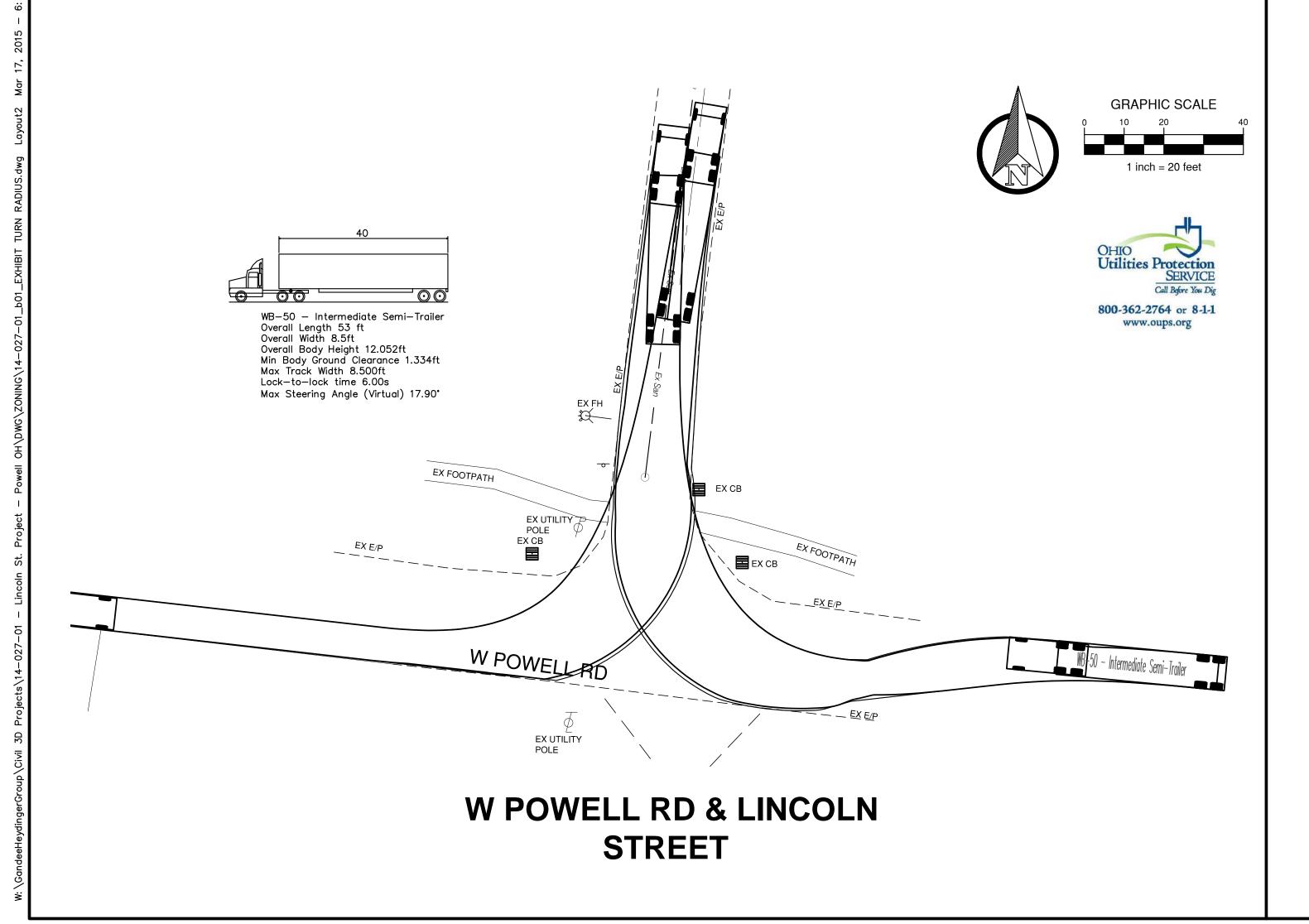
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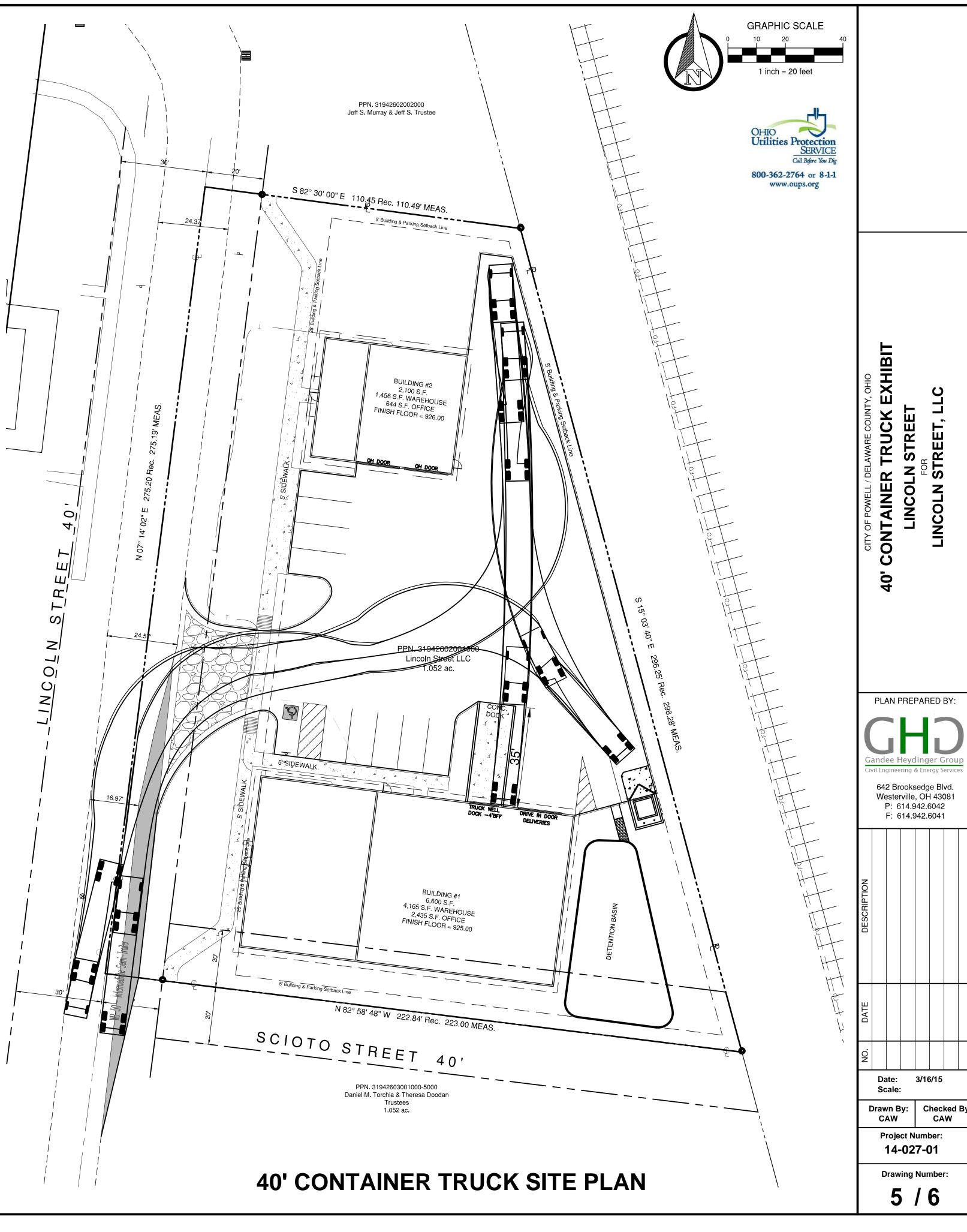
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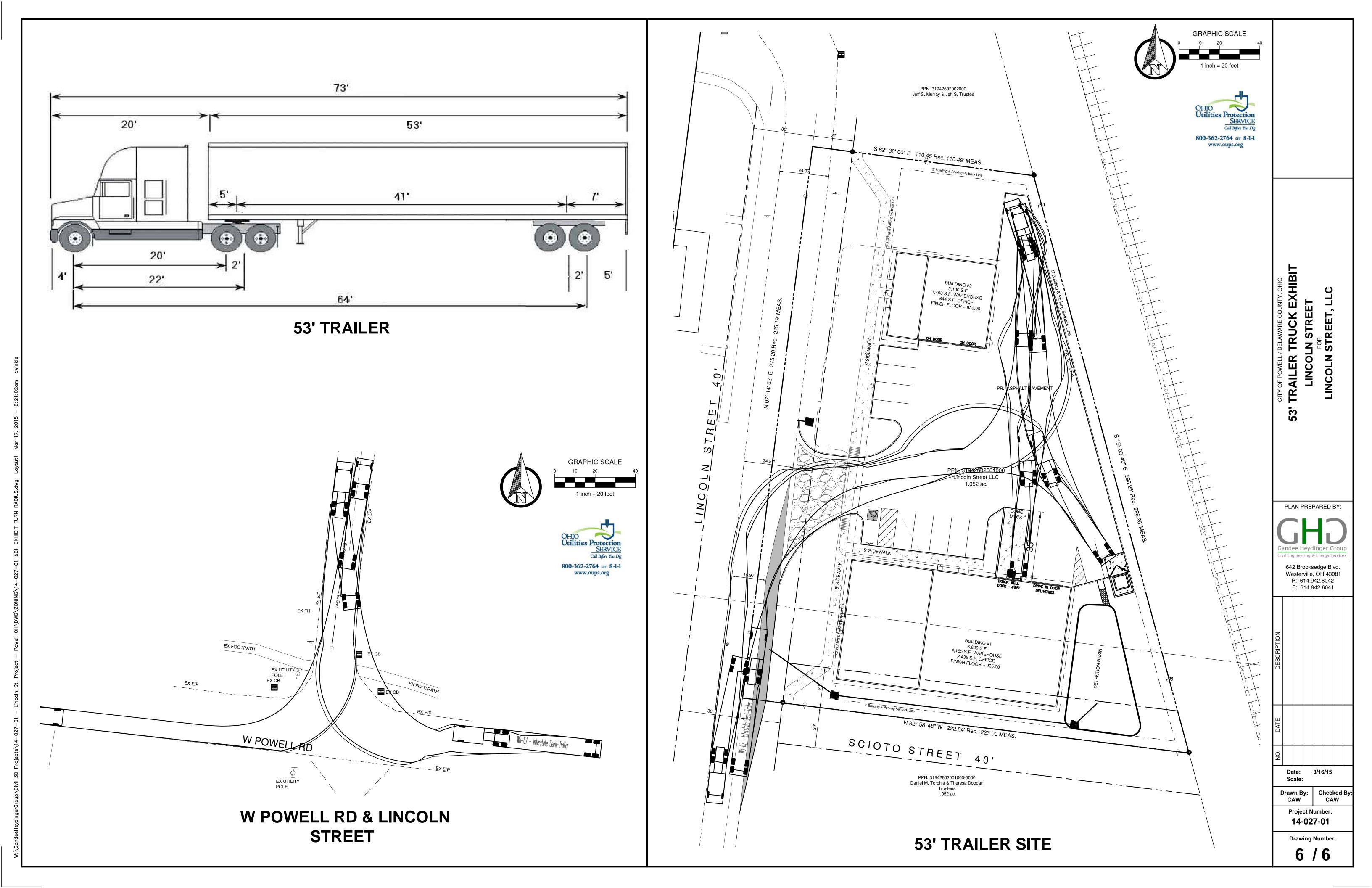
Drawing Number: 4 / 6











LANDSCAPE REQUIREMENTS

Replacement of Destroyed Trees.

(1) For every tree having a trunk diameter of six (6) inches or greater as measured twenty—four (24) inches from the ground level that is destroyed in the course of development or construction, new trees shall be planted on the subject site having a total trunk diameter of no less than six (6) inches as measured twenty—four (24) inches from the ground level. No single replacement planting shall have a trunk diameter of less than one-and-one half (1-1/2) inches as measured twenty—four (24) inches from the ground level.

Total trees removed = (28) 6" and over Total replacement required = 168" as described

Total replacement provided = 168" (56) 3" cal. trees

Minimum Tree Requirements

All commercial structures, including commercial—related parking, loading and trash storage areas, and all industrial, warehouse, and storage uses and their associated parking, loading, and trash storage areas up to 20,000 square feet: 2" trunk diameter for every 2,000 square feet or fraction thereof, beginning with a minimum of 3" of total trunk diameter: 8.001 sf to 10,000 sf = 11" per 2,000sf

Total building area = 8,700 sf (8,300 / 2,000) * 11"Total required trees = equaling 48"

Total provided trees = (see below existing 108")

(b) No new tree plantings shall be required if existing trees to remain on the site after development, and the aggregate trunk sizes of such trees, meet or exceed the requirements as set forth above. The minimum tree trunk diameter as measured twenty—four (24) inches from the ground level for such existing trees remaining on the finished site shall be no less than one and one - half (1-1/2) inches.

Total ex. tree caliper inches to remain = 108" of cal.

TREE PRESERVATION DETAIL

Required Landscaping of Parking Areas Every parking aisle that is bounded at an end by a traffic lane shall be terminated at such traffic lanes by such a

Planting bays provided with plantings

Required Landscaping around Building Foundations At a minimum, at least seventy percent (70%) of the lineal footage around the perimeter of a structure shall be landscaped in this manner. Shrubs or hedges shall be grouped rather than spaced as single shrubs at regular distances. A minimum of five shrubs shall be planted in every forty (40) feet of lineal building perimeter. A minimum of ten (10) perennial or annual plants and/or flowers shall be planted in every forty (40) feet of lineal

building perimeter. Total building foundation (both buildings) = 520 If Total foundation planting required = (520 * .7) = 364 If Total foundation planting provided = 364 If

Total shrubs required = (364 / 40) * 5 = 46Total shrubs provided = 49

Total perennials required = (364 / 40) * 10 = 92Total perennials provided = 92

<u>Screening</u>

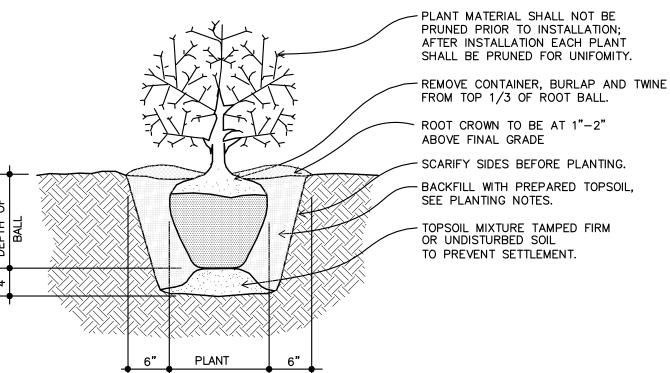
For trash containers and receptacles in commercial, office, and industrial districts for multi-family residential developments in any district, trash containers and refuse areas shall be adequately screened from sight by walls, fences, landscaping materials or an acceptable combination of these elements, provided that:

The height of such walls, fences or landscaping is no less than six (6) feet and the height of walls and fences does not exceed 10'

Screening provided by walled structure min. 6' height. See architectural plans.

| SYMBOL | QUAN. | BOTANICAL NAME COMMON NAME | SIZE CONDITION | | COMMENTS |
|--|-------|--|-------------------|-------|----------------------|
| * | 23 | SEDUM 'AUTUMN JOY' AUTUMN JOY SEDUM | 1 GAL | CONT | FALL BLOOM |
| ** | 38 | CALAMAGROSTIS A. 'KARL FORESTER' KARL FORESTER FEATHER REED | 1 GAL | CONT | DENSE FULL CLUMP |
| 0 | 26 | HEMEROCALIS 'STELLA D ORO' STELLA D ORO DAYLILY | 1 GAL | CONT | PURPLE BLOOM |
| 8 | 33 | HOSTA FRANCES WILLIAMS FRANCES WILLIAMS HOSTA | 1 GAL | CONT | BLUE/YELLOW FOLIAGE |
| 0 | 16 | SPIREA X. B. 'GOLD FLAME' GOLD FLAME SPIREA | 18" HT/SPR | CONT | YELLOW/ORANGE FOLIA |
| \otimes | 08 | PRUNS X CISTENA PURPLELEAF SANDCHERRY | 48" HT/SP | CONT | PINK FLOWERS |
| 0 | 12 | JUNIPERUS SABINA 'BROADMOOR' BROADMOOR JUNIPER | 24"HT/SPR | CONT | DENSE EVERGREEN FOLI |
| Manual Annual An | 13 | TAXUS X M. DENSIFORMIS DENSE YEW | 24" HT/SPR | | PLANTED 5' O.C. |
| | 11 | CERCIS CANADENSIS EASTERN REDBUD | 3" CAL | B & B | 6' CLEAR BELOW CANO |
| 0 | 21 | ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE | 3" CAL. | В & В | 6' CLEAR BELOW CANON |
| | 17 | GLEDITSIA TRI. I. 'IMPERIAL' IMPERIAL HONEYLOCUST | 3" CAL. | В & В | 6' CLEAR BELOW CANOR |
| | 07 | ZELKOVA S. VAR. 'GREEN VASE' GREEN VASE ZELKOVA | 3" CAL. | В & В | 6' CLEAR BELOW CANO |
| | _ | TREE PRESERVATION FENCING REQUIRED FOR NOTED TREES | 4' HEIGHT | В | SEE DETAIL BELOW |

SHRUB PLANTING



TREE PRESERVATION NOTES

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION. ERECTION AND MAINTENANCE OF TEMPORARY FENCING AROUND TREE PRESERVATION AREAS, SO THAT ALL PROTECTED TREES SHALL BE PRESERVED.

B. TREE PROTECTION FENCING SHALL BE ORANGE PLASTIC SAFETY FENCE, MINIMUM OF 4' HEIGHT, SECURED WITH 4"X4" PRESSURE TREATED STAKES, INSTALLED 3' BEYOND THE EDGE OF THE ROOT ZONE, OR AS INDICATED ON THE PLAN.

C. FENCING SHALL REMAIN IN PLACE, AND BE SECURED IN AN UPRIGHT POSITION DURING THE ENTIRE CONSTRUCTION PERIOD TO PREVENT THE IMPINGEMENT OF CONSTRUCTION VEHICLES, MATERIALS, AND EQUIPMENT INTO OR UPON THE TREE PRESERVATION AREA.

D. APPROVED SIGNS SHALL BE ATTACHED TO PROTECTION FENCING, AND VISIBLY STATING THAT INSIDE THE FENCING IS A TREE PROTECTION ZONE, NOT TO BE DISTURBED UNLESS PRIOR APPROVAL HAS BEEN

E. THE APPROVED TREE PRESERVATION PLAN SHALL BE AVAILABLE ON THE BUILDING SITE BEFORE WORK COMMENCES, AND AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

F. DURING ALL PHASES OF CONSTRUCTION, ALL STEPS TO PREVENT THE DESTRUCTION OR DAMAGE TO PROTECTED TREES SHALL BE TAKEN. NO CONSTRUCTION ACTIVITY, MOVEMENT AND/OR PLACEMENT OF EQUIPMENT, VEHICLES, MATERIALS OR SPOILS STORAGE SHALL BE PERMITTED WITHIN THE TREE PRESERVATION AREA. NO EXCESS SOIL. ADDITIONAL FILL, LIQUIDS, OR CONSTRUCTION DEBRIS SHALL BE PLACED WITHIN THE CRITICAL ROOT ZONE OF ALL TREES THAT ARE TO BE

G. PROTECT THE CROWN AND TRUNK OF TREES TO BE RETAINED BY OPERATING EQUIPMENT IN SUCH A WAY TO AVOID CONTACT WITH TREE TRUCKS, OR BRANCHES.

H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE CRITICAL ROOT ZONE AREA FROM MID-APRIL TO MID-OCTOBER AT A RATE OF 1 1/2" PER WEEK.

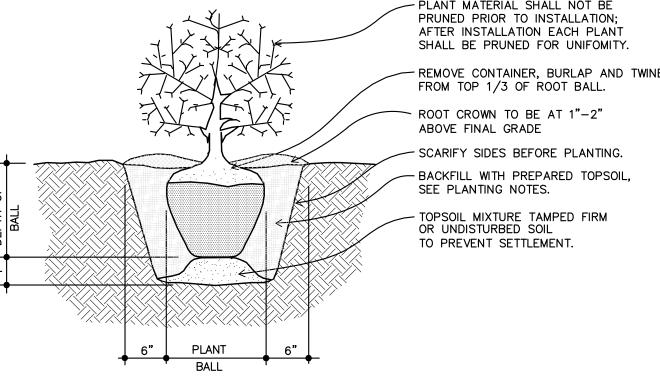
I. NO ATTACHMENTS, INCLUDING BUT NOT LIMITED TO ROPES, NAILS, ADVERTISING POSTERS, SIGNS FENCES, OR WIRES (OTHER THAN THOSE USED FOR BRACING, GUYING OR WRAPPING) SHALL BE ATTACHED TO ANY TREES.

J. NO GASEOUS LIQUIDS OR SOLID SUBSTANCES WHICH ARE HARMFUL TO TREES SHALL BE PERMITTED WITHIN THE TREE PRESERVATION AREA.

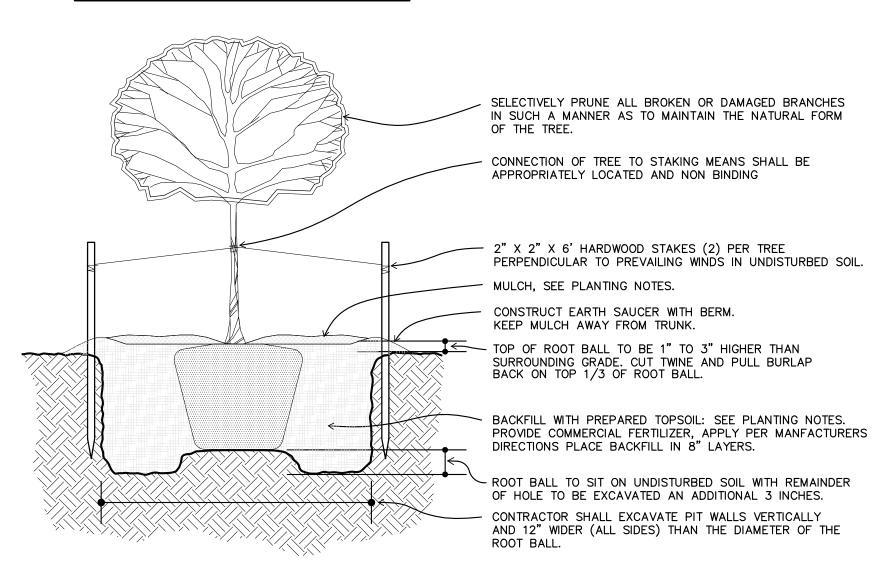
PRESERVATION AREA. . ALL UTILITIES, INCLUDING SERVICE LINES, SHALL BE INSTALLED IN

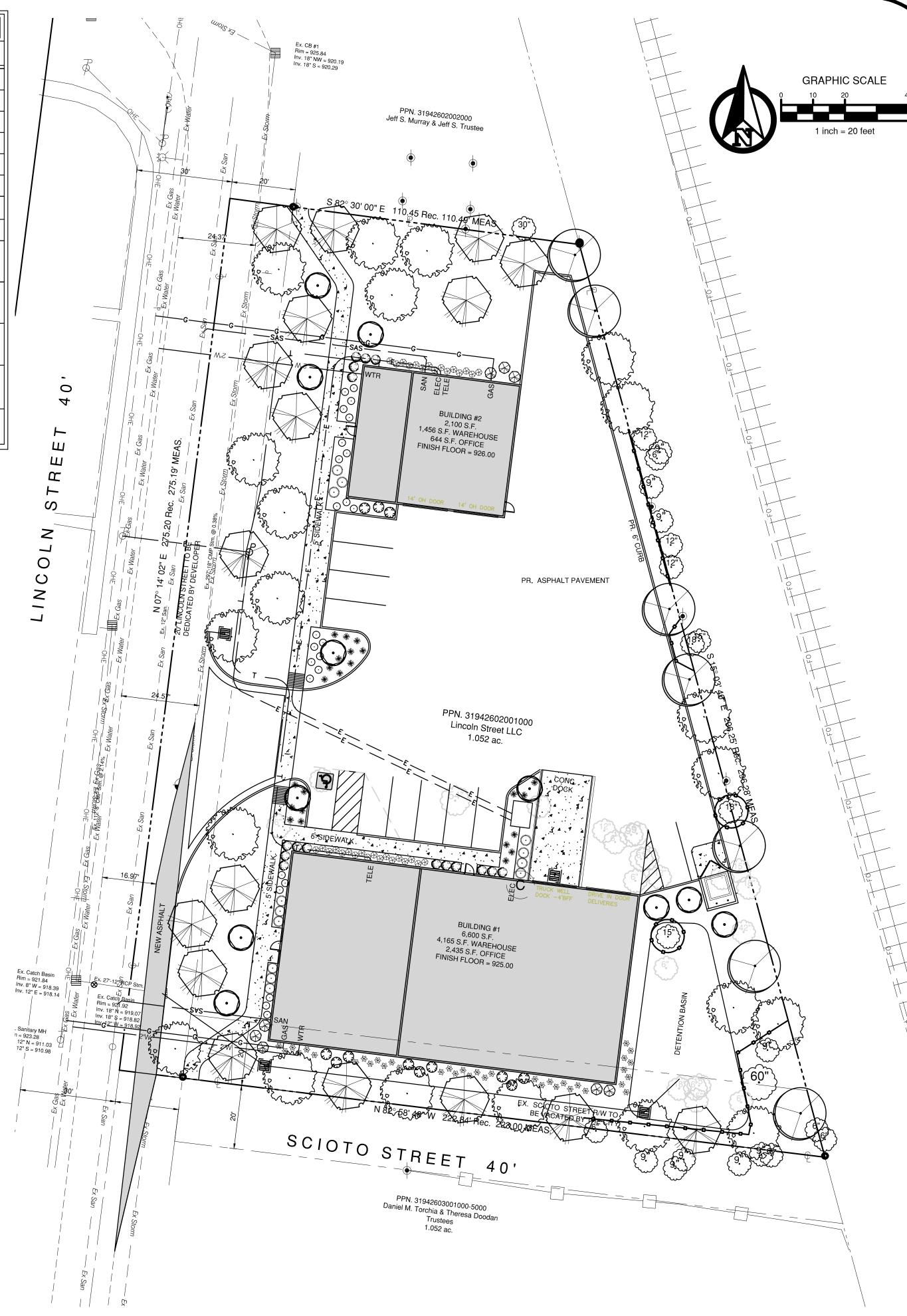
K. NO FIRE OR HEAT SHALL BE PERMITTED WITHIN THE TREE

ACCORDANCE WITH THE TREE PRESERVATION PLAN.



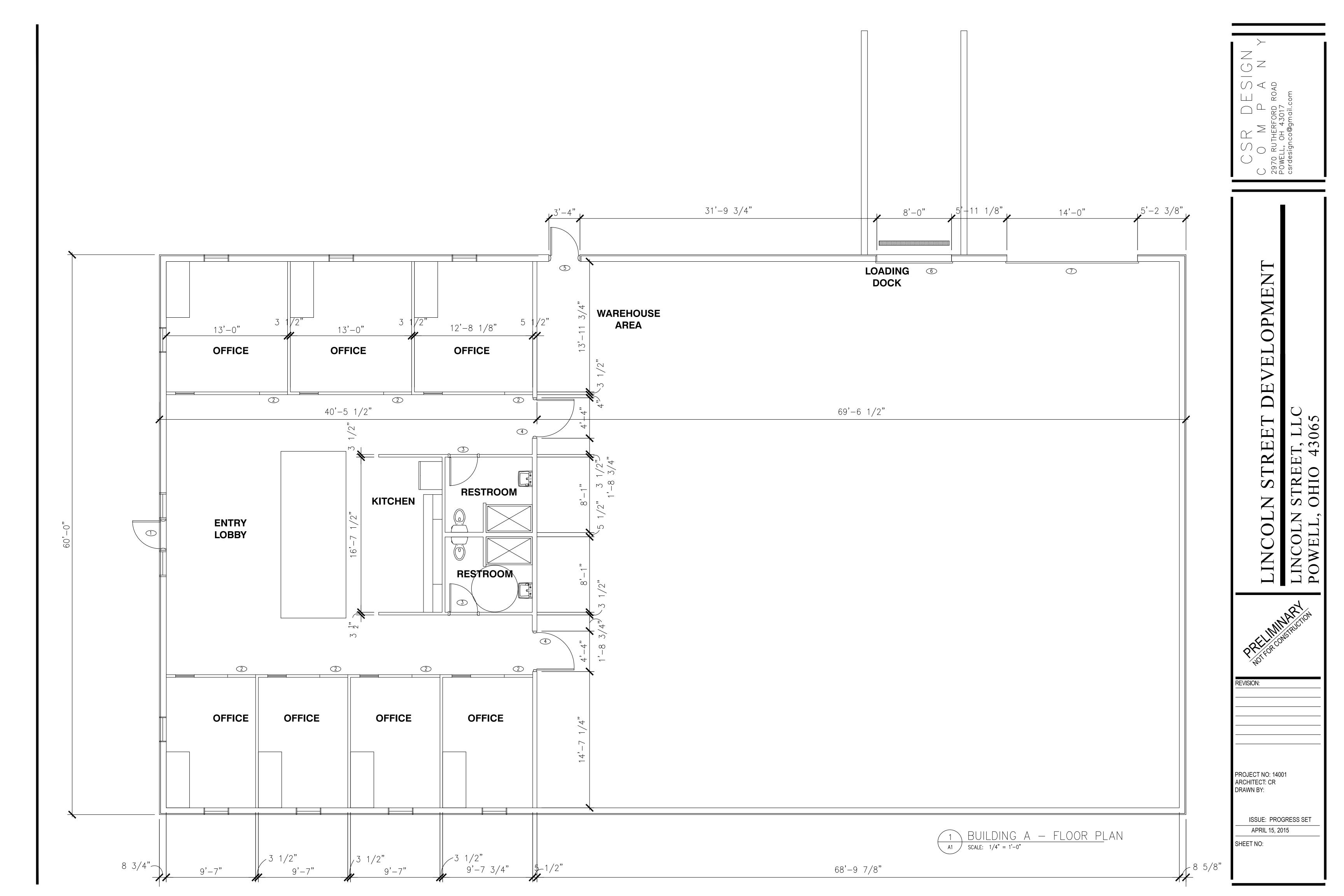
TREE PLANTING







03-17-15



1 BUILDING B - FLOOR PLAN

A2 SCALE: 1/4" = 1'-0"

LINCOLN STREET DEVELOPMENT LINCOLN STREET, LLC POWELL, OHIO 43065

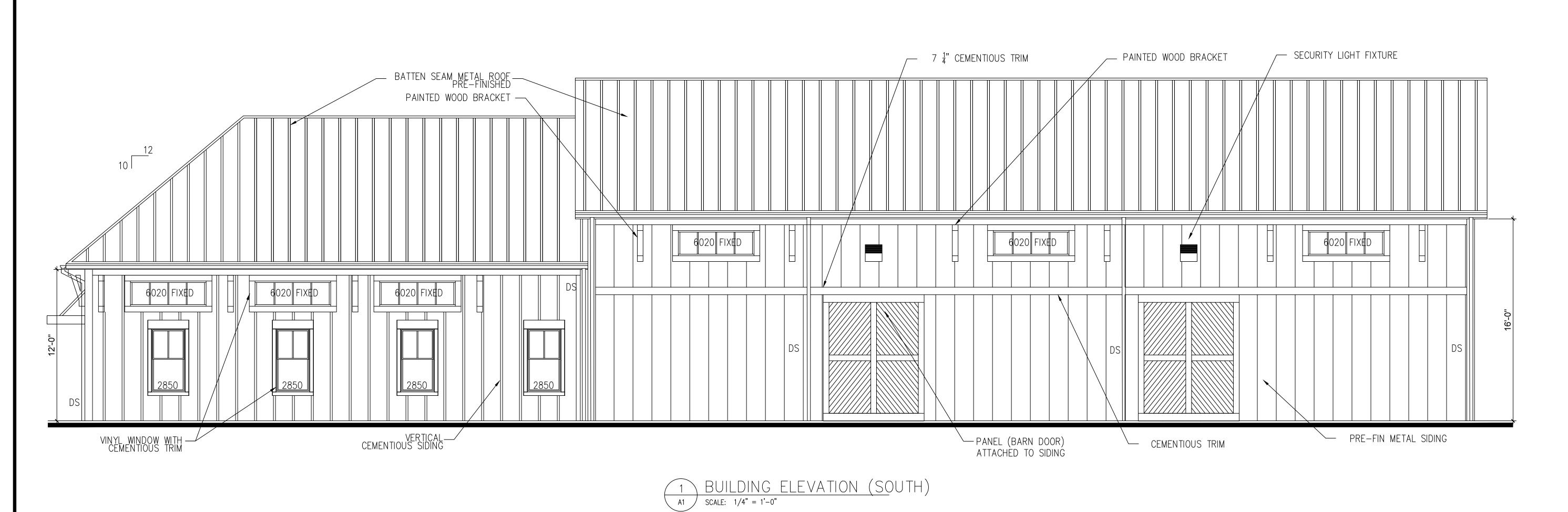
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REVISION:

PROJECT NO: 14001 ARCHITECT: CR DRAWN BY:

> ISSUE: PROGRESS SET APRIL 15, 2015

SHEET NO:



PROJECT NO: 14001 ARCHITECT: CR DRAWN BY:

> ISSUE: PROGRESS SET JUNE 10, 2015

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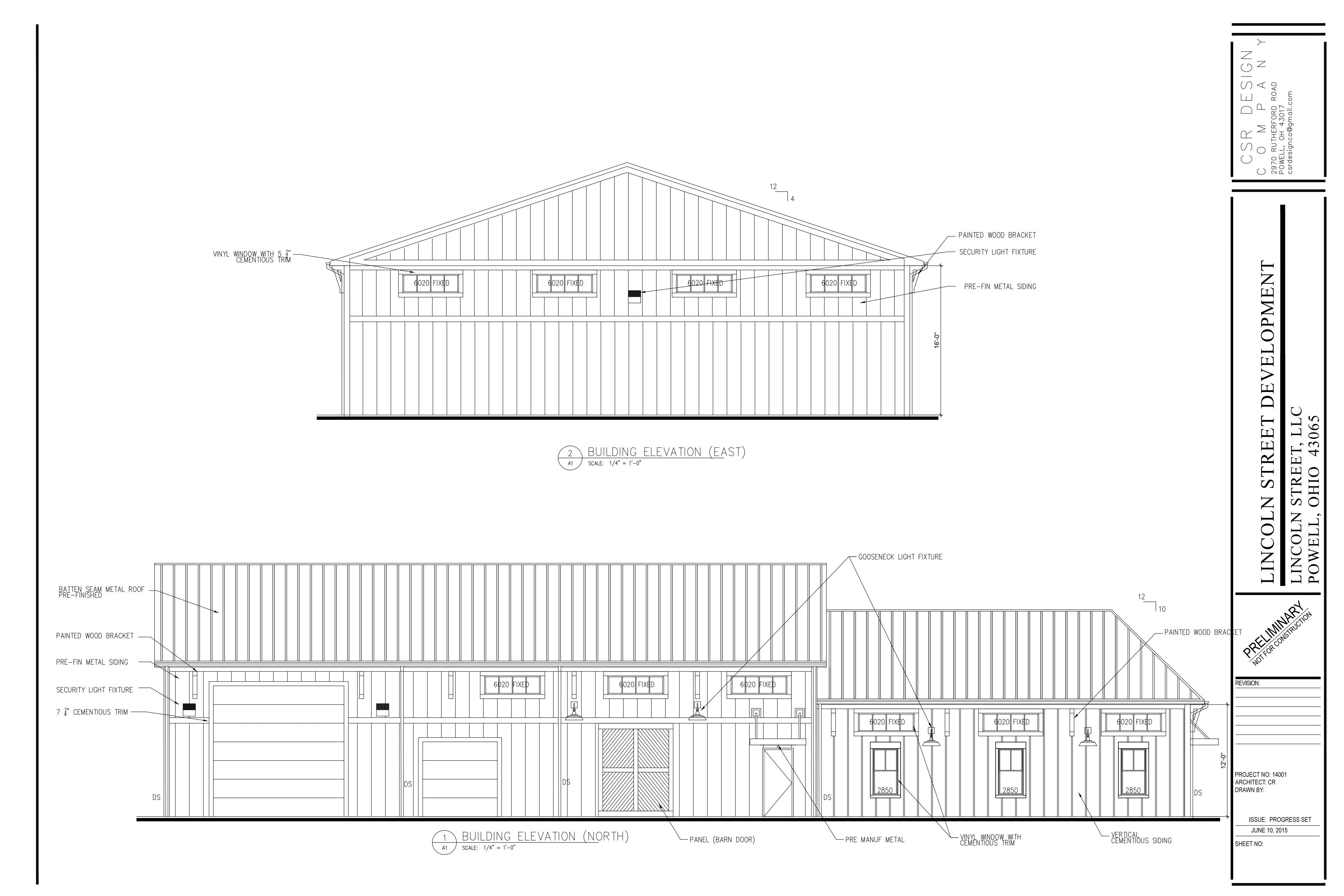
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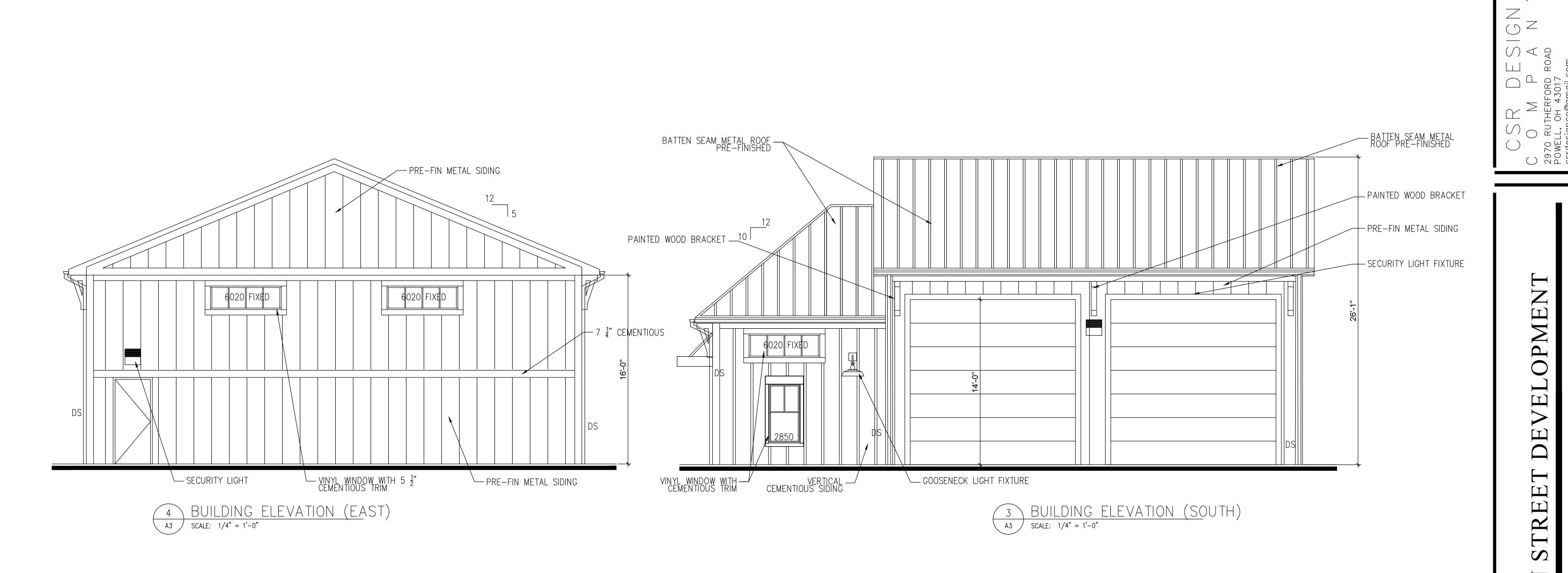
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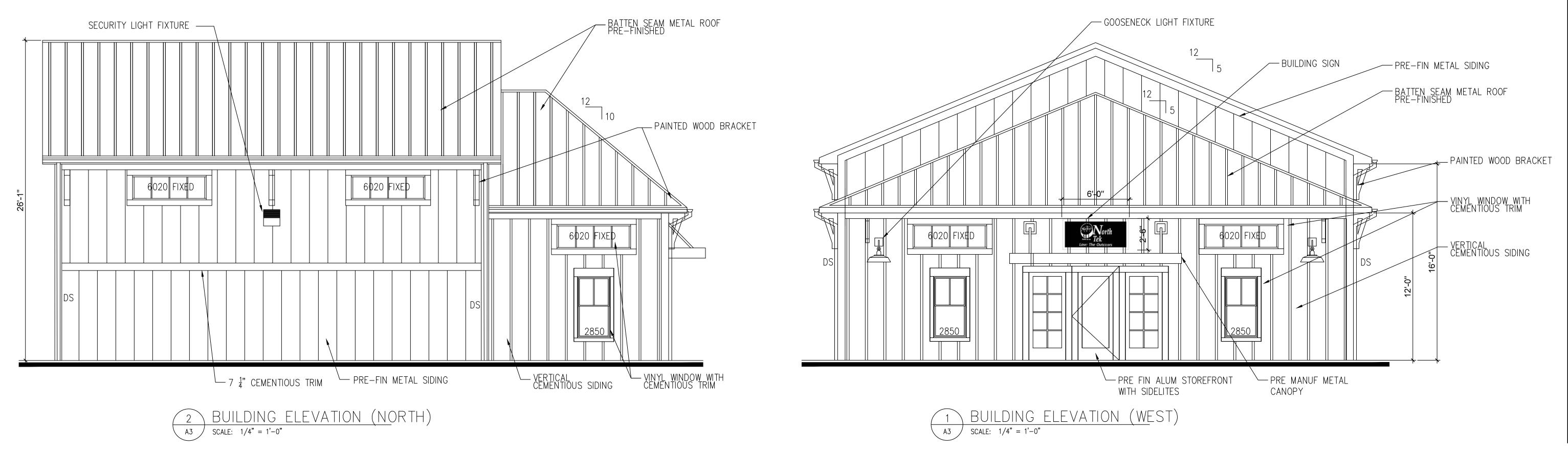
DESIGN PAN FORD ROAD

STRE OHIO LINCOLN POWELL,

ET, LLC 43065 REE







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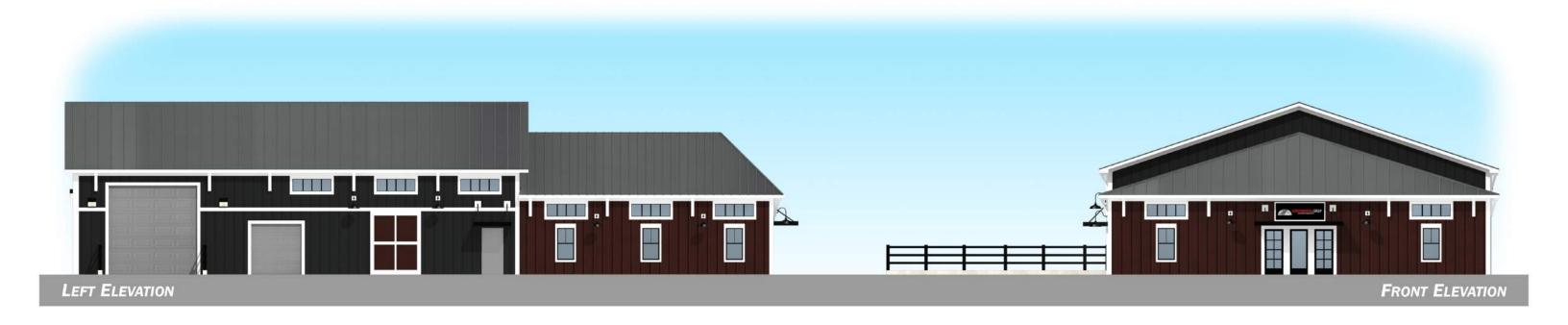
ET, LLC 43065 STRE OHIO LINCOLN POWELL,

REVISION:

PROJECT NO: 14001 ARCHITECT: CR DRAWN BY:

> ISSUE: PROGRESS SET JUNE 10, 2015

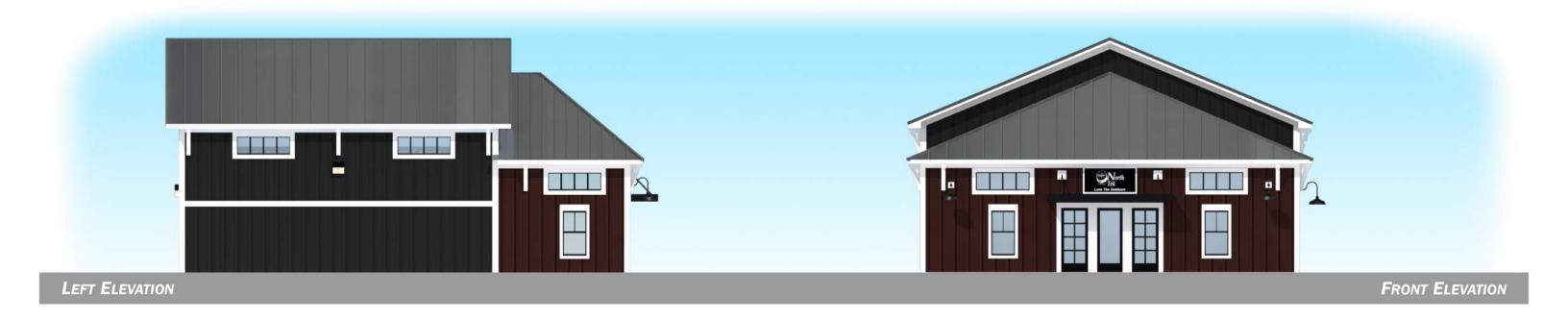
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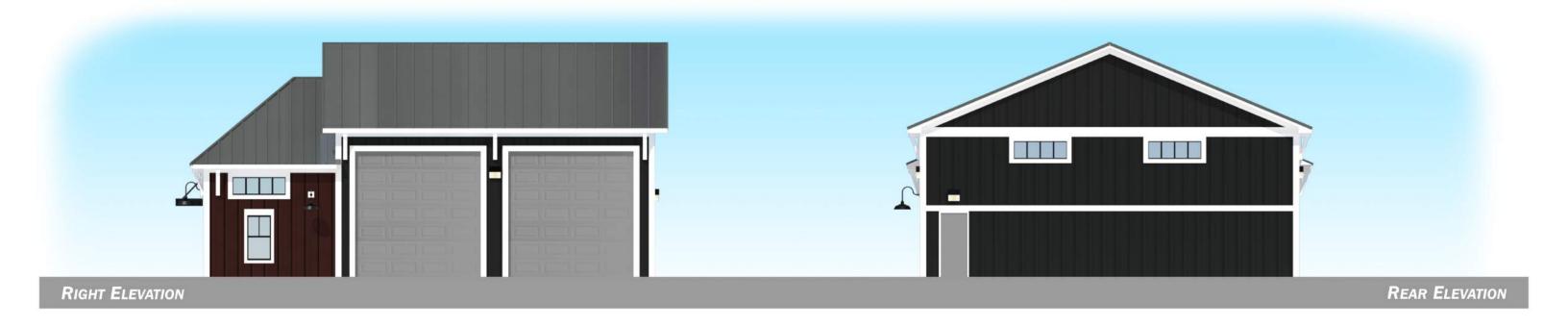






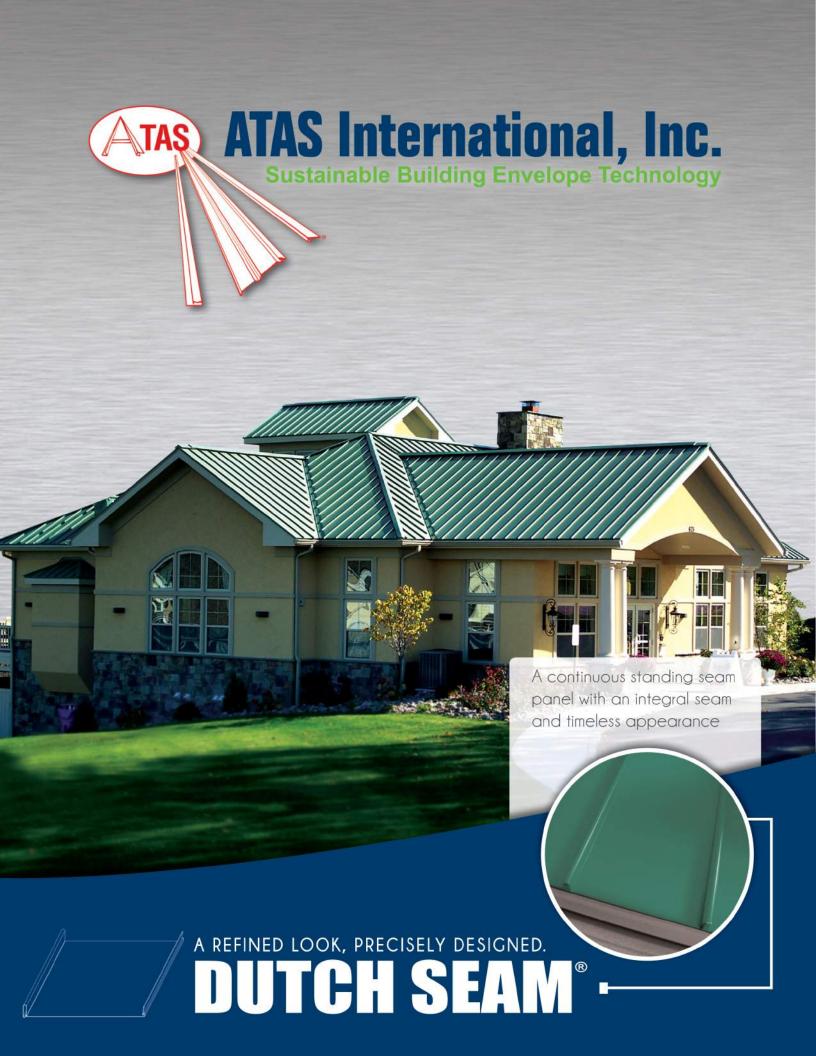
BUILDING 1 COLOR ELEVATIONS







BUILDING 2 COLOR ELEVATIONS



There's a difference with **Dutch Seam®**

Prior to forming, Dutch Seam® is precision leveled; and with options such as embossing, stiffening ribs, and striations, the potential of visible oil canning is reduced.









Smooth

Embossed

Striations

Stiffenina Ribs

Features

APPLICATION

- Precision leveling prior to forming
- Fasteners and clips allow panel to float without causing stress
- Crating for jobsite handling/staging
- Lock and seam are integral part of the panel with no seam caps to install
- Does not require mechanical field seaming
- Can be fastened directly to purlins or solid substrate
- After completing panel interlock, panels can be easily moved into cleats at valley and eave conditions

LONGEVITY

- Fire resistant will not burn or support combustion
- May be an insurance advantage
- Will not warp, crack, rot or peel
- Industry leading long term warranty
- Resistant to high wind, torrential rain, heavy snow and ice loads
- High quality and time-proven painting and pretreatment technologies
- **PVDF** Coating System

PERFORMANCE STANDARDS

- Environmentally friendly ENERGY STAR® qualified colors available. Contact ATAS for current color listings
- Tested in accordance with UL 790/ ASTM E 108, UL 580, TAS 125, ASTM E 1592, ASTM E 330, ASTM E 283, ASTM E 331, TAS 100, AAMA 501.1, UL 2218, ASTM E 84 Flame Spread, ICBO AC 166 Penetration
- FBC Approval
- MCA Roofing Certification
- High reflectivity of panels which increases energy efficiency



Specifications

Dutch Seam® SKU: MRD110, MRD150, MRD194

Gauae

.032, .040 aluminum; 24, 22* ga. metallic coated steel; 24* ga. 55% Al-Zn alloy coated steel with acrylic coating; 16*, 20* oz. copper; .027 zinc* (MRD110 only)

Panel Width

11", 15", 19 1/4" (Stiffening ribs standard, specify without ribs or with striations)

Panel Length

Cut to customer specifications with a minimum of 2'-0", maximum to transportation limitations and/or product and project design considerations

Seam Height

1 1/2"

Texture

Embossed, Smooth

Finish

Kynar 500° PVDF or Hylar 5000° PVDF

Colors

Choice of 31 standard colors

Anodized

Clear, Dark Bronze

Accessories

A complete line of trims available in matching colors, gauge, and finish or as specified

Minimum Slope

2:12

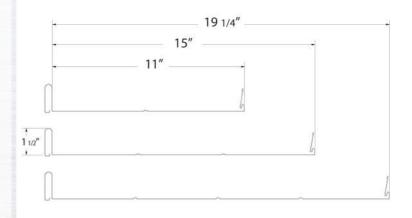
Custom Capabilities

Tapering

*Subject to minimum quantities and longer lead time, Inquire for availability.



specify without. Specify with striations.



Dutch Seam® Design Advantages

Dutch Seam® is a highly engineered wind and rain resistant panel system, designed to last lifetimes.



Integral lock and seam design guards against wind-driven rain and wind uplift, while still allowing for air permeability.



Clip at low point allows loads to be imposed on anchor clip, preventing rotation of seam and providing stronger interlock during an uplift event

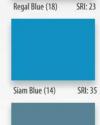


All factory-cut panel edges concealed within panel interlock, eliminating edge creep





Hartford Green (27) SRI: 23



Slate Blue (21)

Rocky Grey (16)

SRI: 31



Boysenberry (25)

Redwood (07)

Mission Red (08)

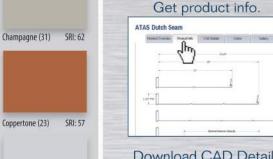
PREMIUM FINISH













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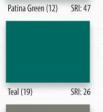








Concord Cream (05) SRI: 78



SRI- 39

Slate Grey (20)

Ascot White (10)









Bone White (26)



Dutch Seam roll former with in line leveler

- Stationary machine
- Controlled environment
- 18 forming stations
- In line precision leveling

ATAS's professional staff is able to assist in the design or provide shop drawings for your project. Final choice of materials and installation is the responsibility of the owner, architect and/or the owner's agent. ATAS International, Inc. cannot be held responsible for the ultimate selection or the installation of those materials. Due to slight stress in metal materials and substrates to which metal panels are applied, installed panels may exhibit a perceived waviness in the flat areas of the panel. Commonly the period and amplitude of the waviness is dependent upon the continuous flat width of the panel This condition is beyond the control of ATAS and consequently this perceived waviness or 'oil canning' of the product is not a valid reason for rejection of materials. (Refer to ASTME 1514, ASTME 1637 and Metal Construction Association Technical Bulletin 1060 for further clarification). ATAS reserves the right to modify, eliminate and/or change its products without prior notification. ATAS cannot be held responsible for errors in line drawings and typesetting, Inquire for availability, Colors are as close to the actual colors as modern printing allows. Exact color chips on request; this is a requirement for all premium colors. If you have requirements or preference for colors or finishes other than shown, contact ATAS. Color availability varies by material, gauge and profile. ATAS is not responsible for colors selected from this chart. Contact ATAS for more inform



Contact ATAS for more information. ATAS reserves the right to modify, eliminate and/or change its products without prior

LRD0115 LAT926



Valuable beauty. **Eco-Seam**™



Eco-Seam[™] is an **economical**, clipless, one-piece, positive-locking, standing seam panel that is available in two standard widths - 12" and 16".

Features

APPLICATION

- Precision leveling prior to forming
- Crating for jobsite handling/staging
- Typical applications include mansards, entryways, commercial and residential roofing and walls
- Seam and lock are an intergral part of the panel - no blow-offs or creeeping of the seam
- Lightweight and easy to install with no extra caps, strips, or clips needed

LONGEVITY

- Resistant to high wind, torrential rain, heavy snow and ice loads
- Fire resistant will not burn or support combustion
- May be an insurance advantage
- Will not warp, crack, rot or peel
- Industry leading long term warranty
- High quality and time-proven painting and pretreatment technologies
- **PVDF** Coating System

PERFORMANCE STANDARDS

- Environmentally friendly ENERGY STAR® qualified colors available. Contact ATAS for current color listings
- Tested in accordance with UL 790/ ASTM E 108, UL 580, ASTM E 283, UL 2218, ASTM E 331, AAMA 501.1, ASTM E 84 Flame Spread
- Meets all specifications for International Building Code
- High reflectivity of panels which increases energy efficiency



Specifications

Eco-Seam™ SKU: ECO120, ECO160

Gauge

.032 aluminum; 24 ga. metallic coated steel

Panel Width

12", 16"

Panel Length

Cut to customer specifications with a minimum of 2'-0", maximum of 20'-0" for aluminum and 25'-0" for steel

Seam Height

1 1/4"

Texture

Smooth

Finish

Kynar 500° PVDF or Hylar 5000° PVDF

Colors

31 standard colors

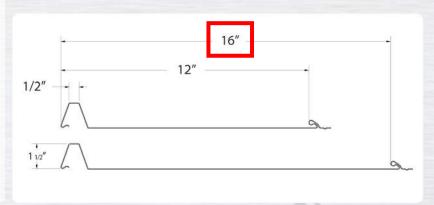
Accessories

A complete line of trims available in matching colors, gauge, and finish or as specified

Minimum Slope

3:12

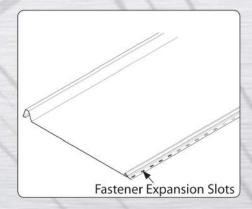


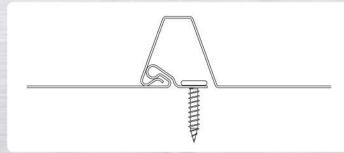




Eco-Seam" Design Advantages

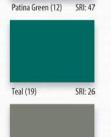
Installed by hooking panel into previous panel and fastening with mechanical fasteners through pre-punched holes to allow for expansion/contraction





Wind-Lok™ Positive locking feature makes it virtually impossible for panels to slip apart





Hemlock Green (30) SRI: 30

Hartford Green (27) SRI: 23

Forest Green (11)

SRI: 29





Siam Blue (14)

Slate Blue (21)

Rocky Grey (16)

Charcoal Grey (62) SRI: 27



SRI: 35

SRI: 31

SRI: 29

Redwood (07)

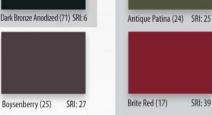
Mission Red (08)

Rawhide (15)

SRI- 64









PREMIUM FINISH

SRI- 51





Dove Grey (13)



Eco-Seam roll former

- Stationary machine
- Controlled environment
- 20 forming stations
- Precision leveling

ATAS's professional staff is able to assist in the design or provide shop drawings for your project. Final choice of materials and installation is the responsibility of the owner, architect and/or the owner's agent. ATAS International, Inc. cannot be held responsible for the ultimate selection or the installation of those materials. Due to slight stress in metal materials and substrates to which metal panels are applied, installed panels may exhibit a perceived waviness in the flat areas of the panel. Commonly the period and amplitude of the waviness is dependent upon the continuous flat width of the panel. This condition is beyond the control of ATAS and consequently this perceived waviness or 'oil canning' of the product is not a valid reason for rejection of materials. (Refer to ASTME 1514, ASTME 1637 and Metal Construction Association Technical Bulletin 1060 for further clarification). ATAS reserves the right to modify, eliminate and/or change its products without prior notification. ATAS cannot be held responsible for errors in line drawings and typesetting. Inquire for availability. Colors are as close to the actual colors as modern printing allows. Exact color chips on request; this is a requirement for all premium colors. If you have requirements or preference for colors or finishes other than shown, contact ATAS. Color availability varies by material, gauge and profile. ATAS is not responsible for colors selected from this chart. Contact ATAS for more information



ATAS International, Inc.

Allentown, PA . Mesa, AZ . Maryville, TN

800.468.1441 | www.atas.com | info@atas.com



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LRD0115 LAT190

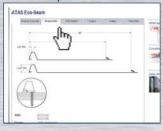
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ATAS Eco-Seam

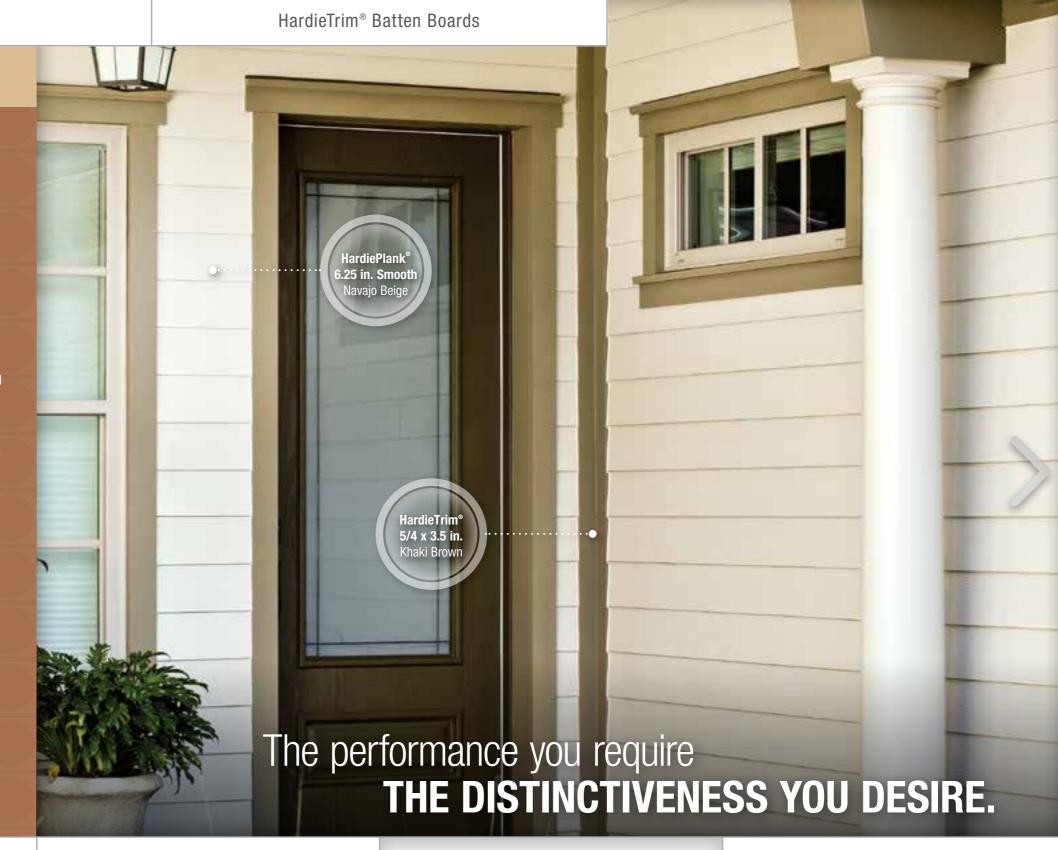




HardieTrim® Boards

Form meets function at every angle with HardieTrim boards. With an authentic look, HardieTrim boards provide design flexibility for columns, friezes, doors, windows and other accent areas.

Unlike wood, it complements your long-lasting, lower maintenance James Hardie siding – adding punctuation to your design statement.





HardieTrim® Boards

HardieTrim® Batten Boards

4/4 NT3® SMOOTH

Arctic White



5/4 NT3° SMOOTH

Arctic White



CROWN MOULDING

Arctic White

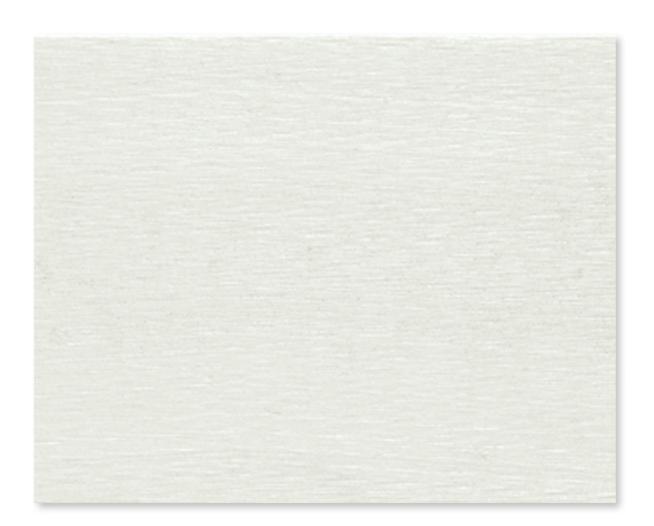


Products are available primed or with ColorPlus Technology finishes. For more details, visit **jameshardie.com**



Siding Soffit HardieWrap® Finishing Touches Trim

HardieTrim® Boards HardieTrim® Batten Boards



4/4 NT3® SMOOTH

Arctic White

Thickness .75 in. Length

12 ft. boards

Width 3.5 in. 5.5 in. 7.25 in. 11.25 in. Pcs./Pallet 312 208 104 156

WHITE

Available Colors



View all HardieTrim Boards

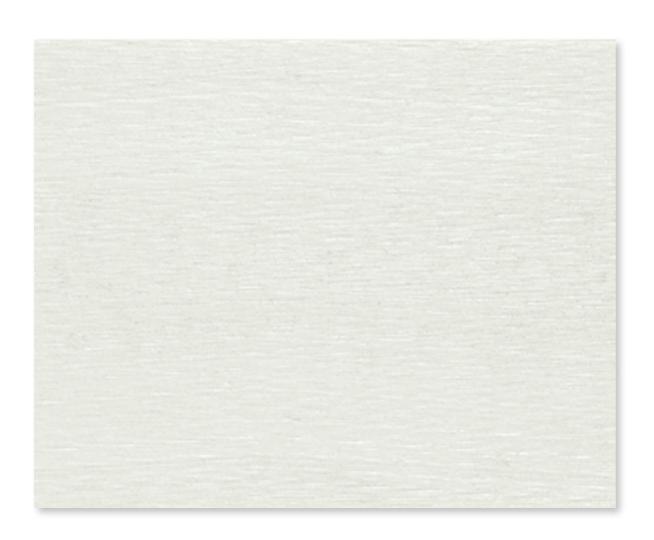


Siding Trim Soffit HardieWrap® Finishing Touches

HardieTrim® Boards



HardieTrim® Batten Boards



5/4 NT3® SMOOTH

Arctic White

Thickness 1 in.

Length 12 ft. boards

 Width
 3.5 in.
 4.5 in.
 5.5 in.
 7.25 in.
 11.25 in.

 Pcs./Pallet
 240
 200
 160
 120
 80



View all HardieTrim Boards



HardiePlank® Lap Siding

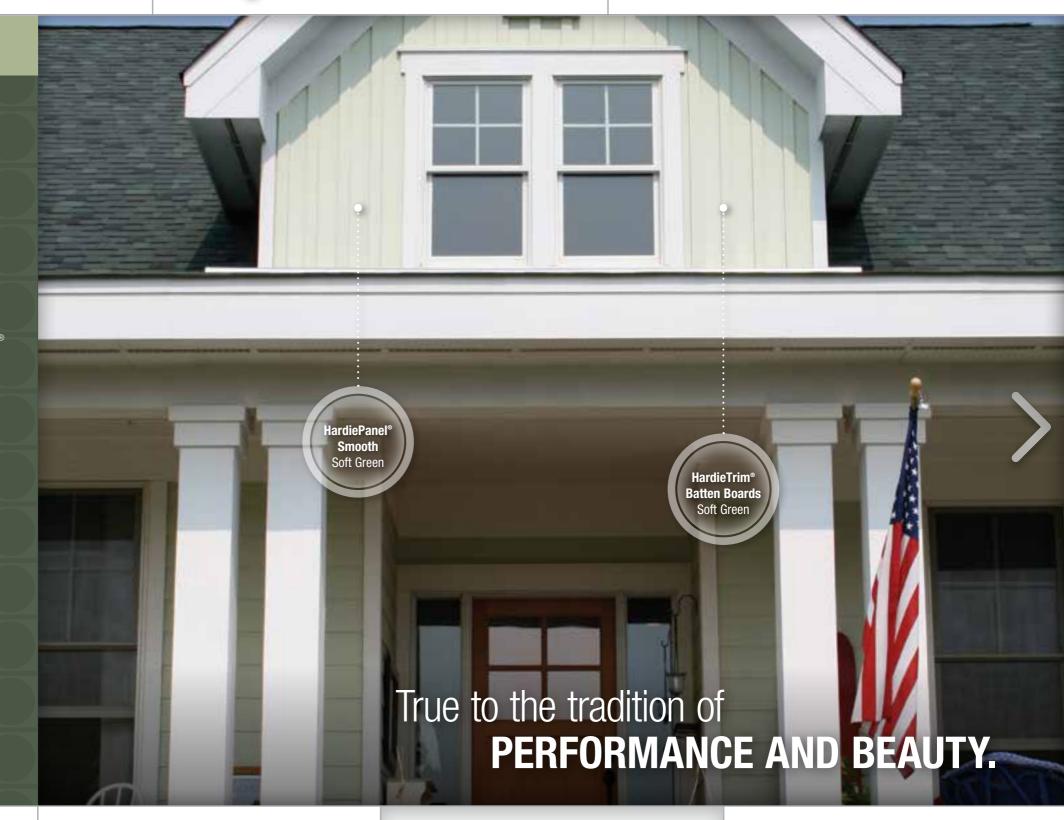
HardiePanel® Vertical Siding

HardieShingle® Siding

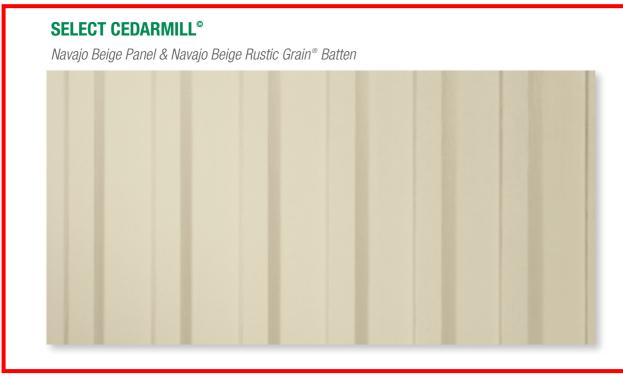
HardiePanel® Vertical Siding

HardiePanel vertical siding delivers style and substance.
When combined with HardieTrim® boards, it achieves the rustic board-and-batten look that defines cottage charm. The covered seams contribute to a well-insulated home.

Its crisp, clean lines make HardiePanel vertical siding a smart choice for strong, contemporary designs.







SMOOTH

Evening Blue Panel & Evening Blue Smooth Batten



STUCCO

Navajo Beige Panel



SIERRA 8

Not available with ColorPlus Technology



 $Products\ are\ available\ primed\ or\ with\ ColorPlus\ Technology\ finishes.\ For\ more\ details,\ visit\ \textbf{jameshardie.com}$





SELECT CEDARMILL®

Navajo Beige Panel & Navajo Beige Rustic Grain® Batten

Thickness 5/16 in.

Size 4 ft. x 8 ft. 4 ft. x 9 ft.* 4 ft. x 10 ft.

 Pcs./Pallet
 50
 50
 50

 Pcs./Sq.
 3.2
 2.8
 2.5

Available Colors



View all HardiePanel Vertical Siding Products

COUNTRYSIDE RED

*4 ft. x 9 ft. HardiePanel vertical siding only available primed.

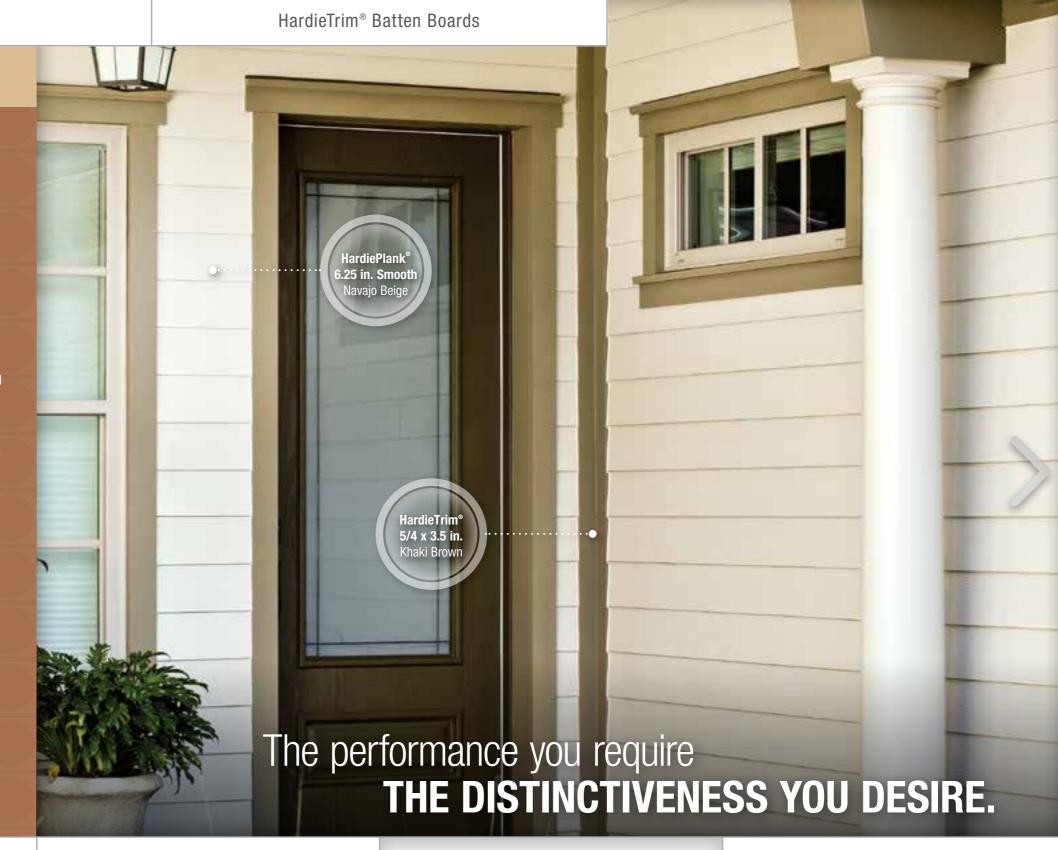




HardieTrim® Boards

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Unlike wood, it complements your long-lasting, lower maintenance James Hardie siding – adding punctuation to your design statement.





HardieTrim® Boards

HardieTrim® Batten Boards



5/4 NT3[®] SMOOTH

Arctic White



CROWN MOULDING

Arctic White

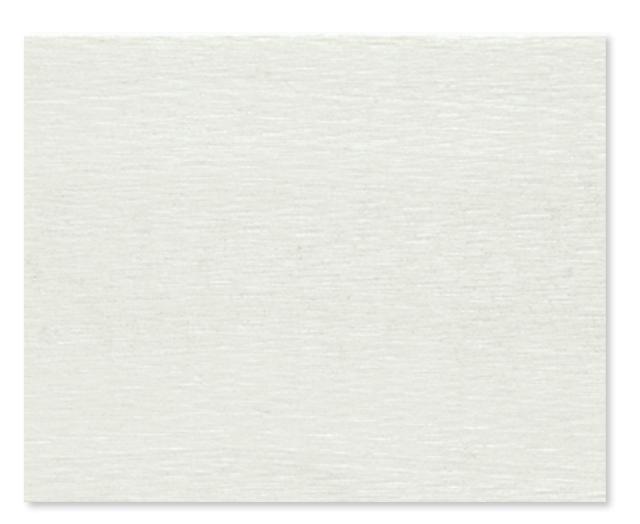


Products are available primed or with ColorPlus Technology finishes. For more details, visit **jameshardie.com**



Siding Trim Soffit HardieWrap® Finishing Touches

HardieTrim® Boards
 HardieTrim® Batten Boards



4/4 NT3® SMOOTH

Arctic White

Length

Thickness .75 in.

12 ft. boards

 Width
 3.5 in.
 5.5 in.
 7

 Pcs./Pallet
 312
 208
 1

7.25 in. 11.25 in. 156 104

WHITE

Available Colors

View all HardieTrim Boards



Laws and building and safety codes governing the design and use of glazed entrance, window, and cutain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

EC 97911-43 FEATURES

Features

- 190 narrow stile has 2-1/8" vertical stile, 2-1/4" top and 3-7/8" bottom rail
- 350 medium stile has 3-1/2" vertical stile, 3-1/2" top and 6-1/2" bottom rail
 - 500 wide stile has 5" vertical stile, 5" top and 6-1/2" bottom rail
 - Door is 1-3/4" deep
 - Dual moment welded corner construction
 - Single or double acting
 - · Offset pivots, butt hinges, continuous geared hinge or center pivots
 - · Surface mounted or concealed closers
 - MS locks or panic hardware
 - Architects Classic push/pulls
 - Infills range from 1/4" to 1"
 - · Adjustable astragal utilizing pile weathering with polymeric fin at meeting stiles
 - Sealair® bulb polymeric weatherstripping in door frames
 - Permanodic[®] anodized finishes in 7 choices
 - Painted finishes in standard and custom choices

Optional Features

- Numerous push/pull finishes
- Paneline® exit device or Paneline® EL exit device
- Wide variety of bottom rail, cross rail and muntins

Product Applications

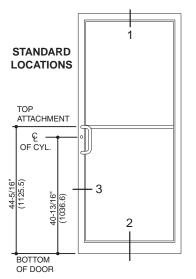
- 190 narrow stile engineered for moderate traffic in applications such as offices, stores and apartment buildings
- 350 medium stile provides extra strength for schools, institutions and other high traffic applications
- 500 wide stile creates a monumental visual statement for banks, libraries or buildings that experience heavy traffic conditions

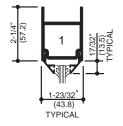
For specific product applications, Consult your Kawneer representative.

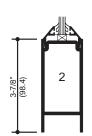


SCALE 3" = 1' 0"



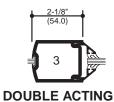




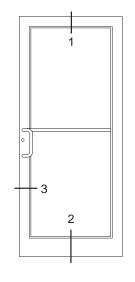


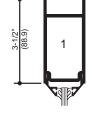


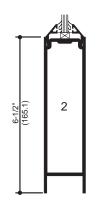
SINGLE ACTING





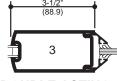






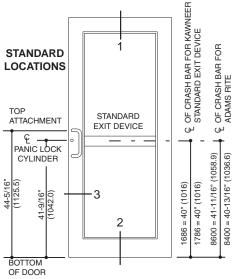


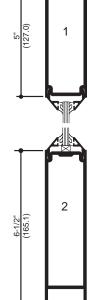
SINGLE ACTING

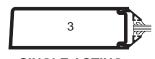


DOUBLE ACTING

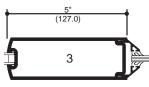
500 WIDE STILE







SINGLE ACTING



DOUBLE ACTING

KAWNEER

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

Laws and building and safety codes governing the design and use of glazed entrance, window, and cutain wail products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Items per page:



WINDOWS

DOORS

2

LEARN

WHERE TO BUY

SUPPORT

FOR THE PROS

Single Hung Windows

♠ / Windows Styles / Single Hung

YOUR SELECTION:

WINDOW STYLE

Single Hung (10)
See all Styles

NARROW RESULTS:

EXTERIOR COLORS

- □ brick (3)
- bronze (3)
- chocolate (3)
- cream (3)
- pine (3)
- driftwood (3)
- an (3)
- adobe (1)
- espresso (2)

STANDARD HARDWARE

FINISHES

- white (10)
- driftwood (3)
- tan (9)

PREMIUM HARDWARE FINISHES

- polished brass (7)
- satin nickel (3)
- dark bronze (3)

INSTALLATION

- New Construction (4)
- Replacement (6)

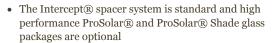
A window where the lower sash moves up and down, while the upper sash stays fixed in place is called a single hung windows. Our vinyl single hung windows are manufactured to very high standards to offer the highest quality and exceptional energy efficiency. With our range of styles, colors, and other options, they fit well in any home providing great curb appeal. The can also be used as part component of bow and bay windows.

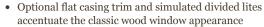


ProFinish Brickmould 300

Vinyl Single Hung New Construction Window

The Brickmould 300 series is highlighted by an attractive multi-tiered frame that provides a classic appearance. Energy-efficient glass options and various grid configurations and styles add to this value driven series.





- Styles include Single Hung, Slider, Picture and Geometrics
- Choose from white and driftwood and a wide selection of glass and grid options

Features & options are not available on all styles.

Series may not be available in all areas of the country.







10 25 ALL

See Product Details



ProFinish Master

Vinyl Single Hung New Construction Window

Superior air, water and structural ratings define the Master series. Together with an integral nailing fin and J-channel for streamlined installation, an attractive beveled frame and advanced glass options the Master series is the perfect choice for your new home.

- An across-the-line R-50 performance rating makes Master series ideal for use with storm shutters
- Available ProSolar® Low E glass with Argon gas and the Supercept™ spacer system increase energy efficiency
- A complete selection of styles allows you to choose the ideal combination
- White, tan and driftwood colors are available, along







6 See Product Details

Features & options are not available on all styles.

Series may not be available in all areas of the country.



ProFinish Contractor

Vinyl Single Hung New Construction Window

The Contractor series offers virtually unlimited size and style options to give you the ultimate in design flexibility, while providing easy installation with an integral nailing fin and J-channel and impressive energy-efficient options.

- Available ProSolar® Low E glass with Argon gas and the Supercept™ spacer system increase energy efficiency
- Choose from a complete line of styles, including a Patio Door
- White, tan and driftwood colors are available, along with unique glass and grid options

Features & options are not available on all styles. Series may not be available in all areas of the country.







See Product
 Details



ProFinish Builder

Vinyl Single Hung New Construction Window

Designed to install easily and look beautiful, Builder series windows feature an attractive angled exterior and an integral nailing fin. This essential series, offers a solid value along with homeowner favorites and energy-efficient options.

- The Intercept® spacer system is standard and high performance ProSolar® Low E glass with Argon gass is optional
- Styles include Single Hung, Slider, Picture and Geometric
- White and tan colors and several glass and grid options are available

Features & options are not available on all styles. Series may not be available in all areas of the country.







See Product Details



DaylightMax

Vinyl Single Hung Replacement Window

Simonton DaylightMax[™] windows offer less frame and more glass than most replacement windows. The unique frame design provides maximum energy efficiency that far outperforms ENERGY STAR® standards and helps you reduce your heating and cooling costs.

- Advanced glass packages are available for maximum efficiency
- Available with Decorum® exterior colors, hardware finishes and a wide selection of decorative glass options
- A narrow frame and wider viewing area provides up to 40% more daylight than wide-frame windows
- Choose from a complete selection of styles, including a







See Product Details



WINDOWS

DOORS

LEARN

WHERE TO BUY

内 图 0

SUPPORT

FOR THE PROS

Colors and Grids

↑ / Highlights / Articles /

We've combined a variety of color choices and grids in an assortment of styles and patterns so you can find what you need to coordinate with the architecture and decor of your home. Available on select lines, Decorum® by Simonton is a portfolio of unique styling options that allows you to create a look that is distinctively yours. Interior laminates provide the rich warmth of woodgrain in Antique Cherry, Maple or Contemporary Oak, or the crisp, clean simplicity of Pure White. Enhance your home's curb appeal with exterior coatings in a variety of colors.

Not all colors and patterns are available on all lines, please check for availability. Due to the limitations of the Internet and computer monitors, actual colors may vary. Please consult your sales representative to see a sample of the product before making your final selection.

Free In-Home Estimate Connect with an expert to learn about our products

Colors and Interior Laminates



White (interior/exterior)



(interior/exterior)



Driftwood (interior/exterior)



Maple (interior only, standard white exterior)





Antique Cherry (interior only, standard white exterior)



Contemporary Oak (interior only, standard white exterior)



Amber Oak* white exterior)

Tan



Honey Oak* (interior only, standard (interior only, standard white exterior)



*Available on select products only. See your Simonton Representative for complete details.

Exterior Colors



Pine



SINGLE HUNG & PICTURE WINDOWS

Single Hung — Vinyl Stock Sizes

| | Stock | Single Unit | | | | |
|---|-------|------------------------------------|-------------------------|-------------------------|-------------------------|--|
| | Sizes | Dimension | Rough Opening Single | Rough Opening Double | Rough Opening Triple | |
| | 1830 | 19 1/2 x 35 1/2 | 20 x 36 | 40 x 36 | 60 x 36 | |
| | 1832 | 19 1/2 x 37 1/2 | 20 x 38 | 40 x 38 | 60 x 38 | |
| | 1838 | 19 1/2 x 43 1/2 | 20 x 44 | 40 x 44 | 60 x 44 | |
| | 1840 | 19 1/2 x 47 1/2 | 20 x 48 | 40 x 48 | 60 x 48 | |
| | 1844 | 19 1/2 x 51 1/2 | 20 x 52 | 40 x 52 | 60 x 52 | |
| | 1846 | 19 1/2 x 53 1/2 | 20 x 54 | 40 x 54 | 60 x 54 | |
| | 1850 | 19 1/2 x 59 1/2 | 20 x 60 | 40 x 60 | 60 x 60 | |
| | 1852 | 19 1/2 x 61 1/2 | 20 x 62 | 40 x 62 | 60 x 62 | |
| | 1853 | 19 1/2 x 62 1/2 | 20 x 63 | 40 x 63 | 60 x 63 | |
| | 1856 | 19 1/2 x 65 1/2 | 20 x 66 | 40 x 66 | 60 x 66 | |
| | 1860 | 19 1/2 x 71 1/2 | 20 x 72 | 40 x 72 | 60 x 72 | |
| | 1862 | 19 1/2 x 73 1/2 | 20 x 74 | 40 x 74 | 60 x 74 | |
| | 2030 | 23 1/2 x 35 1/2 | 24 x 36 | 48 x 36 | 72 x 36 | |
| | 2032 | 23 1/2 x 37 1/2 | 24 x 38 | 48 x 38 | 72 x 38 | |
| | 2038 | 23 1/2 x 43 1/2 | 24 x 44 | 48 x 44 | 72 x 44 | |
| | 2040 | 23 1/2 x 47 1/2 | 24 x 48 | 48 x 48 | 72 x 48 | |
| | 2044 | 23 1/2 x 51 1/2 | 24 x 52 | 48 x 52 | 72 x 52 | |
| | 2046 | 23 1/2 x 53 1/2 | 24 x 54 | 48 x 54 | 72 x 54 | |
| | 2050 | 23 1/2 x 59 1/2 | 24 x 60 | 48 x 60 | 72 x 60 | |
| | 2052 | 23 1/2 x 61 1/2 | 24 x 62 | 48 x 62 | 72 x 62 | |
| | 2053 | 23 1/2 x 62 1/2 | 24 x 63 | 48 x 63 | 72 x 63 | |
| | 2056 | 23 1/2 x 65 1/2 | 24 x 66 | 48 x 66 | 72 x 66 | |
| | 2060 | 23 1/2 x 71 1/2 | 24 x 72 | 48 x 72 | 72 x 72 | |
| | 2062 | 23 1/2 x 73 1/2 | 24 x 74 | 48 x 74 | 72 x 74 | |
| | 2430 | 27 1/2 x 35 1/2 | 28 x 36 | 56 x 36 | 84 x 36 | |
| | 2432 | 27 1/2 x 37 1/2 | 28 x 38 | 56 x 38 | 84 x 38 | |
| | 2438 | 27 1/2 x 43 1/2 | 28 x 44 | 56 x 44 | 84 x 44 | |
| | 2440 | 27 1/2 x 47 1/2 | 28 x 48 | 56 x 48 | 84 x 48 | |
| | 2444 | 27 1/2 x 51 1/2 | 28 x 52 | 56 x 52 | 84 x 52 | |
| | 2446 | 27 1/2 x 53 1/2 | 28 x 54 | 56 x 54 | 84 x 54 | |
| | 2450 | 27 1/2 x 59 1/2 | 28 x 60 | 56 x 60 | 84 x 60 | |
| | 2452 | 27 1/2 x 61 1/2 | 28 x 62 | 56 x 62 | 84 x 62 | |
| | 2453 | 27 1/2 x 62 1/2 | 28 x 63 | 56 x 63 | 84 x 63 | |
| | 2456 | 27 1/2 x 65 1/2 | 28 x 66 | 56 x 66 | 84 x 66 | |
| | 2460 | 27 1/2 x 71 1/2 | 28 x 72 | 56 x 72 | 84 x 72 | |
| | 2462 | 27 1/2 x 73 1/2 | 28 x 74 | 56 x 74 | 84 x 74 | |
| | 2830 | 31 1/2 x 35 1/2 | 32 x 36 | 64 x 36 | 96 x 36 | |
| | 2832 | 31 1/2 x 37 1/2 | 32 x 38 | 64 x 38 | 96 x 38 | |
| | 2838 | 31 1/2 x 43 1/2 | 32 x 44 | 64 x 44 | 96 x 44 | |
| | 2840 | 31 1/2 x 47 1/2 | 32 x 48 | 64 x 48 | 96 x 48 | |
| | 2844 | 31 1/2 x 51 1/2 | 32 x 52 | 64 x 52 | 96 x 52 | |
| | 2846 | 31 1/2 x 53 1/2 | 32 x 54 | 64 x 54 | 96 x 54 | |
| | 2850 | 31 1/2 x 59 1/2 | 32 x 60 | 64 x 60 | 96 x 60 | |
| | 2852 | 31 1/2 x 61 1/2 | 32 x 62 | 64 x 62 | 96 x 62 | |
| | 2853 | 31 1/2 x 62 1/2 | 32 x 63 | 64 x 63 | 96 x 63 | |
| | 2856 | 31 1/2 x 62 1/2 31 1/2 x 65 1/2 | 32 x 66 | 64 x 66 | 96 x 66 | |
| _ | 2860 | 31 1/2 x 71 1/2 | 32 x 72 | 64 x 72 | 96 x 72 | |
| | 2862 | 31 1/2 x 71 1/2 31 1/2 x 73 1/2 | 32 x 72 | 64 x 74 | 96 x 74 | |
| | 3030 | 35 1/2 x 35 1/2 | 36 x 36 | | 108 x 36 | |
| | | 35 1/2 x 35 1/2 35 1/2 x 37 1/2 | 36 x 36 | 72 x 36 72 x 38 | | |
| | 3032 | | | | 108 x 38 | |
| | 3038 | 35 1/2 x 43 1/2 | 36 x 44 | 72 x 44 | 108 x 44 | |
| | 3040 | 35 1/2 x 47 1/2 | 36 x 48 | 72 x 48 | 108 x 48 | |
| | 3044 | 35 1/2 x 51 1/2 | 36 x 52 | 72 x 52 | 108 x 52 | |
| | 3046 | 35 1/2 x 53 1/2 35 1/2 x 59 1/2 | 36 x 54 36 x 60 | 72 x 54 72 x 60 | 108 x 54 108 x 60 | |

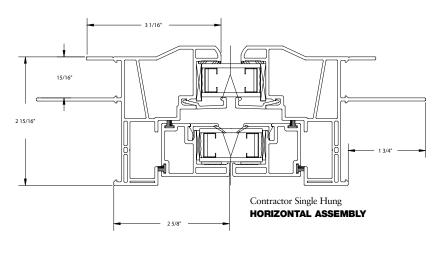
Picture - Vinyl Stock Sizes

| Stock Sizes | Unit Dimension | Rough Opening | | | |
|----------------|-------------------|--------------------|--|--|--|
| 1830 | 19 1/2 x 35 1/2 | 20 x 36 | | | |
| 1832 | 19 1/2 x 37 1/2 | 20 x 38 | | | |
| 1838 | 19 1/2 x 43 1/2 | 20 x 44 | | | |
| 1840 | 19 1/2 x 47 1/2 | 20 x 48 | | | |
| 1844 | 19 1/2 x 51 1/2 | 20 x 52 | | | |
| 1846 | 19 1/2 x 53 1/2 | 20 x 54 | | | |
| 1850 | 19 1/2 x 59 1/2 | 20 x 60 | | | |
| 1852 | 19 1/2 x 61 1/2 | 20 x 62 | | | |
| 1853 | 19 1/2 x 62 1/2 | 20 x 63 | | | |
| 1856 | 19 1/2 x 65 1/2 | 20 x 66 | | | |
| 1860 | 19 1/2 x 71 1/2 | 20 x 72 | | | |
| 1862 | 19 1/2 x 73 1/2 | 20 x 74 | | | |
| 2030 | 23 1/2 x 35 1/2 | 24 x 36 | | | |
| 2032 | 23 1/2 x 37 1/2 | 24 x 38 | | | |
| 2038 | 23 1/2 x 43 1/2 | 24 x 44 | | | |
| 2040 | 23 1/2 x 47 1/2 | 24 x 48 | | | |
| 2044 | 23 1/2 x 51 1/2 | 24 x 52 | | | |
| 2046 | 23 1/2 x 53 1/2 | 24 x 54 | | | |
| 2050 | 23 1/2 x 59 1/2 | 24 x 60 | | | |
| 2052 | 23 1/2 x 61 1/2 | 24 x 62 | | | |
| 2053 | 23 1/2 x 62 1/2 | 24 x 63 | | | |
| 2056 | 23 1/2 x 65 1/2 | 24 x 66 | | | |
| 2060 | 23 1/2 x 71 1/2 | 24 x 72 | | | |
| 2062 | 23 1/2 x 73 1/2 | 24 x 74 | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| N/A | N/A | N/A | | | |
| 3030 | 35 1/2 x 35 1/2 | 36 x 36 | | | |
| | 35 1/2 x 37 1/2 | + | | | |
| 3032 | | 36 x 38 36 x 44 | | | |
| 3038 | 35 1/2 x 43 1/2 | | | | |
| 3040 | 35 1/2 x 47 1/2 | 36 x 48 | | | |
| 3044 | 35 1/2 x 51 1/2 | 36 x 52 | | | |
| 3046 | 35 1/2 x 53 1/2 | 36 x 54 | | | |
| 3050 | 35 1/2 x 59 1/2 | 36 x 60 | | | |

Vinyl Stock Sizes continued on page 3.

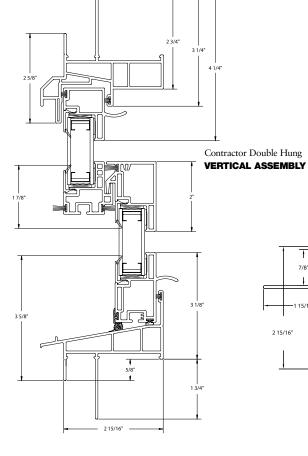
ARCHITECTURAL DETAILS

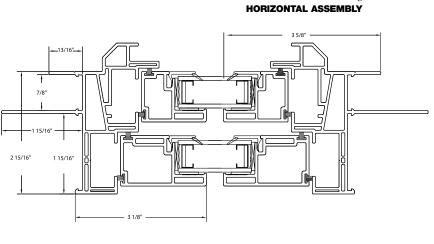
Contractor Single Hung



Contractor Single Hung **VERTICAL ASSEMBLY**

Contractor Double Hung

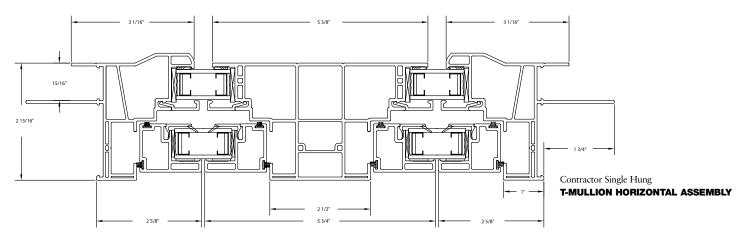




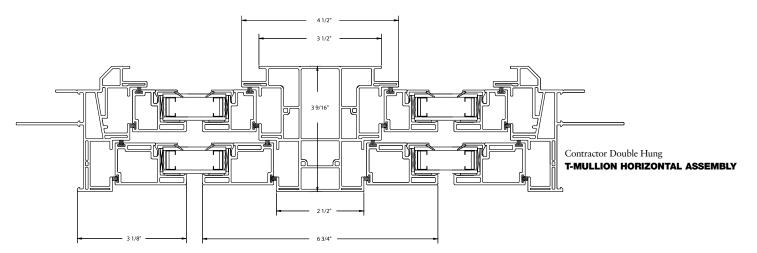


ARCHITECTURAL DETAILS

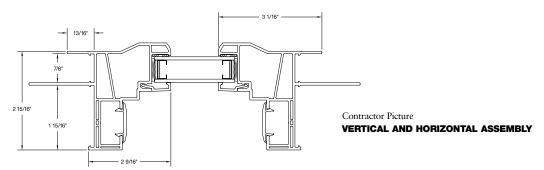
Contractor Single Hung



Contractor Double Hung



Contractor Picture





OVERHEAD DOORS PAINTED GREY

Home • Commercial • Sectional Steel Doors • Non Insulated Doors • Model C-2400

Sectional Steel Door Model C2400

Visually Appealing Doors for Medium Duty Commercial Applications



Key Product Features:

- Optional polystyrene insulation, R-Value=7.64
- Nominal 24 Gauge Ribbed Steel Sections
- Max Width 20'2"
- Tongue-and-Groove Joint Profile
- · Ribbed exterior with embossed or smooth finishes in white or brown

The Wayne Dalton C-2400 steel sectional door is available in a variety of sizes and an excellent value. Featuring nominal 24-gauge ribbed steel sections, the C-2400 offers a number of lite and insulation options. Available with an embossed finish in white or brown or a white smooth finish, the exterior of the C-2400 features a ribbed surface for increased strength and added visual appeal. Unique boxed-stile design with full 2" thickness and 3" width, plus tongue-and-groove construction, add vertical stability and strength. The stiles are continuously bonded to the skin surface with high strength adhesive, resulting in the strongest possible unit.

Documents

- Brochure
- Specifications (PDF)
- Specifications (DOC)
- Door Operating Clearance
- Panel and Section Selection Guide
- Track Selection Guide
- Shop Drawing (PDF)
- Shop Drawing (DWG)
- Installation
- Installation Attachment
- Warranty
- Windload Options

Colors Options:

A smooth or stucco-embossed finish with baked-on polyester primer and white or brown polyester finish coats. Each section features a ribbed surface for increased strength and aesthetics.



White Smooth Finish



Brown Smooth Finish



White Stucco



Brown Stucco Finish

Window Options:



Vision lites allow for visibility while maintaining security



Aluminum full view sections allow for maximum natural light and visibility

Materials & Construction

Wayne Dalton's C-2400 steel sectional doors feature pre-finished interior and exterior skins on nominal 24-gauge hot-dipped galvanized steel sections roll-formed to a full 2" thickness for ultimate strength and durability. The 3" wide fully-fitted boxed stiles are adhered with adhesive, preventing rust and leakage associated with rivets. Standard bottom door seal along with optional seals on the perimeter and between sections greatly reduce air leakage, adding to the thermal efficiency of the building.

Additional options include insulation and weather stripping that provide a U-value of 0.13 and an R-value of 7.60; factory installed vision lites or aluminum full view sections; and special engineering to meet wind load requirements.

*Wayne Dalton uses a calculated door section R-Value for insulated doors.



Home • Commercial • Sectional Steel Doors • Insulated Steel Doors • Model 150

LOADING DOCK DOOR

Thermospan® 150 Sectional Steel Door

Insulated Sectional Steel Doors For Efficiency and Strength



Key Product Features:

- Polyurethane insulation, R-Value*=14.16
- Max Width 26'2"
- 1-3/8" Section Thickness
- · Patented, roll-formed integral struts for rigidity
- · Stucco embossed exterior with pinstriping

Wayne Dalton's Thermospan[®] 150 polyurethane insulated sectional steel door provides excellent thermal efficiency. Featuring an R-value of 14.16 (U-value of .0706), the Thermospan 150 is an excellent value when thermal efficiency is important but strength, rigidity and durability can't be compromised.

The Wayne Dalton Thermospan[®] Series doors are the only doors in the industry with patented, roll-formed integral struts on each section, making them the most rigid doors available.

Documents

- Brochure
- Specifications (PDF)
- Specifications (DOC)
- <u>Door Operating Clearance</u>
- Panel and Section Selection Guide
- Track Selection Guide
- Shop Drawing (PDF)
- Shop Drawing (DWG)
- Installation
- Warranty
- Windload Options

Color Options

Pre-painted exterior is factory-finished with baked-on corrosion-resistant primer and a white, brown, gray or tan finish coat.









Window Options:

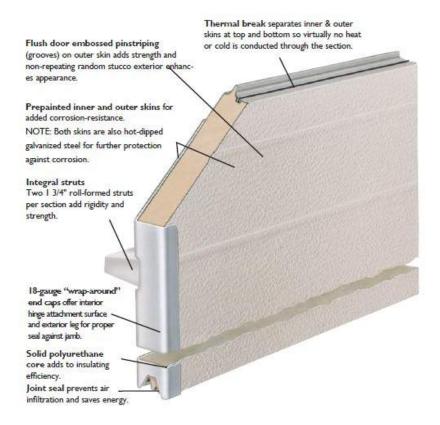


Vision lites allow for visibility while maintaining security



Aluminum full view sections allow for maximum natural light and visibility

Materials & Construction



The Thermospan[®] 150 is manufactured using our patented, continuous foamed-in-place technology, in which the polyurethane core is securely bonded to hot-dipped galvanized inner and outer skins. This process gives the Thermospan 150 outstanding thermal, strength, and bonding characteristics while creating a door that is significantly more efficient than conventional insulated steel doors. A designed-in joint seal also helps save energy by preventing air filtration. Optional factory glazed windows and aluminum full view panels, combined with three standard finishes (white, brown and tan), help ensure that the Thermospan[®] 150 meets your aesthetic requirements as well.

The Thermospan[®] 150 is designed for easy installation, rugged durability and longer life. Features such as 18-gauge steel end caps and two 13/4" roll-formed struts on each section give the Thermospan[®] 150 increased rigidity, while the factory finished interior and exterior hot-dipped, galvanized skins make installation easier, add life to the door and provide greater durability. The Thermospan[®] 150 also features hardware plates at all fastener points to add durability and extend the life of the door.

*Wayne Dalton uses a calculated door section R-Value for insulated doors.





ENGINEERED STEEL PRODUCTS

Priced Full Line Products Catalog

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Monday, May 25, 2015

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HEAVY DUTY INDEPENDENT RAIL SYSTEM







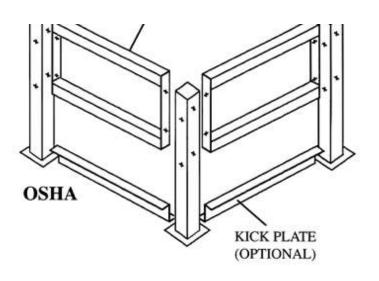
NEW! Optional Finishes!

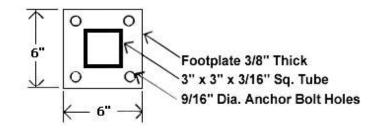
Our standard finish is a quick dry enamel in a variety of colors. Now we are pleased to offer our products with a hot-dipped galvanized finish or in a duplex system which is paint over a hot-dipped galvanized undercoat.

FACTORY WELDED ONE PIECE RAIL AND MIDRAIL

UNIVERSAL

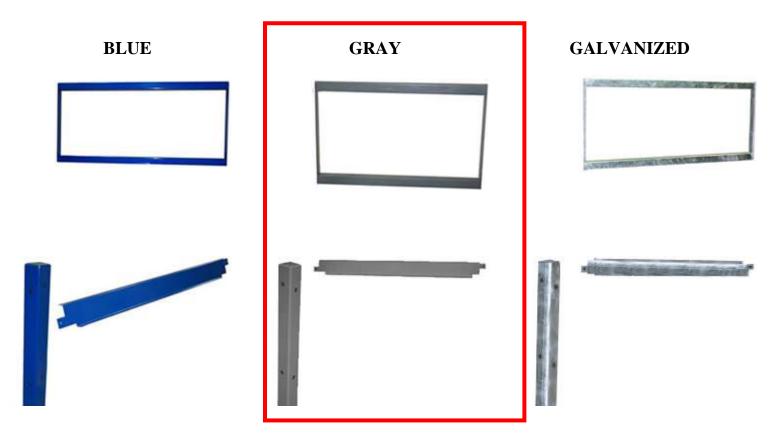
Only Two Parts - Posts and welded rail sections can be assembled to run in any direction. This unique staggered hole design makes this railing system completely re-arrangeable as your layout and railing requirements change. Optional kick plate is available for use on raised platforms.







- * Meets OSHA requirements.
- * Factory welded rail and midrail constructed of 2" x 2" x 14 Ga. square tubing.
- * Extra heavy duty universal rail posts constructed of 3" x 3" x 3/16" structural tubing. Posts are predrilled to allow multi-directional railing assembly.
- * Staggered hole design allows multi-directional railing assembly.
- * No left or right handed parts to contend with all are universal.
- * No separate floor sockets to lose
- * Welded baseplate is pre-punched for rigid floor fastening
- * Optional kickplate constructed of 14 ga. steel formed into a 4" high Z-shape. Kick plate attaches to universal posts with self tapping screws.
- * Standard finishes yellow, blue, gray, others available upon request.
- * Optional finish galvanized for external or severe environments. Prices upon request.















Optional kick plate in use on raised shipping dock

Rail on dock without optional kickplate



Staggered bolt hole design - just flip rail section to go from right hand to left hand turn.



Welded baseplate provides maximum rigidity for post installation



Solid protection for elevated areas.

ORDERING NOTES:

- 1. Assembly hardware is included.
- 2. Floor fasteners are optional.
- 3. Specify color when ordering standard yellow, blue, or gray.
- 4. For special length rail section use price of next larger standard. Example: A 90" long rail section would be \$127.65 by using the price of the standard 8' section RMR-8.
- 5. Custom sizes and other modifications available upon request.

, ., ., .,

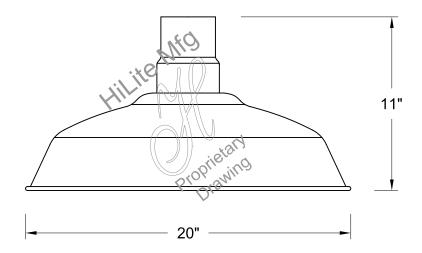


HI-LITE MFG. CO., INC

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H-15120 Warehouse Shade Collection

| Job Name: | |
|-----------|---|
| Туре: | _ |
| Quantity: | _ |
| | |



FINISH -Multi-stage pretreatment procedure using materials of polyester/polished powder coat, baking enamel liquid, raw metals, and galvanized finishes.

Standard Finishes are: 91(Black), 93(White), 95(Dark Green), 96(Galvanized),

BR47(Powder Coat Rust), BK01(Black Texture), GN20(Powder Coat Patina).

Upgraded Finishes are: 29, 66, 82, 90, 92, 94, 97, 99, 100, 103, 104, 105, 110, 112, 113, 114, 115, 117, 118, 119, 120, 127, 128, 129, 133, 134, 135, 136, 138, 139, 140, 11, 98, 101, 102, 137, 121, 122, 123, 124, 125, 126, 01, 22, 25, 33, 77, 89, 24, 44, 48, 49, 15, 16, 55.

(Custom finishes available).

For interior finish of fixture refer to color chart on pages 344-348.

MOUNTING - Cord, Stem, Arm, and Flush mounting available.

ACCESSORIES - CGU(Cast Guard and Glass), LCGU(Large Cast Guard and Glass), WGU(Wire Guard and Glass), LWGU(Large Wire Guard and Glass), ARN(Acorn Globe), LARN(Large Acorn Globe), WGR(Wire Guard), SK(Swivel Knuckle) and FX(Flexible tubing for cord mounted fixture only) available.

REFLECTOR - Heavy duty, spun shade, aluminum 6061-0 and/or 1100-0, galvanized 22 gauge, steel 20/22 gauge, copper 032/040 and brass 032/040 construction. Dependant on finish.

SOCKETS/LAMPS - Available in:

Incandescent

- rated 200 watt max/120 volt, medium base.

Compact Fluorescent(CFL)

 rated 13/18/26/32/42/57 watt max/120/277 volt, GX24Q base.

Metal Halide(MH)

 rated 35/50/70/100/150/175 watt max/120/208/240/277 volt, medium base, 4KV socket.

High Pressure Sodium(HPS)

 rated 50/70/100/150 watt max/120/277 volt, medium base.

Light-Emitted Diode(LED)

- rated 20w12(20w-1250) lumens, 20w20(20w-2000) lumens.





FEATURES & SPECIFICATIONS

INTENDED USE — For entrances, loading docks, walkways and vehicle ramps.

CONSTRUCTION — Rear housing: Rugged, corrosion-resistant, die-cast aluminum. Corrosion-resistant external hardware includes slotted hex-head and tamperproof fasteners.

Front housing and refractor: one-piece, injection-molded, UV-stabilized polycarbonate.

Finish: Dark bronze (DDB) corrosion-resistant polyester powder.

OPTICS — Reflector is finished in white thermoset polyester powder, electrostatically applied. Standard finish on opaque portion of front cover and back housing is dark bronze polyester enamel. Refractor is sealed and gasketed to inhibit the entrance of outside contaminants.

ELECTRICAL — Ballast: Low and high pressure sodium are high reactance, high power factor. Metal halide 50-150W are high reactance, high power factor and are standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175M (CSA, NOM or INTL required for probe start shipments outside of the US). Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for 175M (SCWA option) for US shipments only. Ballast is 100% factory-tested.

Socket: Porcelain, horizontally oriented, single-ended bayonet base socket for 35W low pressure sodium; medium base socket for 70-150W; and mogul base socket for 175W with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

INSTALLATION — Top 3/4" threaded wiring access. Back access through removable 3/4" knockout. Feed-thru wiring can be achieved by using a condulet tee. Mount on any flat, vertical surface.

LISTINGS — Listed and labeled to UL standards. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). UL listed for 25°C ambient and wet locations. IP64 rated.

Note: Not recommended for use in car wash interior applications.

Specifications subject to change without notice.

Catalog
Number

Notes

Type



Wall Packs

TWP

METAL HALIDE 70W-175W HIGH PRESSURE SODIUM 35W-150W LOW PRESSURE SODIUM 35W 8' to 15' Mounting

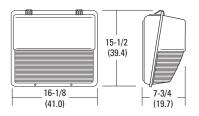
Example: TWP 100M 120 LPI

Specifications

Height: 15-1/2 (39.4) Width: 16-1/8 (41.0) Depth: 7-3/4 (19.7)

*Weight: 17.9 lbs. (8.12 kg)
All dimensions are inches (centimeters)
unless otherwise indicated.

* Weight as configured in example below.



ORDERINGINFORMATION

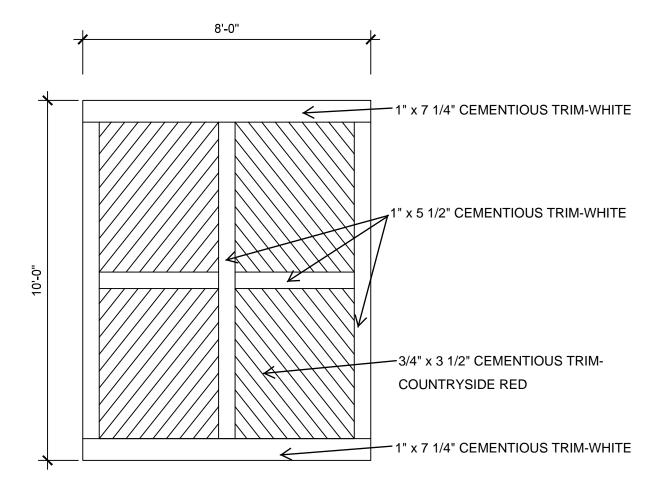
For shortest lead times, configure product using **standard options** (shown in bold).

| TWP | | | | | | | | |
|--------|--|--|--|--|---|--|-------------|-----------|
| Series | Wattage | Voltage | Ballast | Options | Finish | | Lamp | 13 |
| TWP | Metal halide 70M¹-2 100M¹ 150M 175M²-3 Ceramic metal halide 70MHC¹-2 100MHC¹ 150MHC High pressure sodium¹ 355⁴ 505 70S 100S 150S³ Low pressure sodium¹ 35L | 120 2086 2406 277 347 4808 TB7 23050HZ8 | (blank) Magnetic ballast CWI Constant wattage isolated Pulse Stort SCWA Super CWA pulse start ballast Note: For shipments to U.S. territories, SCWA must be specified to comply with EISA. | Shipped installed in fixture SF Single fuse (120, 277, 347V) DF Double fuse (208, 240, 480V) EC Emergency circuit ⁹ QRS Quartz restrike ⁹ QRSTD Quartz restrike system with time delay ^{8, 9} PE Photoelectric cell, button type ¹⁰ CSA Listed an labeled to comply with Canadian Standards NOM NOM Certified ⁸ INTL Available for 175M probe start shipping outside the U.S. FS Full shield Shipped separately ¹¹ WG Wire guard | (blank) DBL DMB DWH DNA DSS CR CRT | Dark bronze Black Medium bronze White Natural aluminum Sandstone Enhanced corrosion resistant Non-stick protective coating ¹² | LPI L/LP | Less lamp |

Notes

- 1 Not available with SCWA.
- 2 Not available with 480V.
- 3 These wattages do not comply with California Title 20 regulations.
- 4 120V only.
- 5 Operates 55V lamp.
- 6 Must specify CWI for use in Canada.
- 7 Optional multi-tap ballast (120, 208, 240, 277V). In Canada 120, 277, 347V; ships as 120/347.
- Consult factory for available wattages.
- 9 Maximum allowable wattage lamp included.
- 10 Not available with 480V or TB.
- 11 May be ordered as an accessory with prefix TWP. Requires field modification.
- 12 Black finish (coating applied to housing only).
- 13 Must be specified. L/LP N/A MHC.

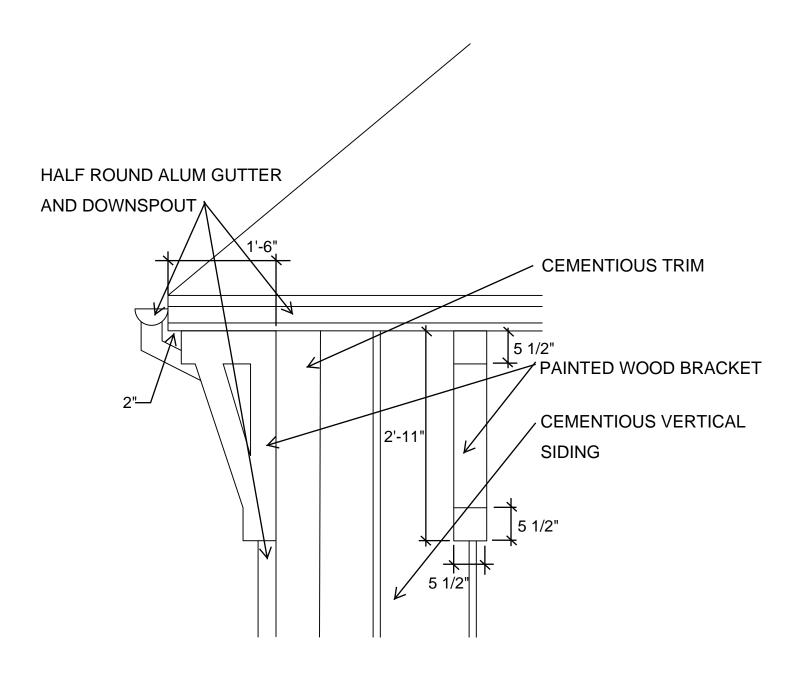
OUTDOOR TWP_M_S_L



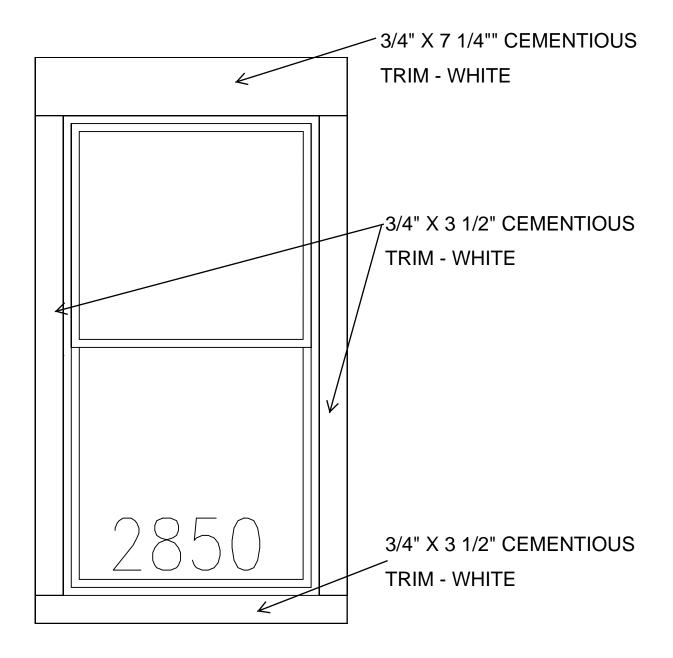
LINCOLN STREET DEVELOPMENT - PANEL DETAIL

3/8" = 1'-0"

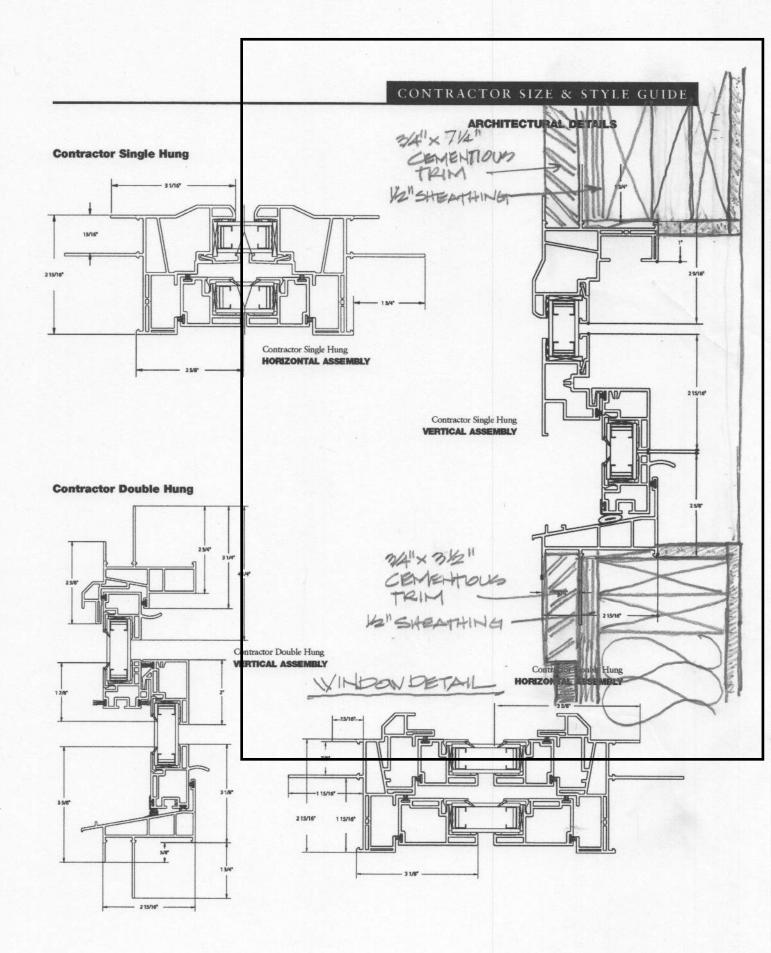
5-27-15



LINCOLN STREET DEVELOPMENT - SOFFIT DETAIL



LINCOLN STREET DEVELOPMENT - WINDOW DETAIL





CANOPY AT ENTRY - SIM. TO THIS MANUFACTURED BY WANNER METAL WORX - DELAWARE, OHIO