AGENDA
CITY OF STURGEON BAY
AESTHETIC DESIGN & SITE PLAN REVIEW BOARD
Monday, October 25, 2021
6:00 p.m.
Council Chambers, City Hall
421 Michigan St, Sturgeon Bay, WI

1. Roll call
2. Approval of agenda
3. Approval of minutes from October 11, 2021
4. Consideration of: Construction of a 98 x 40 Theater Building located at 917 N 14th Avenue
5. Consideration of: Pavilion / Office for Bay Marine located at 267 Nautical Drive
6. Consideration of: Ace Hardware Development located at 1227 Egg Harbor Rd
7. Consideration of: Lexington Homes 14-unit Multiple Family Development located on east side of Grant Avenue
8. Adjourn

NOTE: DEVIATION FROM THE AGENDA ORDER SHOWN MAY OCCUR.

Board Members:
Rick Wiesner
Jon Burk
Cheryl Frank
Kelsey Fox
Pam Jorns
Mark Struck
Dave Augustson

10/21/21
1:08 p.m.
CJ

AESTHETIC DESIGN AND SITE PLAN REVIEW BOARD
Monday, October 11, 2021

The Aesthetic Design and Site Plan Review Board meeting was called to order at 6:01 p.m. by Chairperson Rick Wiesner in the Council Chambers, City Hall, 421 Michigan Street.

Roll Call: Members Rick Wiesner, Jon Burk, Kelsey Fox, Dave Augustson, and Pam Jorns were present. Excused was Cheryl Frank and Mark Struck. Also present were Planner/Zoning Administrator Christopher Sullivan-Robinson and Police Assistant Candy Jeanquart.

Adoption of Agenda: Moved by Mr. Augustson, Seconded by Mr. Fox to adopt the following agenda.

1. Roll call.
2. Adoption of agenda.
3. Approval of minutes from September 13, 2021
4. Consideration of: Brewed Awakening – Canopy Signage.
5. Adjourn.

All ayes. Carried.

Approval of minutes from September 13, 2021: Moved by Ms. Jorns, Seconded by Mr. Burk to approve all the minutes. **All in favor. Carried**.

Consideration of: Brewed Awakening – Canopy Signage: Mr. Sullivan-Robinson stated the 4x10 vinyl sign over the canopy is already being displayed, along with two others signs on site with one off the entrance of 4th Avenue and the other in the parking lot. The two other signs are considered direction signs, so don't need approval. The sign over the canopy needs approval due to being over 4 square feet. The sign is made out of banner material and fastened to the roof.

Ms. Jorns asked how many other business owners can display banners on the building. Mr. Sullivan-Robinson stated if this sign is approved, no other owners can display a banner due to one banner per site. Mr. Wiesner asked what the maximum square footage the signs can be for this building. Mr. Sullivan-Robinson stated 1 square foot per linear foot per building width based on the facia it is on and a multi-tenant building is based on the space you occupy. If more street frontage then more signage. Ms. Fox asked if the building owner plans on doing a more uniform tenant signage and Mr. Sullivan-Robinson stated no update on that. Mr. Burk asked if the sign was meant to be permanent and Mr. Sullivan-Robinson stated that is what he was told. Mr. Wiesner expressed should be no permanent signs made of vinyl. Mr. Sullivan-Robinson stated if the sign was under 4 square feet wouldn't need approval. If the sign is denied, the owner can apply for a permit for a banner sign for 1 year due to commercial use. Only a 30 limit for anything that isn't zoned commercial or industrial. Ms. Fox asked what the regulations are for a multi-tenant building for signage. Mr. Sullivan-Robinson stated commercial zones are broken out in two categories and both are dictated by the amount of space occupied in the building determines the amount of signage you get. Ms. Fox expressed having one orderly fashion signage in front of the building listing all the tenants.

Ms. Jorns made a motion to deny as presented. Seconded by Mr. Burk. All in favor. Carried.

Adjourn: Moved by Ms. Jorns, seconded by Mr. Burk to adjourn. All ayes. Carried. The meeting adjourned at 6:20 p.m.

Respectfully submitted,
Candy Jeanquart
Candy Jeanquart
Police Assistant

Christopher Sullivan-Robinson
Planner/Zoning Administrator
421 Michigan Street
Sturgeon Bay, WI 54235

Phone: 920-746-2907
Fax: 920-746-2905
E-mail: csullivan-robinson@sturgeonbaywi.org
Website: www.sturgeonbaywi.org

MEMO

To: Aesthetic Design and Site Plan Review Board
From: Christopher Sullivan-Robinson
Date: October 14, 2021
Subject: Construction of a 98' x 40' Theater Building located at 917 N 14th Avenue

Stuart Champeau representing DC Arts Center, LLC is requesting approval for the construction of a 98' x 40' building to be located at 917 N 14th Avenue. This site is currently vacant and previously contained an old carwash facility. It is important to know that this approval is solely for the building and the building footprint. The parking lot, landscaping, signage, and lighting will need to be reviewed at a later time and should be made a condition of any approval granted. Based on your guidelines the most applicable sections are as follows:

(1) Site layout.

(b) The site shall be designed to accomplish a desirable transition from the public streetscape, and between commercial, industrial, and residential land use areas.

(d) Where possible, buildings should be situated on the site to promote and protect public views to and along shorelines from public roads and other public lands.

(g) Where a pattern of relatively consistent building setbacks exists on a street, new buildings should be situated to closely match such setback pattern.

(2) Access, circulation and parking.

(a) Vehicular driveways into the site shall be located in a manner to minimize traffic congestion and difficult turning movements and shall be coordinated with existing and proposed access points on adjoining or nearby properties. Individual developments having more than one access points per street are discouraged and shared access driveways with adjoining properties is encouraged.

(b) The interior circulation of the site shall be designed to provide for the convenient and safe flow of pedestrians and non-pedestrian traffic through the site and to/from public streets or sidewalks.

(d) Off-street parking located to the rear or side of buildings is preferred over parking between the building and the street, particularly if the amount of off-street parking supplied is greater than required under the zoning code. For stand-alone buildings under 15,000 square feet, it is preferable that not more than one tier (single row or double row) of parking be located between the building and the street it fronts.

(f) Permeable surfaces, bioswales, rain gardens, and other forms of stormwater runoff prevention for parking and on-site traffic areas are encouraged.

(3) Building design.

(a) Buildings shall not be limited to a preferred type of architecture or building materials. However, architectural styles, which are generally not common to Sturgeon Bay or Northeastern Wisconsin, are discouraged.

(b) Buildings should be sited and designed to be aesthetically pleasing as viewed from adjoining public streets. Excessively long, unbroken building facades shall be avoided. Building materials and design features shall be consistent with the general design theme and/or proposed use of the development.

(d) Buildings on in-fill sites shall be compatible with surrounding buildings in terms of scale, massing, height, entrances, and windows.

(e) Rhythm/re-occurring patterns in windows and storefronts are encouraged.

(f) Building components, such as windows, doors, eaves, and parapet, should be in proportionate scale in relationship to one another.

(g) The use of door and window canopies and awnings is encouraged.

(h) The use of special architectural features, including projecting windows, towers, turrets, arches and cupolas are encouraged, particularly on corner buildings.

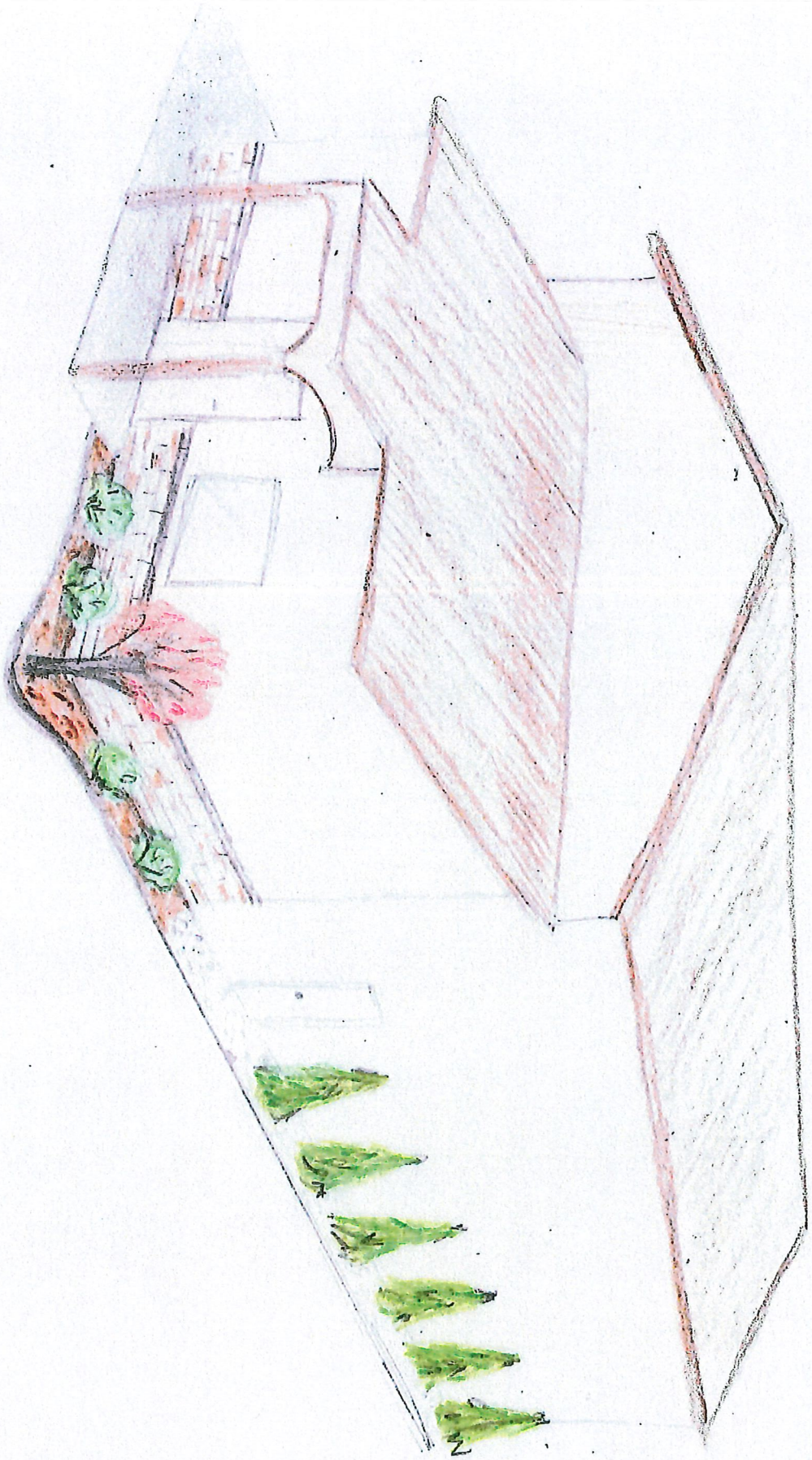
(j) Designs seeking Leadership in Energy and Environmental Design (LEED) certification are encouraged.

(m) Blank walls viewable from the street are undesirable.

(4) Materials and colors.

(b) The use of identical building materials on all sides of a building that are visible from public streets is encouraged.

(d) Metal siding is strongly discouraged except for industrial buildings or for facades not facing public areas such as streets or parking areas.



GENERAL NOTES AND SPECIFICATIONS

1. The materials and labor shown on these plans that are provided by Cleary Building Corp. are limited to those materials and labor as defined by the Cleary Building Corp. contract. Additional materials or accessories that are not being provided by Cleary Building Corp. may be shown on plans for context or building code compliance.

2. This building is designed in accordance with the following codes and specifications:
   Wisconsin Commercial Building Code (WCBC)
   National Design Specifications for Wood Construction

   Risk Category: — II
   Use Group(s) Classification: — A-1
   Building Use: — Performance Arts Theater
   Type of Construction: — Type VB
   Building Gross Square Footage: — 3812 Sq. Ft.
   Fire Area: — 4078 Sq. Ft.

   Building Design Loads:
   Snow Design Data:
   Design Truss Load: — 47.1 PSF
   Ground Snow Load (P_g): — 50 PSF
   Flat Roof Snow Load (P_f): — 38.5 PSF
   Snow Exposure Factor (C_e): — 1
   Snow Load Importance Factor (I_s): — 1.0
   Thermal Factor (C_t): — 1.1
   Sloped Roof Snow Load (P_s): — 33.1
   Unbalanced Snow Load: — 0 PSF Windward
   Per SPS 362.1608 (1) — 43.1 PSF Leeward
   Wind Design Data:
   Design Wind Speed: — 115 MPH
   Wind Exposure: — C
   Wind Load Importance Factor (I_w): — 1
   Earthquake Design Data:
   Seismic Design Category: — A
   Spectral Response Coefficients (S_{DS}): — 0.054g
   (S_{D1}): — 0.052g
   Site Class: — D
   Seismic Importance Factor (I_E): — 1.0
   Mapped Spectral Response Accelerations (S_S): — 5%g
   (S_1): — 3.2%g
   Response Modification Factor (R): — 6

3. All lumber, unless noted otherwise, shall be S4S #2 SPF or better. All lumber embedded in the ground shall be treated with Chromated Copper Arsenate to a retention level of .60 lbs. per cubic foot.

4. Grading should be such that the surface water is drained away from the foundation. Minimum grade would be six inches of vertical drop per ten feet of horizontal away from the foundation (5%).

5. Fill used for concrete floor slab sub grade, if present, shall be reasonably graded granular material. Fill used in columns holes shall be the excavated soil unless noted otherwise. All fill shall be free from debris, stones over 4"ø and frozen material.

6. Electrical work is not a part of this drawing and shall be installed as per applicable codes.

7. Heating, ventilating, and air conditioning work is not a part of this drawing and shall be installed as per applicable codes.

8. Plumbing work is not a part of this drawing and shall be installed as per applicable codes.

9. All nails are to be threaded hardened steel unless otherwise noted.

10. This design is based on a building site with sand, silty sand, clayey sand, silty gravel, clayey gravel soil. As per the WCBC building code and IBC Table 1806.2, an assumed soil bearing design value of 2000 psf has been used in this design. If information is discovered before or during construction contrary to this, the building designer should be contacted.

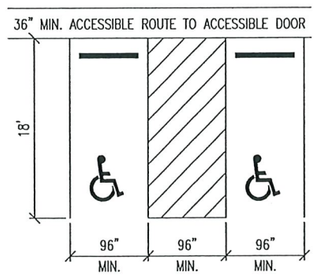
NOTE:
PLEASE BE ADVISED THAT ARTIFICIAL LIGHTING IS NOT PART OF THIS DESIGN. IF ARTIFICIAL LIGHTING IS TO BE USED IN THIS BUILDING, STATE LAW REQUIRES IT TO BE DESIGNED BY A REGISTERED PROFESSIONAL TO COMPLY WITH SPS 363.0501 AND 363.0505. THE PLANS AND SPECIFICATIONS SHALL BE KEPT ON SITE FOR REVIEW BY THE BUILDING INSPECTOR.

NOTE:
NO FORM OF PUBLIC TRANSPORTATION STOPS ADJACENT TO PROPERTY

NOTE:
A SEPARATE ROOM OR SPACE SHALL BE PROVIDED ON THE SITE FOR THE STORAGE OF RECYCLABLE MATERIALS

NOTE:
MINIMUM OF ONE 132" WIDE VAN ACCESSIBLE PARKING STALL AND ONE 60" WIDE PARKING ACCESS AISLE. IF MORE THAN 25 TOTAL PARKING SPACES, A MINIMUM OF ONE 96" VAN AND ONE 96" CAR ACCESSIBLE PARKING STALL SHARING ONE 96" ACCESS AISLE IS REQUIRED. HANDICAP PARKING SIGNS SHALL BE PLACED ON ADEQUATE SUPPORTS NOT LESS THAN 5' FROM PARKING SURFACE OR CURB AND SHALL INDICATE WHICH SPACE(S) ARE DESIGNATED. SIGN DESCRIPTION SHALL COMPLY WITH TRANSPORTATION RULE 200.07.

ABBREVIATIONS:
NBC = NOT BY CLEARY
BCS = BY CLEARY SUB



ACCESSIBLE PARKING STALL

TABLE OF CONTENTS

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

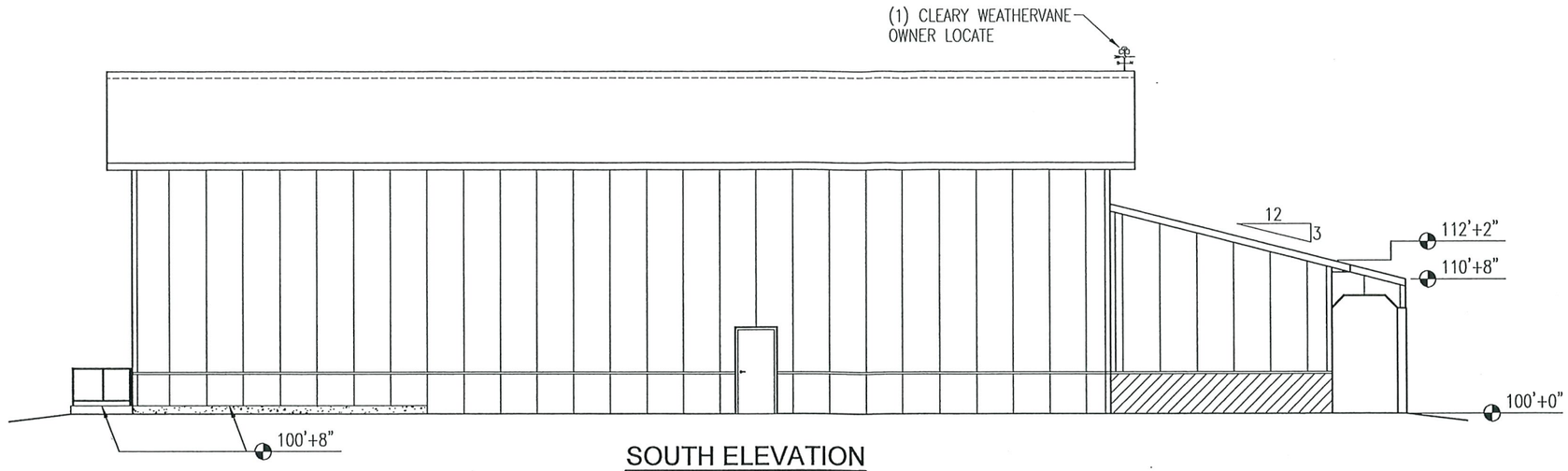
PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

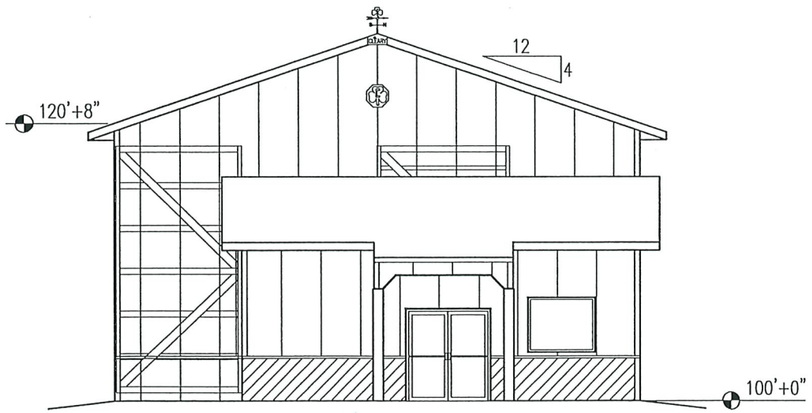
PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: SITE PLAN

PROJECT NUMBER: 2020104484
SHEET NUMBER: 100
SHEET SCALE: *3/32"=1'-0"*

WISCONSIN
Kenton W. Gates
E-37693
Madison, WI
PROFESSIONAL ENGINEER
7/16/21



SOUTH ELEVATION



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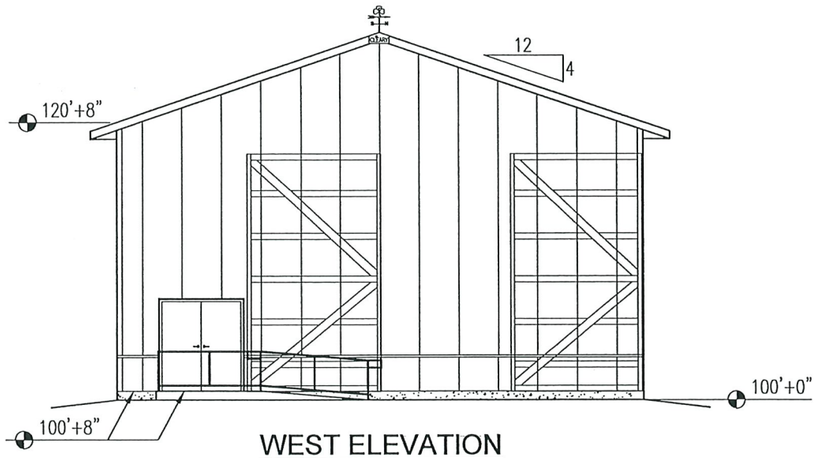
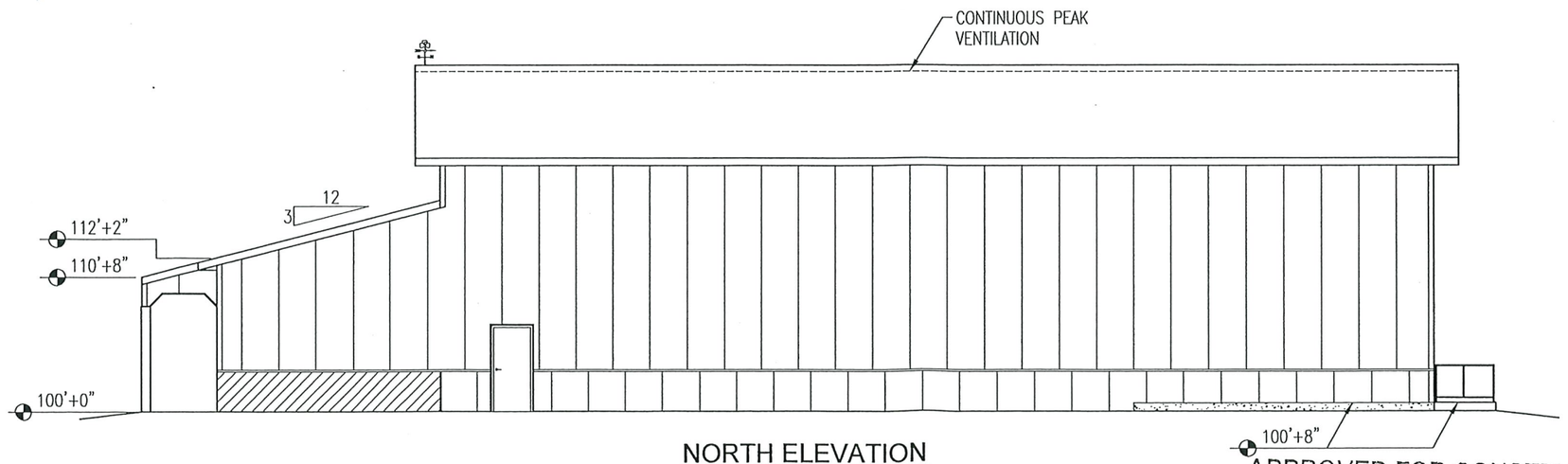


WEST ELEVATION



NORTH ELEVATION

APPROVED FOR CONSTRUCTION
DATE BY

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: ELEVATIONS

PROJECT NUMBER: 2020104484
SHEET NUMBER: 110
SHEET SCALE: *3/16"=1'-0"*

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER

File Name and Path: I:\Commercial\1CAD FILES\2020\2020104484\2020104484-110-ELEV-2.dwg
Printed By: Michael Waldera Date Printed: 7/16/2021 10:46 AM

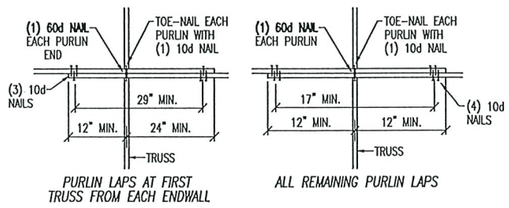
COLUMNS	COLUMN SIZE	HOLE DEPTH	HOLE DIAMETER	FOOTING SIZE	NUMBER OF COLUMNS REQUIRED
(A) SIDEWALL	3-PLY 2x8x20'-8"	---	---	ON CONCRETE SLAB (F.F.E.=100'+0")	12
(B) CORNER	3-PLY 2x8x20'-8"	---	---	ON CONCRETE SLAB (F.F.E.=100'+0")	2
(C) ENDWALL	3-PLY 2x8x24'-0"	---	---	ON CONCRETE SLAB (F.F.E.=100'+0")	2
(D) ENDWALL	3-PLY 2x8x27'-4"	---	---	ON CONCRETE SLAB (F.F.E.=100'+0")	1
(E) SIDEWALL	3-PLY 2x6x12'-2"	---	---	ON CONCRETE SLAB (F.F.E.=100'+0")	2
(F) CORNER	3-PLY 2x6x12'-2"	---	---	ON CONCRETE SLAB (F.F.E.=100'+0")	2
(G) ENDWALL	3-PLY 2x6x14'-5"	---	---	ON CONCRETE SLAB (F.F.E.=100'+0")	2
(H) CORNER	3-PLY 2x6x10'-9"	---	---	ON CONCRETE SLAB (F.F.E.=99'+11")	2
(I) SIDEWALL	3-PLY 2x8x20'-0"	---	---	ON CONCRETE WALL (F.F.E.=100'+8")	4
(J) CORNER	3-PLY 2x8x20'-0"	---	---	ON CONCRETE WALL (F.F.E.=100'+8")	2
(K) ENDWALL	3-PLY 2x8x23'-4"	---	---	ON CONCRETE WALL (F.F.E.=100'+8")	2
(L) ENDWALL	3-PLY 2x8x26'-8"	---	---	ON CONCRETE WALL (F.F.E.=100'+8")	1
(M) FULL LENGTH (NON-TREATED)	4-PLY 2x6x20'-0"	---	---	ON CONCRETE WALL (F.F.E.=100'+8")	2
(N) FULL LENGTH (NON-TREATED)	4-PLY 2x6x22'-8"	---	---	ON CONCRETE WALL (F.F.E.=100'+8")	2
(O) FULL LENGTH (NON-TREATED)	4-PLY 2x6x25'-4"	---	---	ON CONCRETE WALL (F.F.E.=100'+8")	2

NOTES:
1. FIELD VERIFY ALL DOOR AND WINDOW ROUGH OPENING SIZES PRIOR TO INSTALLING FRAME-OUTS
2. ATTACH ALL ROOF, SIDE, END AND GABLE STEEL WITH PAINTED SCREWS
3. ENDWALL COLUMNS ARE 3-PLY TO THE BUILDING EAVE HEIGHT AND SINGLE PLY FROM THERE TO THE ROOF PLANE
4. 2x6 DIAGONAL CORNER BRACING SPANNING (2) BAYS AT ALL MAIN BUILDING CORNERS (UNLESS OTHERWISE NOTED)
5. 2x4 STANDARD DIAGONAL CORNER BRACING AT ALL LEAN CORNERS (UNLESS OTHERWISE NOTED)
6. 2x6 JACKBRACING AT ENDWALL COLUMNS (SEE DIAPHRAGM ACTION and MISC. DETAILS SHEET)
7. 2x4 PURLIN BLOCKING AT ALL ENDWALL TRUSSES AND AT ATTIC DRAFTSTOP (TRUSSES AT FIRE BARRIER EXCLUDED)
8. 2x4 CORNER BLOCKING TO BE INSTALLED AT ALL CORNERS
9. (><) = BAYS WITH 2x4 ROOFLINE X-BRACING (SEE DIAPHRAGM ACTION and MISC. DETAILS SHEET)

BUILDING COLORS		BUILDING ACCESSORIES
ROOF:	ANTIQUE BRONZE	(1) CLEARY WEATHERVANE (OWNER LOCATE)
SIDES/GABLES:	TAN	INSIDE FILLER STRIP AT EAVE (ROOF AND SIDE)
WAINSCOT:	ANTIQUE BRONZE	INSIDE FILLER STRIP AT TOP AND BOTTOM OF WAINSCOT Z-TRIM
TRIM (TYP.):	ANTIQUE BRONZE	INSIDE FILLER STRIP AT BRICK PREP. TRIM
WAINSCOT CORNER TRIM:		INSIDE FILLER STRIP AT TREATED PLANK
MAIN CORNER TRIM:	TAN	TYVEK HOUSE WRAP AT ENTIRE PERIMETER WALLS
		BUILDING ON CONCRETE SLAB WITH WET-SET BRACKETS
		CONCRETE FOAM FILLER AT ENTIRE BUILDING, LESS DOORS
		STEEL TO 100'+0" WITH PERIMETER INSULATION BASE TRIM

CONT. PURLIN DESIGN
SCALE: NTS

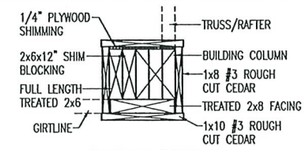
CONSTRUCTION FOREMAN NOTE:
BE SURE TO MAINTAIN THE OVERALL LAP DISTANCE AND THE SPACING FROM PURLIN END TO CENTER OF TRUSS AS SHOWN



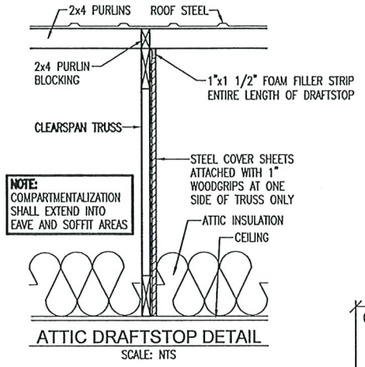
PURLIN LAPS AT FIRST TRUSS FROM EACH ENDWALL | *ALL REMAINING PURLIN LAPS*

NOTE:
FACE ALL OPEN BAY COLUMNS WITH 2x8 TREATED LUMBER ATTACHED TO COLUMN WITH (1) 20d NAIL AT 12" O.C. (STAGGERED)
(IF EAVE HEIGHT IS 14' OR TALLER, INSTALL FACING TO FOOTING)

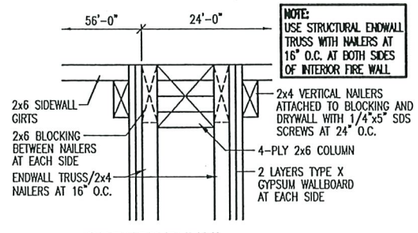
FOREMAN NOTE:
VERIFY B.E. OF COLUMN WRAP CEDAR IN RELATION TO FINISHED FLOOR HEIGHT WITH OWNER PRIOR TO INSTALLATION



FACING DETAIL
SCALE: NTS

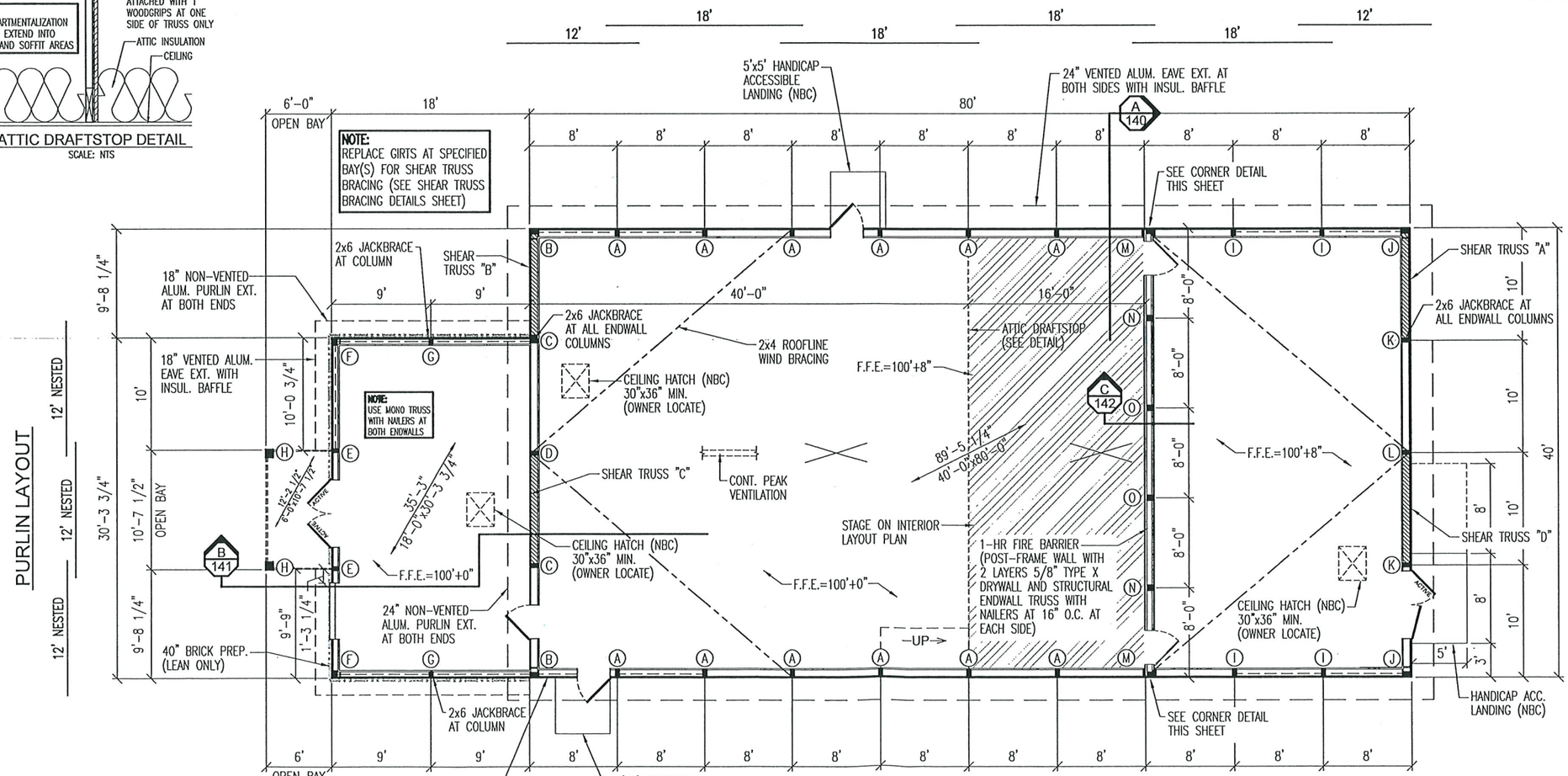


ATTIC DRAFTSTOP DETAIL
SCALE: NTS



CORNER DETAIL
SCALE: NTS

PURLIN LAYOUT



ABBREVIATIONS:
NBC = NOT BY CLEARY
BCS = BY CLEARY SUB

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

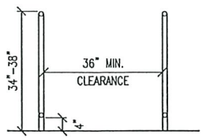
NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: FLOOR PLAN

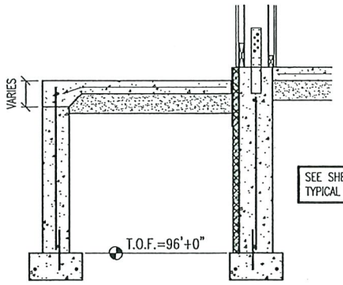
PROJECT NUMBER: 2020104484
SHEET NUMBER: 120
SHEET SCALE: *3/16"=1'-0"*

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER

APPROVED FOR CONSTRUCTION
DATE BY

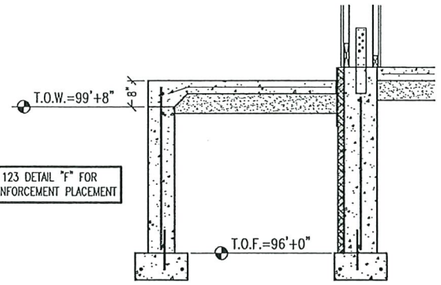


ACCESSIBLE RAMP
HANDRAIL DETAIL
NTS

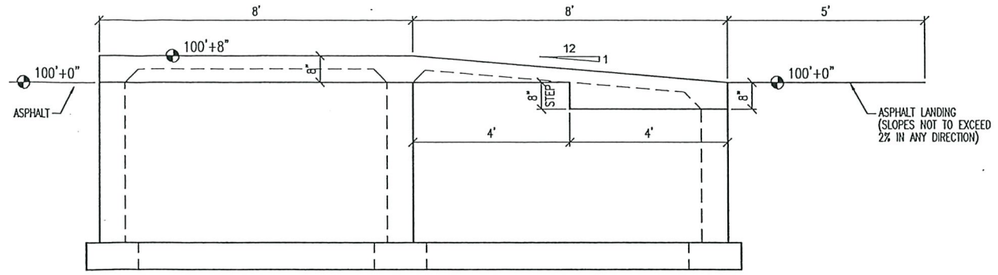


ACCESSIBLE RAMP SECTION "I"
NTS

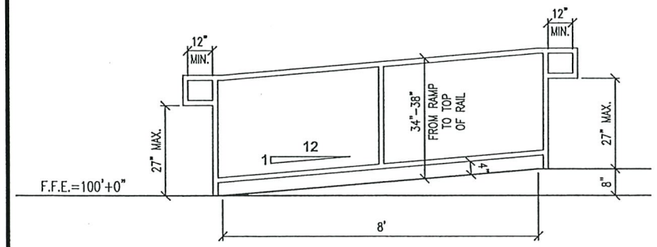
SEE SHEET 123 DETAIL "F" FOR TYPICAL REINFORCEMENT PLACEMENT



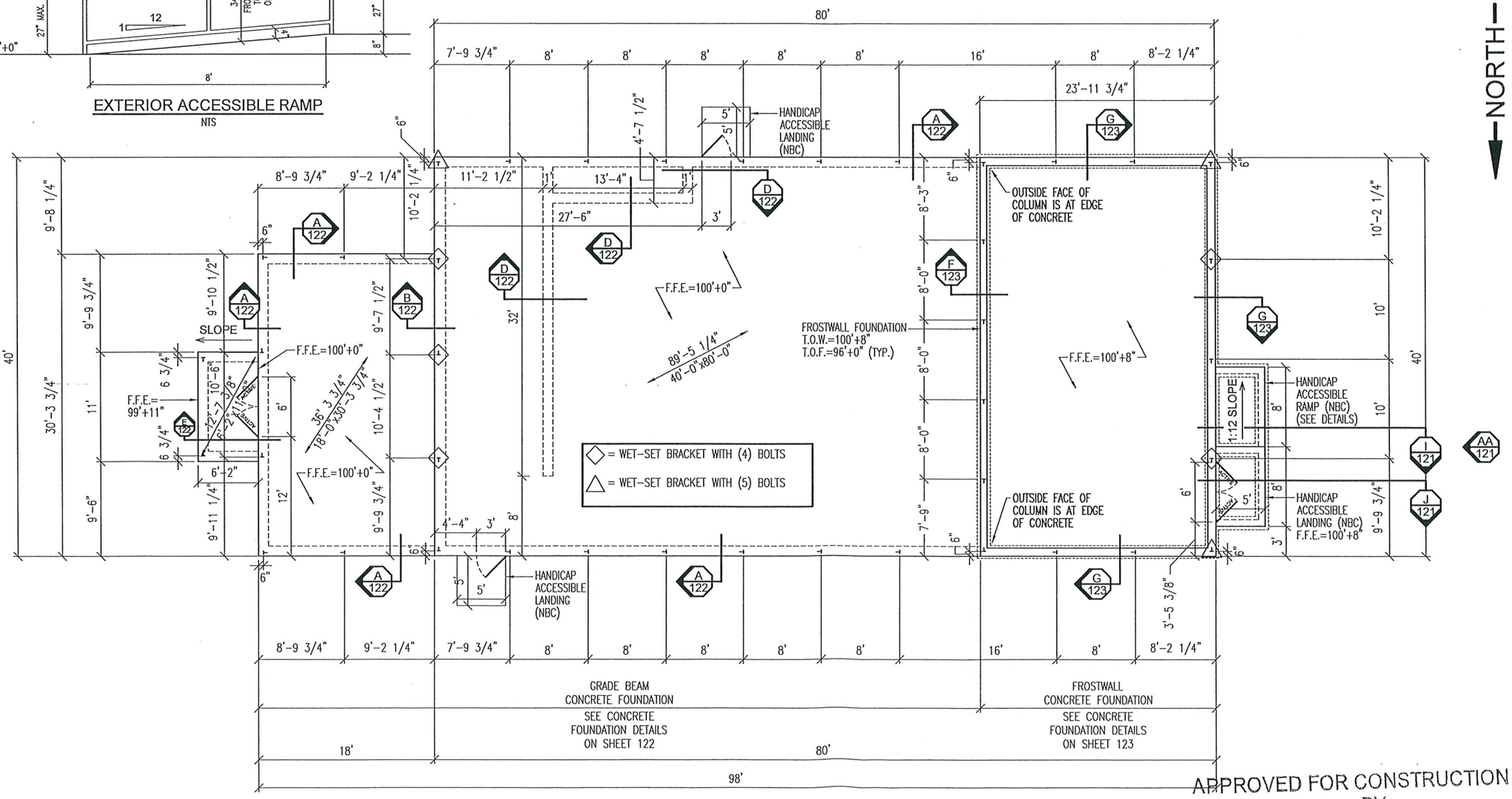
ACCESSIBLE LANDING SECTION "J"
NTS



ACCESSIBLE LANDING AND RAMP ELEVATION "AA"
NTS



EXTERIOR ACCESSIBLE RAMP
NTS



NORTH

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: ZIESE
DATE DRAWN: 6/9/2021

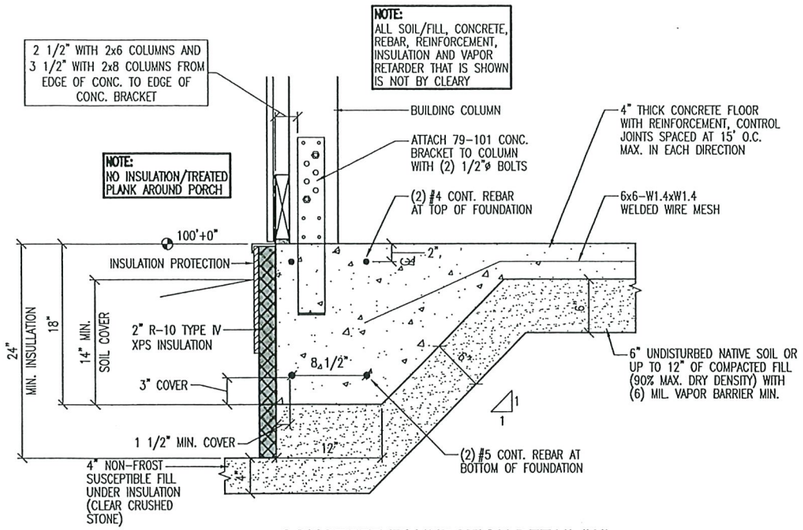
PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

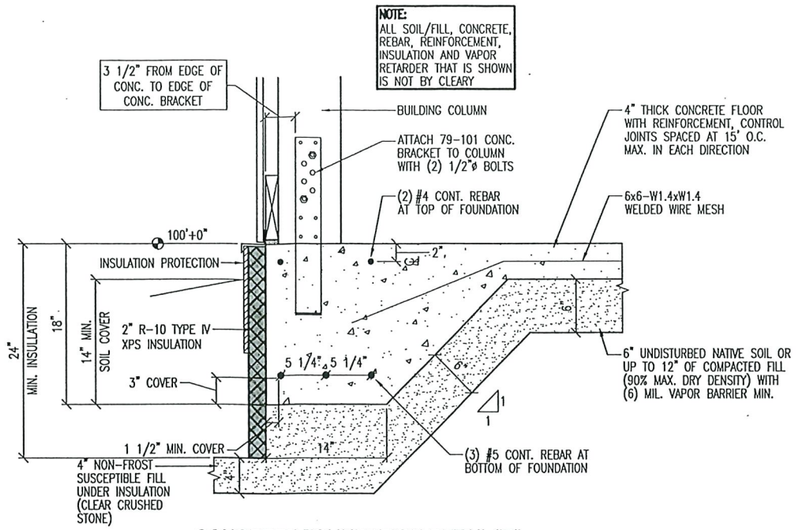
PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: CONCRETE BRACKET LAYOUT PLAN

PROJECT NUMBER: 2020104484
SHEET NUMBER: 121
SHEET SCALE: 3/16"=1'-0"

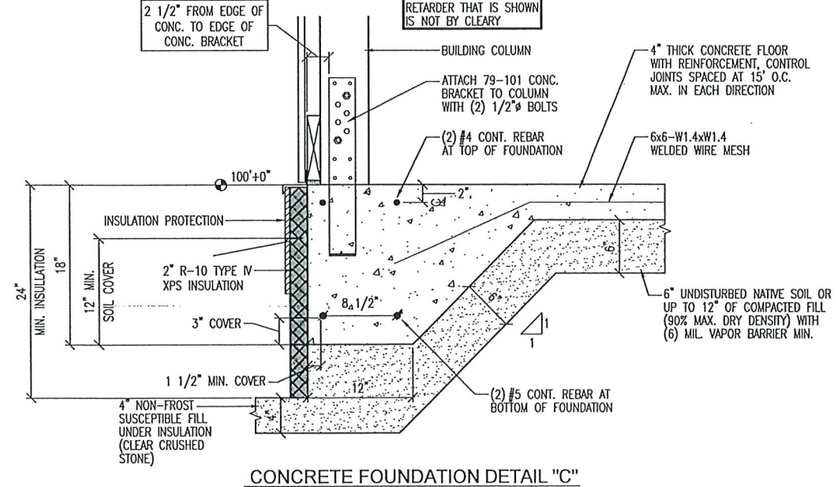
NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



CONCRETE FOUNDATION DETAIL "A"



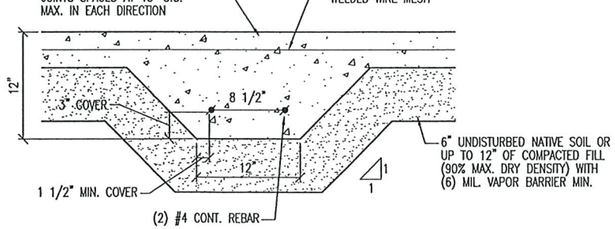
CONCRETE FOUNDATION DETAIL "B"



CONCRETE FOUNDATION DETAIL "C"

NON-FROST SUSCEPTIBLE FILL:
NO MORE THAN 6% OF THE MASS OF FILL MATERIAL MAY PASS THROUGH A #200 MESH SIEVE IN ACCORDANCE WITH ASTM D422

NOTE:
SEE CONCRETE BRACKET LAYOUT PLAN FOR BRACKET LOCATIONS WITH (4) OR (5) BOLTS



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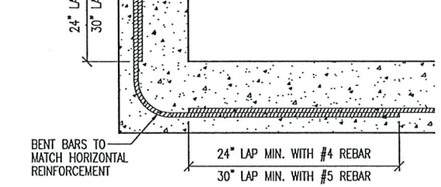
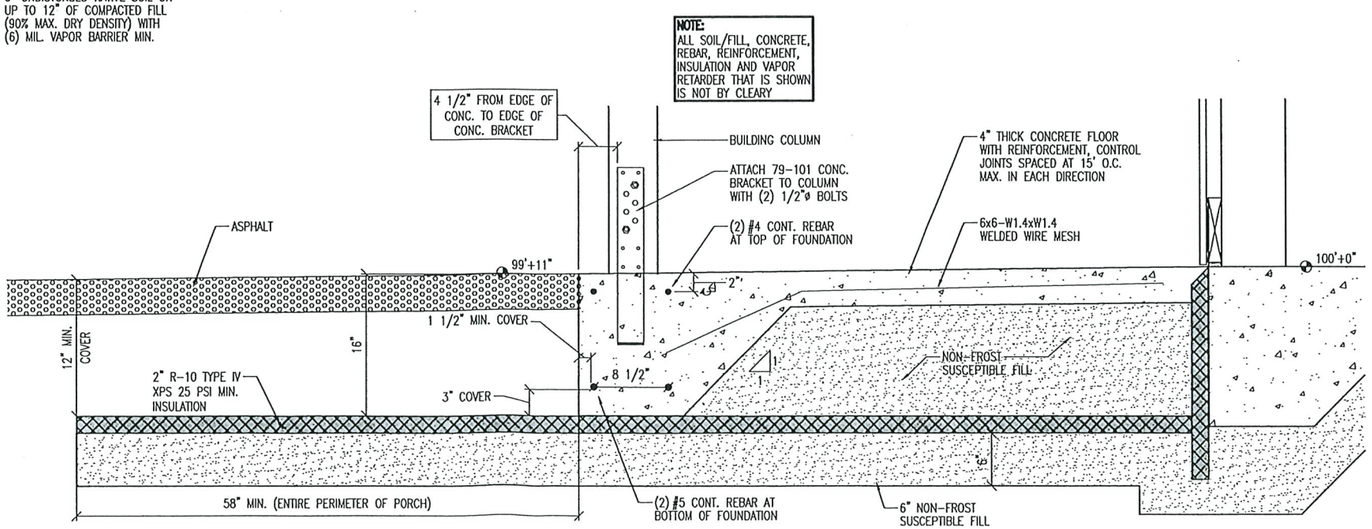


CORNER DETAIL



CONCRETE FOUNDATION DETAIL "E"

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

NUMBER	DATE	BY
1		
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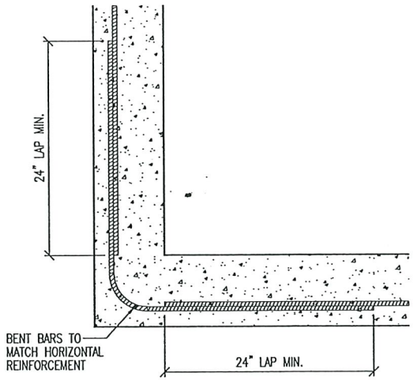
4		

PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: CONCRETE GRADE BEAM FOUNDATION DETAILS

PROJECT NUMBER: **2020104484**
SHEET NUMBER: **122**
SHEET SCALE: *1 1/2"=1'-0"*

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



CORNER DETAIL

CONCRETE SPECIFICATIONS

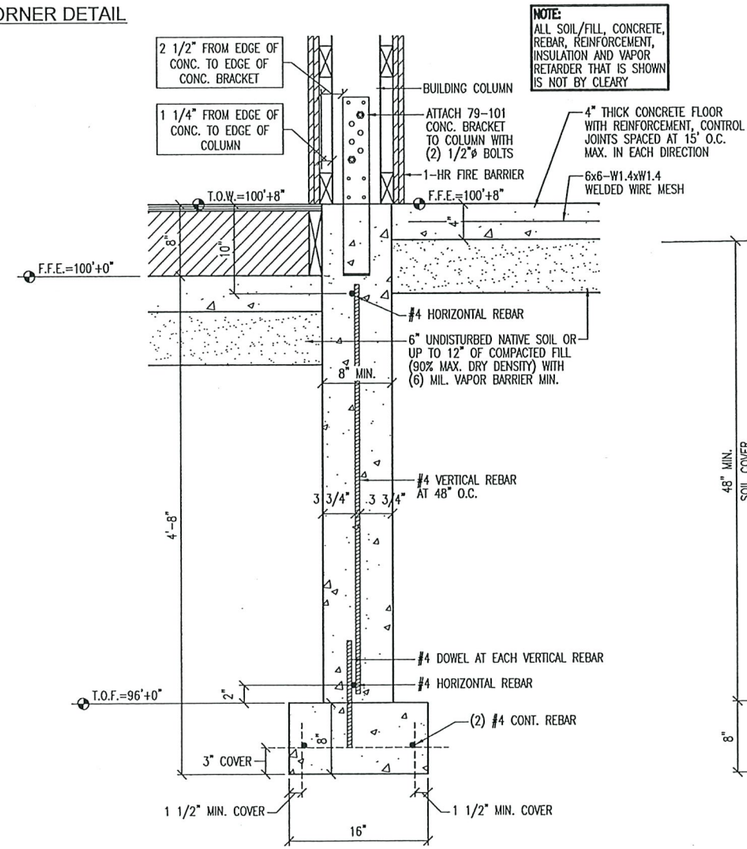
CONCRETE FLOOR SLABS:
CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3500 PSI MINIMUM AND AN AIR ENTRAINMENT CONTENT OF 5% MINIMUM. CONTROL JOINTS SHALL BE PLACED AT 15' O.C. MAXIMUM. FOR GARAGE FLOOR SLABS WHERE A TROWEL FINISH IS DESIRED, AIR ENTRAINMENT MAY BE REDUCED TO 3% PROVIDED THE COMPRESSIVE STRENGTH OF THE CONCRETE IS INCREASED TO 4000 PSI MIN.

FOUNDATIONS AND FOOTINGS:
CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI MINIMUM. FOOTINGS SHALL BEAR ON COMPACTED GRANULAR SOIL OR SUITABLE UNDISTURBED NATIVE SOIL. WHERE EXPOSED TO WEATHER, CONCRETE SHALL HAVE AN AIR ENTRAINMENT OF 5% MINIMUM.

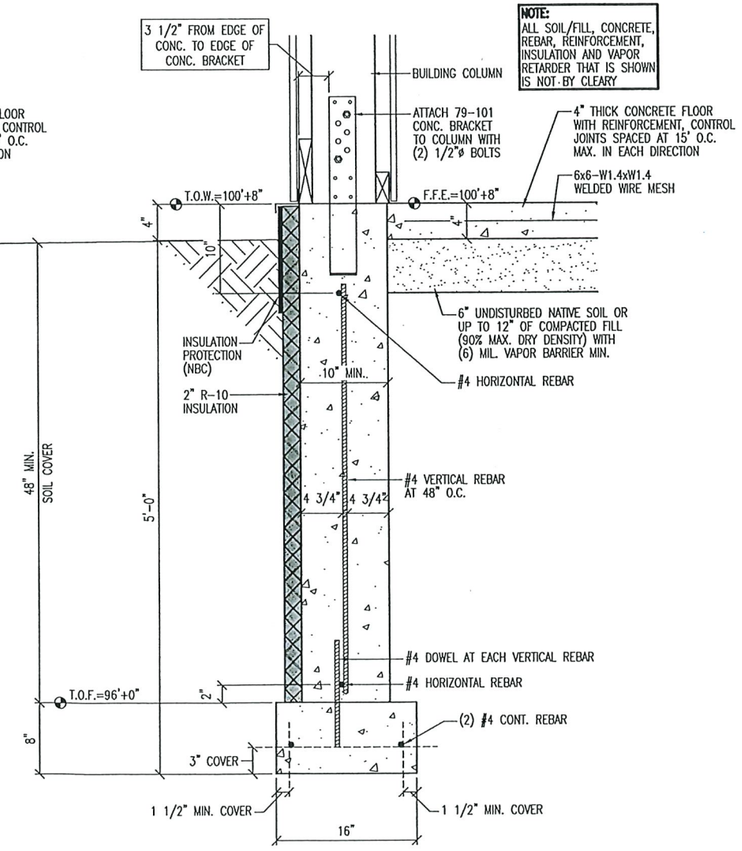
SUBGRADE:
SLABS SHALL BE PLACED OVER A MINIMUM 6" COMPACTED GRANULAR MATERIAL OR SUITABLE COMPACTED NAVTIVE SOIL. A (6) MIL. POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED 6" MAY BE PLACED BETWEEN THE SUBGRADE AND THE CONCRETE.

STEEL REINFORCING:
STEEL REINFORCEMENT SHALL COMPLY WITH ACI 318, SECTION 7. REINFORCEMENT SHALL BE 60 KSI MINIMUM. MINIMUM COVER SHALL BE 3" FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH AND 1 1/2" FOR CONCRETE EXPOSED TO EARTH OR WEATHER. MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS SHALL BE 1"

WALL NOTES:
LIMIT CONCRETE PLACEMENT TO 12'-0" FORM HEIGHT. CONTRACTOR'S CONSTRUCTION METHOD SHALL PROVIDED FOR MAX. CONCRETE DROP OF 4'-0" DURING PLACEMENT. USE TREMIE TO PREVENT AGGREGATE SEPARATION. VERTICAL CONTROL JOINTS SHALL BE SPACED AT 25'-0" MAXIMUM.



CONCRETE FOUNDATION DETAIL "F"



CONCRETE FOUNDATION DETAIL "G"

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

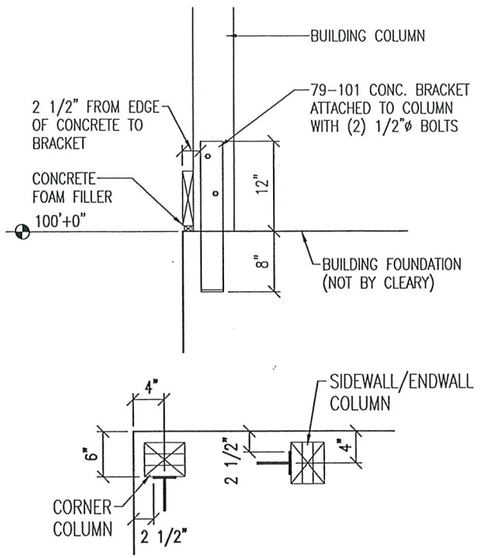
PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: CONCRETE FROSTWALL FOUNDATION DETAILS

PROJECT NUMBER: 2020104484
SHEET NUMBER: 123
SHEET SCALE: *1 1/2"=1'-0"*

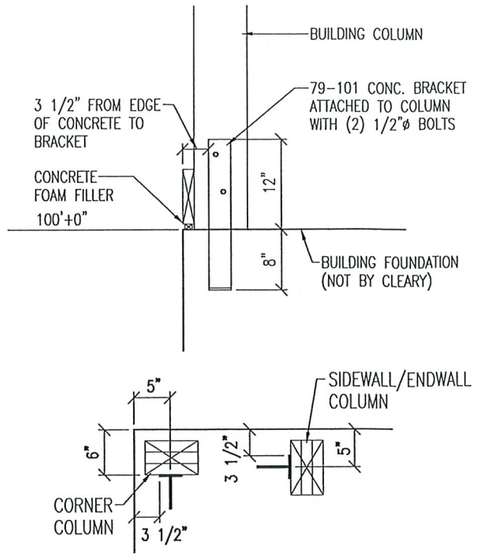
NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



CONCRETE BRACKET PLACEMENT DETAIL

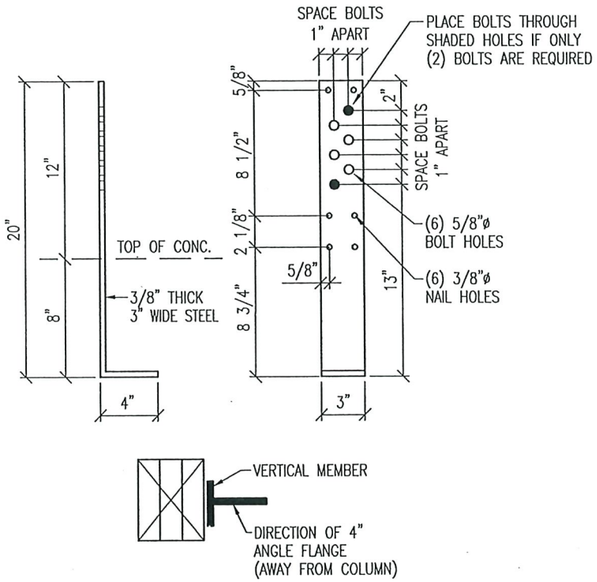
AT GRADE BEAM WITH 3-PLY 2x6 COLUMNS

NOTE:
SEE CONCRETE BRACKET LAYOUT PLAN FOR BRACKET LOCATIONS WITH (4) OR (5) BOLTS

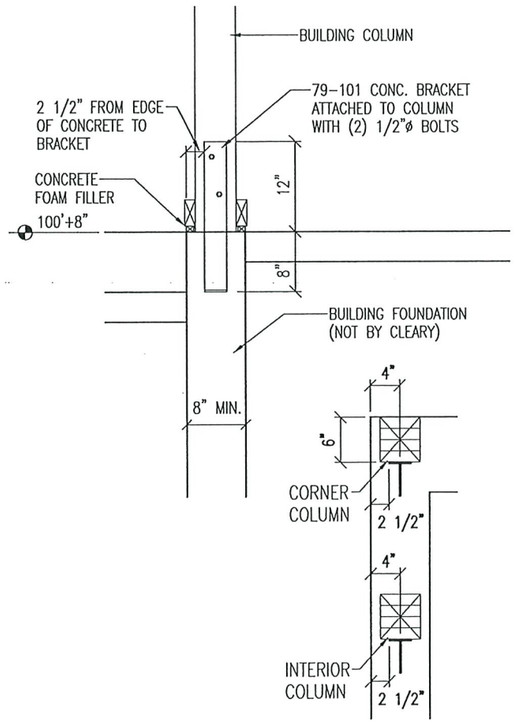


CONCRETE BRACKET PLACEMENT DETAIL

AT GRADE BEAM WITH 2x8 COLUMNS

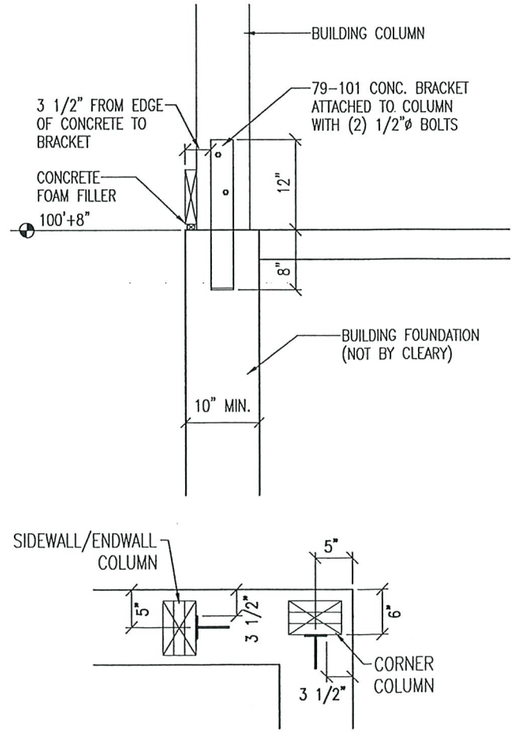


STANDARD 79-101
CONCRETE BRACKET DETAIL



CONCRETE BRACKET PLACEMENT DETAIL

AT 8" CONCRETE WALL WITH 4-PLY 2x6 COLUMNS



CONCRETE BRACKET PLACEMENT DETAIL

AT 10" CONCRETE WALL WITH 2x8 COLUMNS

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

CLEARY BUILDING CORP.
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DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
DC ARTS CENTER LLC. - STUART CHAMPEAU

PROJECT SITE ADDRESS:
917 NORTH 14TH AVENUE
STURGEON BAY, WI - DOOR COUNTY

BUILDING SIZE:
40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH

SHEET NAME:
CONCRETE BRACKET DETAILS

PROJECT NUMBER:
2020104484

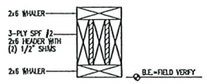
SHEET NUMBER:
124

SHEET SCALE: *NTS*

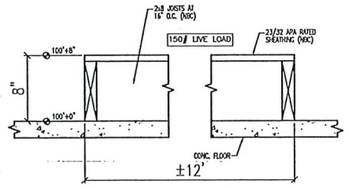
NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER

File Name and Path: I:\Commercial\1CAD FILES\2020\2020104484\2020104484-124-CONC-BRKTS-2.dwg
Printed By: Michael Waldera Date Printed: 7/16/2021 10:48 AM

DOOR AND WINDOW SCHEDULE				
B.E.	QTY.	TYPE	SIZE	ACCESSORIES/NOTES
◇ 100'+0"	2	PLYCO SERIES 20 STEEL CLAD WALK DOOR	3'-0"x8'-8"	LEVER HANDLES WITH PANIC HARDWARE HANDICAP THRESHOLD U=0.30 (MINIMUM)
◇ 100'+8"	1	WALK DOOR FRAME-OUT (DOOR NBC)	6'-0"x8'-8"	LEVER HANDLES HANDICAP THRESHOLD U=0.30 (MINIMUM)
◇ 100'+0"	1	PLYCO SERIES 20 STEEL CLAD WALK DOOR (CENTERED IN BAY)	3'-0"x8'-8"	LEVER HANDLES WITH PANIC HARDWARE HANDICAP THRESHOLD U=0.30 (MINIMUM)
◇ 100'+0"	1	WALK DOOR FRAME-OUT (GLASS ENTRANCE DOOR NBC)	6'-0"x8'-8"	LEVER HANDLES WITH PANIC HARDWARE HANDICAP THRESHOLD SAFTEY GLAZING U=0.71 (MINIMUM) SHGC=0.38 (MINIMUM) VT=0.45 (MINIMUM)
◇ 103'+2"	1	WINDOW FRAME-OUT (METAL FRAME WINDOW NBC)	5'-0"x4'-0"	FIXED LITE U=0.35 (MINIMUM) SHGC=0.35 (MINIMUM) VT=0.68 (MINIMUM)
◇ 100'+8"	5	WALK DOOR FRAME-OUT (DOOR NBC)	3'-0"x8'-8"	LEVER HANDLES HANDICAP THRESHOLD 1-HOUR FIRE RATED



WALK DOOR HEADER DETAIL
SCALE: NTS



STAGE FLOOR FRAMING DETAIL
SCALE: NTS

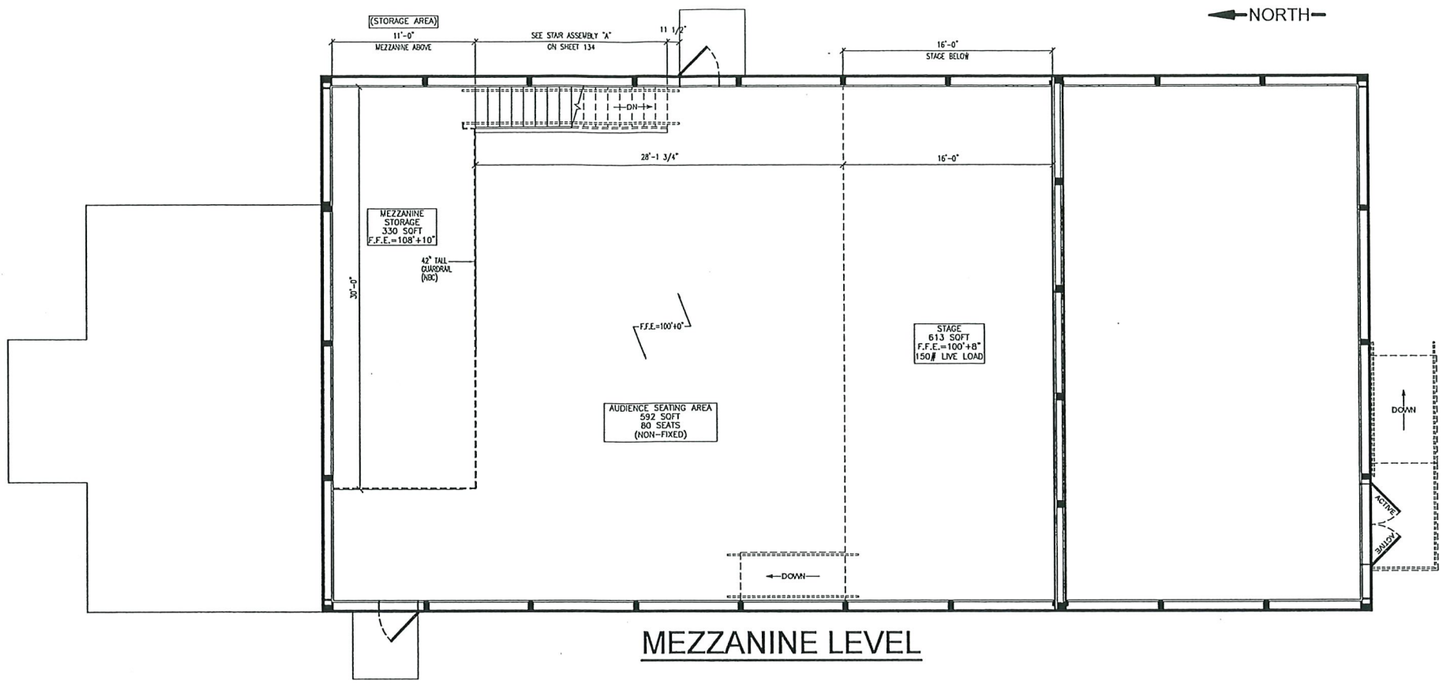
1-HOUR FIRE RESISTANT WALLS/FLOOR NOTES

SYMBOLS:

FR = 1-HOUR FIRE BARRIER

PER GA FILE NO. WP 3514:
ONE LAYER 5/8" TYPE "X" GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 2X4/2X6 WOOD STUDS 16" O.C. WITH 1 1/4" TYPE W DRYWALL SCREWS 12" O.C. WITH JOINTS STAGGERED 16" O.C. ON OPPOSITE SIDES
(1-HOUR LOAD BEARING)

1-HOUR FLOOR/CEILING ASSEMBLY PER IBC 721 TABLE 721.1(3) #21-1.1:
BASE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO WOOD JOISTS 24" O.C. WITH 1 1/4" TYPE W OR S DRYWALL SCREWS 24" O.C. FACE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO JOISTS WITH 1 7/8" TYPE W OR S DRYWALL SCREWS 12" O.C. FACE LAYER TYPE G DRYWALL SCREWS PLACED 2" BACK ON EITHER SIDE OF END JOINTS. JOINTS OFFSET 24" FROM BASE LAYER JOINTS. WOOD JOISTS SUPPORTING 23/32" RATED SHEATHING WITH EXTERIOR GLUE APPLIED AT RIGHT ANGLES TO JOISTS WITH 8d NAILS.



MEZZANINE LEVEL

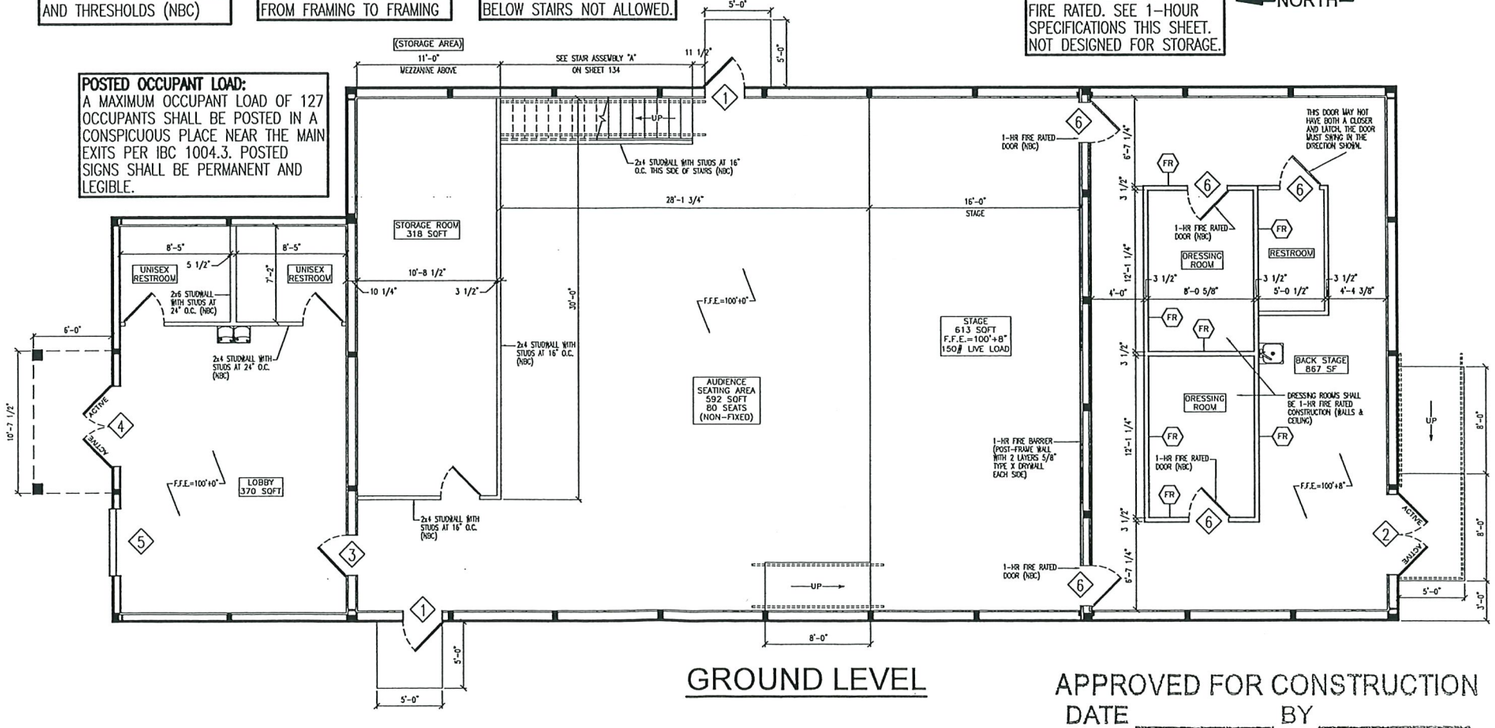
NOTE:
ALL INTERIOR DOORS SHALL HAVE ACCESSIBLE HARDWARE AND THRESHOLDS (NBC)

NOTE:
UNLESS OTHERWISE NOTED ALL DIMENSIONS SHOWN ARE FROM FRAMING TO FRAMING

NOTE:
SPACE BELOW STAIRS SHALL BE ENCLOSED. STORAGE BELOW STAIRS NOT ALLOWED.

NOTE:
CEILING OVER DRESSING ROOMS SHALL BE 1-HOUR FIRE RATED. SEE 1-HOUR SPECIFICATIONS THIS SHEET. NOT DESIGNED FOR STORAGE.

POSTED OCCUPANT LOAD:
A MAXIMUM OCCUPANT LOAD OF 127 OCCUPANTS SHALL BE POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXITS PER IBC 1004.3. POSTED SIGNS SHALL BE PERMANENT AND LEGIBLE.



GROUND LEVEL

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: ZIESE
DATE DRAWN: 6/9/2021

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: INTERIOR LAYOUT PLAN

PROJECT NUMBER: 2020104484

SHEET NUMBER: 130

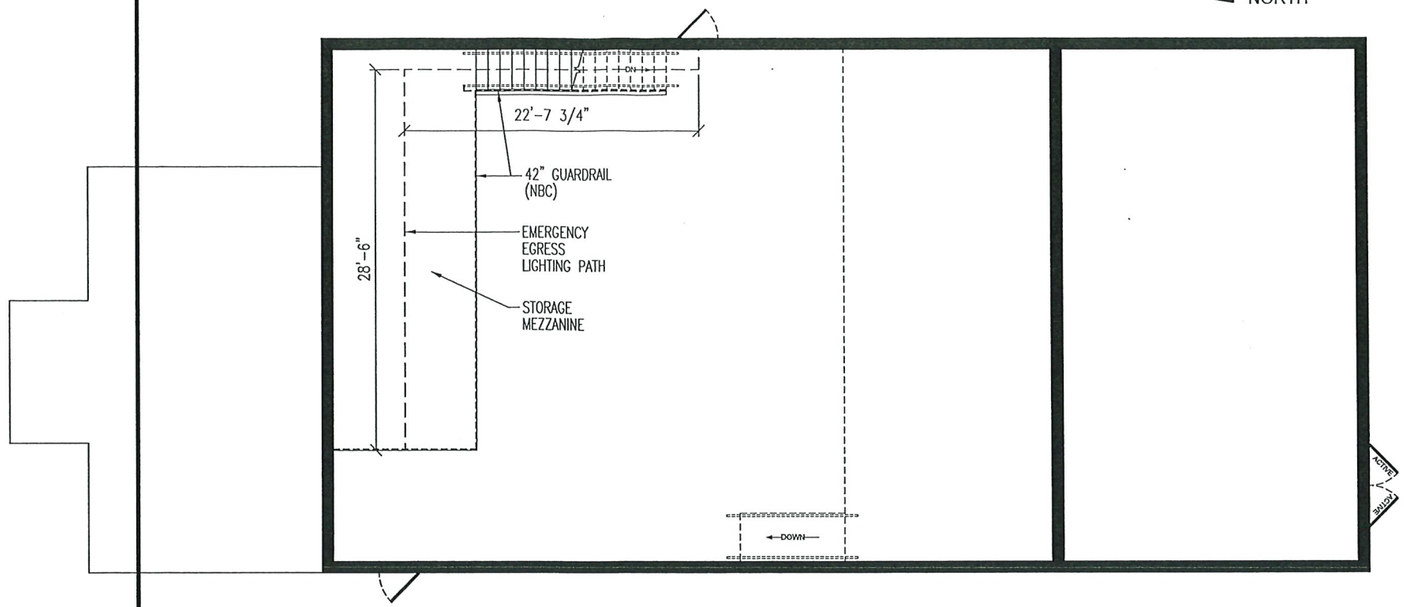
SHEET SCALE: 3/16"=1'-0"

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER

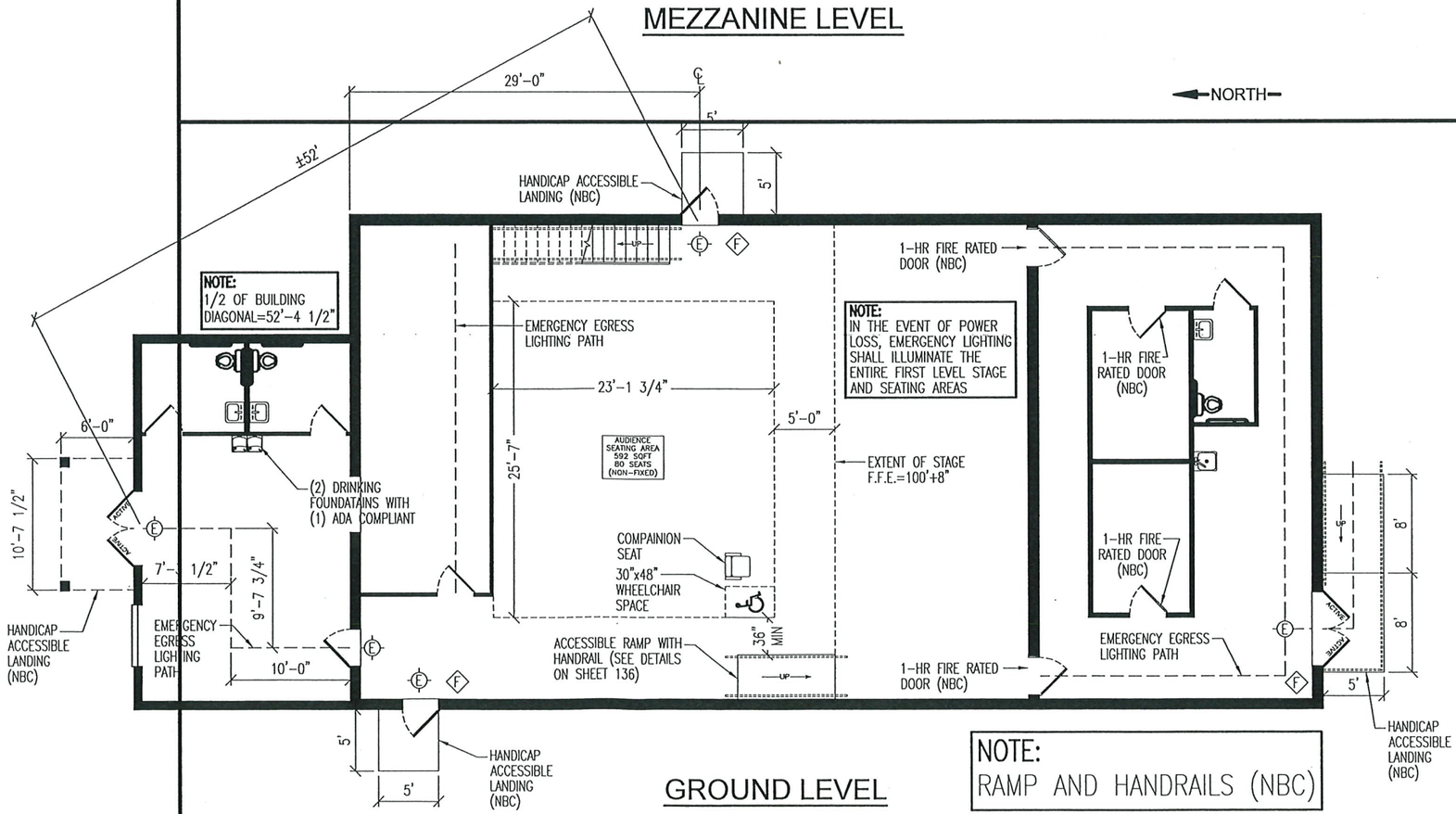
EXIT LIGHT NOTE: SEE FLOOR PLAN FOR EXIT SIGN LOCATIONS
Ⓔ DESIGNATES REQUIRED EXIT LIGHT AS PER IBC 1011.5.1 EVERY EXIT SIGN AND DIRECTIONAL EXIT SIGN SHALL HAVE PLAINLY LEGIBLE LETTERS NOT LESS THAN 6" (152 mm) HIGH WITH THE PRINCIPAL STROKES OF THE LETTERS NOT LESS THAN 0.75" (19.1 mm) WIDE. THE WORD "EXIT" SHALL HAVE LETTERS HAVING A WIDTH NOT LESS THAN 2" (51 mm) WIDE EXCEPT THE LETTER "I", AND THE MINIMUM SPACING BETWEEN LETTERS SHALL NOT BE LESS THAN 0.375" (9.5 mm). SIGNS LARGER THAN THE MINIMUM ESTABLISHED IN THIS SECTION SHALL HAVE LETTER WIDTHS, STROKES AND SPACING IN PROPORTION TO THEIR HEIGHT. THE WORD "EXIT" SHALL BE IN HIGH CONTRAST WITH THE BACKGROUND AND SHALL BE CLEARLY DISCERNIBLE WHEN THE EXIT SIGN ILLUMINATION MEANS IS OR IS NOT ENERGIZED. IF AN ARROW IS PROVIDED AS PART OF THE EXIT SIGN, THE CONSTRUCTION SHALL BE SUCH THAT THE ARROW DIRECTION CANNOT BE READILY CHANGED. EXIST SIGNS SHALL BE ILLUMINATED AT ALL TIMES. TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AND ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH ICC ELECTRICAL CODE.
EXCEPTION:
APPROVED EXIT SIGNS THAT PROVIDED CONTINUOUS ILLUMINATION INDEPENDENT OF EXTERNAL POWER SOURCES FOR A DURATION OF NOT LESS THAN 90 MINUTES, IN CASE OF PRIMARY POWER LOSS, ARE NOT REQUIRED TO BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED. THE FACE OF AN EXIT SIGN ILLUMINATED FROM AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT-CANDLES (54 lux.). INTERNALLY ILLUMINATED SIGNS SHALL PROVIDE EQUIVALENT LUMINANCE AND BE LISTED FOR THE PURPOSE.
EXCEPTION:
APPROVED SELF-LUMINOUS EXIT SIGNS THAT PROVIDE EVENLY ILLUMINATED LETTERS SHALL HAVE A MINIMUM LUMINANCE OF 0.06 FOOT-LAMBERTS (0.21 cd/m).

FIRE EXTINGUISHER NOTE: SEE FLOOR PLAN FOR FIRE EXTINGUISHER LOCATIONS
Ⓕ = MINIMUM 2-A RATED FIRE EXTINGUISHER. EXTINGUISHERS SHALL BE LOCATED IN CONSPICUOUS LOCATIONS WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE FOR USE. THESE LOCATIONS SHALL BE ALONG NORMAL PATHS OF TRAVEL. EXTINGUISHERS SHALL BE LOCATED SUCH THAT THE MAXIMUM TRAVEL DISTANCE TO AN EXTINGUISHER DOES NOT EXCEED 75 FEET. THE NUMBER OF FIRE EXTINGUISHERS INSTALLED SHALL BE SUCH THAT THE MAXIMUM FLOOR AREA PER EXTINGUISHER DOES NOT EXCEED 3000 SQUARE FEET. FIRE EXTINGUISHERS SHALL NOT BE OBSTRUCTED OR OBSCURED FROM VIEW. IN ROOMS OR AREAS IN WHICH VISUAL OBSTRUCTION CANNOT BE COMPLETELY AVOIDED, MEANS SHALL BE PROVIDED TO INDICATE THE LOCATIONS OF EXTINGUISHERS. PORTABLE FIRE EXTINGUISHERS HAVING A GROSS WEIGHT NOT EXCEEDING 40 POUNDS SHALL BE INSTALLED SO THAT ITS TOP IS NOT MORE THAN 5 FEET ABOVE THE FLOOR. HAND-HELD PORTABLE FIRE EXTINGUISHERS HAVING A GROSS WEIGHT EXCEEDING 40 POUNDS SHALL BE INSTALLED SO THAT ITS TOP IS NOT MORE THAN 3.5 FEET ABOVE THE FLOOR. THE CLEARANCE BETWEEN THE FLOOR AND THE BOTTOM OF THE INSTALLED HAND-HELD EXTINGUISHERS SHALL NOT BE LESS THAN 4 INCHES. FIRE EXTINGUISHERS SHALL BE MAINTAINED IN ACCORDANCE WITH NFPA 10.

MEANS OF EGRESS ILLUMINATION:
THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED. THE MINIMUM LEVEL OF ILLUMINATION MEASURED AT THE FLOOR SHALL NOT BE LESS THAN 1 foot-candle (11 lux.) IN CASE OF POWER LOSS, AN EMERGENCY SYSTEM SHALL AUTOMATICALLY ILLUMINATE EXIT SIGNS, EMERGENCY EGRESS PATHS, EXIT ACCESS CORRIDORS, PASSAGEWAYS, AND AISLES IN ROOM AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS. IN ADDITION, THE ABOVE REQUIREMENTS APPLY TO EXIT STAIRWAYS AND THE PORTION OF THE EXTERIOR EXIT DISCHARGE IMMEDIATELY ADJACENT TO EXIT DOORS. THE EMERGENCY POWER SUPPLY SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. INSTALLATION SHALL BE IN ACCORDANCE WITH THE ICC ELECTRICAL CODE.



MEZZANINE LEVEL



GROUND LEVEL

NOTE:
RAMP AND HANDRAILS (NBC)

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: EMERGENCY EGRESS PLAN

PROJECT NUMBER: 2020104484
SHEET NUMBER: 131
SHEET SCALE: *3/16"=1'-0"*

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER

GENERAL SPECIFICATIONS

1.0 **WHEELCHAIR TURNING SPACE:** A WHEEL CHAIR TURNING SPACE COMPLYING WITH SECTION 304 SHALL BE PROVIDED WITHIN THE ROOM.

1.1 **CIRCULAR SPACE:** THE WHEELCHAIR TURNING SPACE SHALL NOT BE LESS THAN 60"ø MINIMUM.

1.2 **T-SHAPED SPACE:** THE WHEELCHAIR TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60" MINIMUM SQUARE WITH ARMS AND BASE 36" WIDE MINIMUM. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12" MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24" MINIMUM.

1.3 **OVERLAP:** CLEAR FLOOR OR GROUND SPACES, CLEARANCES AT FIXTURES, AND WHEELCHAIR TURNING SPACES SHALL BE PERMITTED TO OVERLAP.

2.0 **DOORS:** DOORS SHALL NOT SWING INTO THE CLEAR FLOOR OR GROUND SPACE OR CLEARANCE FOR ANY FIXTURE. EXCEPTION: WHERE THE ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR OR GROUND SPACE OF 30"x48" IS PROVIDED WITHIN THE ROOM, BEYOND THE ARC OF THE DOOR SWING.

3.0 **MIRRORS:** MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40" MAXIMUM ABOVE THE FLOOR OR GROUND.

4.0 **WATER CLOSET LOCATION:** THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16" MINIMUM TO 18" MAXIMUM FROM THE SIDE WALL OR PARTITION.

5.0 **WATER CLOSET CLEARANCE:** CLEARANCE AROUND THE WATER CLOSET SHALL BE 60" MINIMUM, MEASURED PERPENDICULAR FROM THE SIDE WALL, AND 56" MINIMUM, MEASURED PERPENDICULAR FROM THE REAR WALL. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE WATER CLOSET CLEARANCE. THE CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE FIXTURE, ASSOCIATED GRAB BARS, TISSUE DISPENSERS,ACCESSIBLE ROUTES, AND CLEAR FLOOR OR GROUND SPACE, OR CLEARANCES AT OTHER FIXTURES AND THE WHEELCHAIR TURNING SPACE.

6.0 **WATER CLOSET HEIGHT:** THE TOP OF WATER CLOSET SEATS SHALL BE 17" MINIMUM TO 19" MAXIMUM ABOVE THE FLOOR OR GROUND. SEATS SHALL NOT RETURN AUTOMATICALLY TO A LIFTED POSITION.

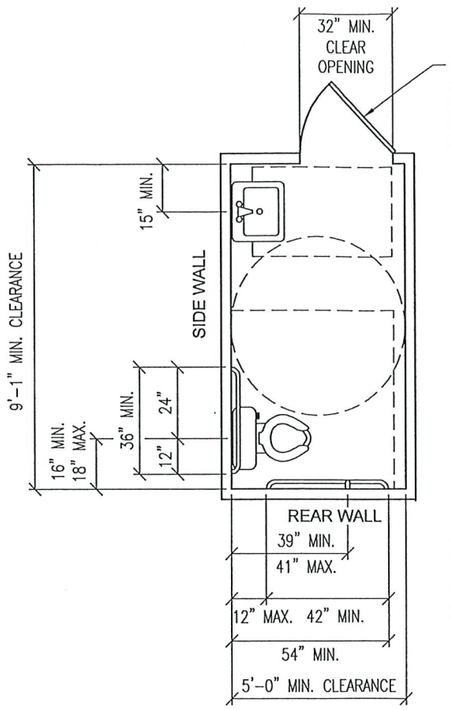
7.0 **GRAB BARS:** GRAB BARS SHALL HAVE A CIRCULAR CROSS SECTION WITH A DIAMETER OF 1 1/4" MINIMUM AND 2" MAXIMUM. GRAB BARS WITH OTHER SHAPES SHALL BE PERMITTED PROVIDED THEY HAVE A PERIMETER DIMENSION OF 4" MINIMUM AND 4.8" MAXIMUM AND WITH EDGES HAVING A 1/8" MINIMUM RADIUS. THE SPACING BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2". THE SPACE BETWEEN THE GRAB BAR AND OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2" MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12" MINIMUM. GRAB BARS SHALL BE MOUNTED IN A HORIZONTAL POSITION, 33" MINIMUM AND 36" MAXIMUM ABOVE THE FLOOR. EXCEPTION: A VERTICAL GRAB BAR 18" MINIMUM IN LENGTH SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED BETWEEN 39" AND 41" ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED BETWEEN 39" AND 41" FROM THE REAR WALL. GRAB BARS SHALL BE PROVIDED ON THE REAR WALL AND ON THE SIDE WALL CLOSEST TO THE WATER CLOSET. SIDE WALL GRAB BAR SHALL BE 42" LONG MINIMUM, 12" MAXIMUM FROM THE REAR WALL, AND EXTENDING 54" MINIMUM FROM THE REAR WALL. THE REAR WALL GRAB BAR SHALL BE 24" LONG MINIMUM AND CENTERED ON THE WATER CLOSET.

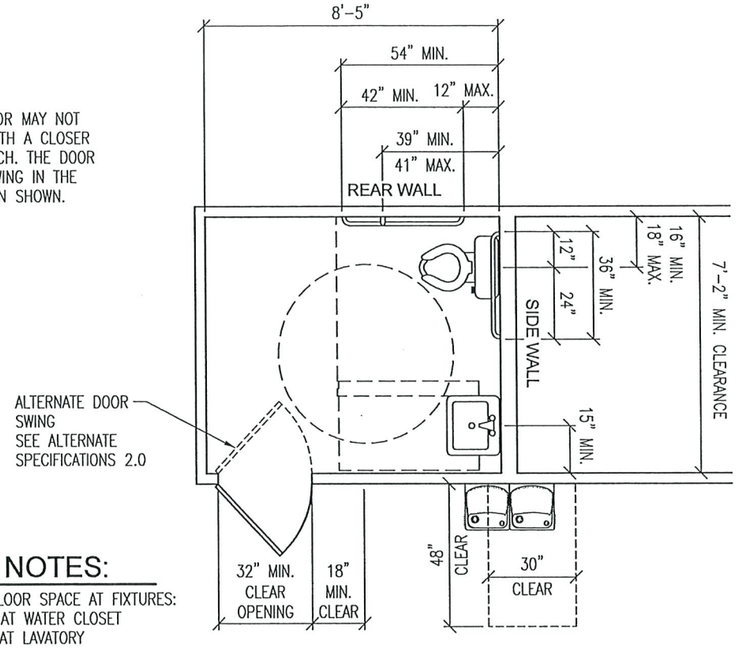
8.0 **LAVATORIES AND SINKS:** A CLEAR FLOOR OR GROUND SPACE OF 30"x48" POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED. THE FRONT OF LAVATORIES AND SINKS SHALL BE 34" MAXIMUM ABOVE THE FLOOR OR GROUND, MEASURED TO THE HIGHER OF THE FIXTURE RIM OR COUNTER SURFACE. FAUCETS SHALL HAVE OPERABLE PARTS THAT ARE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM. SINKS SHALL BE 6 1/2" DEEP MAXIMUM. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

9.0 **TOILET PAPER DISPENSERS:** TOILET PAPER DISPENSERS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM. TOILET PAPER DISPENSERS SHALL 7" MINIMUM AND 9" MAXIMUM IN FRONT OF THE WATER CLOSET. THE OUTLET OF THE DISPENSER SHALL BE 15" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR OR GROUND. THERE SHALL BE A CLEARANCE OF 1 1/2" MINIMUM BELOW AND 12" MINIMUM ABOVE THE GRAB BAR. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROL DELIVERY, OR THAT DO NOT ALLOW CONTINUOUS PAPER FLOW.

10.0 **SURROUNDING MATERIALS:** TOILET AND BATHING ROOM FLOORS SHALL HAVE A SMOOTH, HARD, NON-ABSORBANT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES. WALLS WITHIN 2 FEET OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NON-ABSORBANT SURFACE, TO A HEIGHT OF 4 FEET ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIAL USED IN SUCH WALLS SHALL NOT BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.

11.0 **LAVATORY SIZE:** THESE ROOMS WERE DERMED USING A LAVATORY WITH A MAXIMUM WIDTH OF 20" AND A MAXIMUM LENGTH OF 18". IF A LAVATORY WITH A WIDER OR LONGER DIMENSION IS USED, THE ROOM WIDTH AND/OR LENGTH WILL NEED TO BE INCREASED.

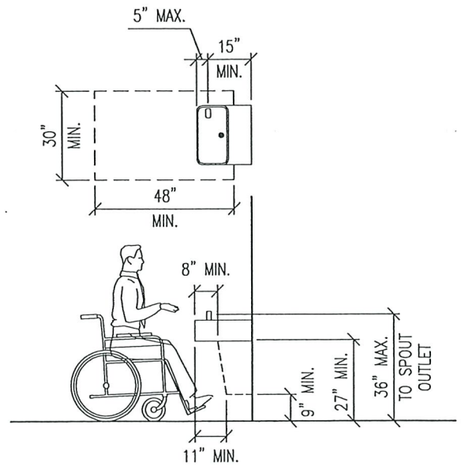




NOTES:

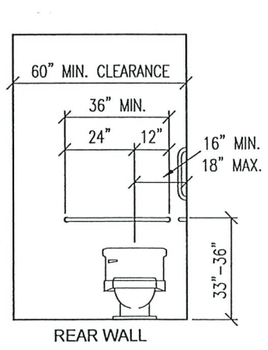
CLEAR FLOOR SPACE AT FIXTURES:
56"x60" AT WATER CLOSET
30"x48" AT LAVATORY

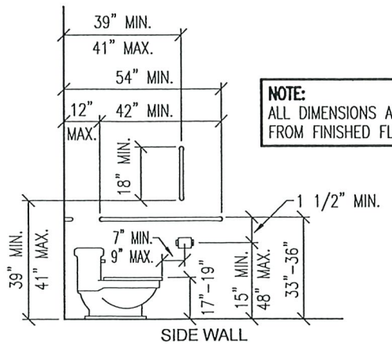
60" DIA. MIN. TURNING SPACE



DRINKING FOUNTAIN CLEARANCES

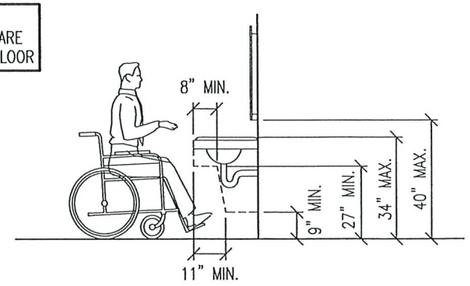
WITH FRONT APPROACH





NOTE:
ALL DIMENSIONS ARE FROM FINISHED FLOOR

HANDRAILS AT WATER CLOSETS



LAVATORY CLEARANCES

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VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
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4		

PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: RESTROOM LAYOUT DETAILS

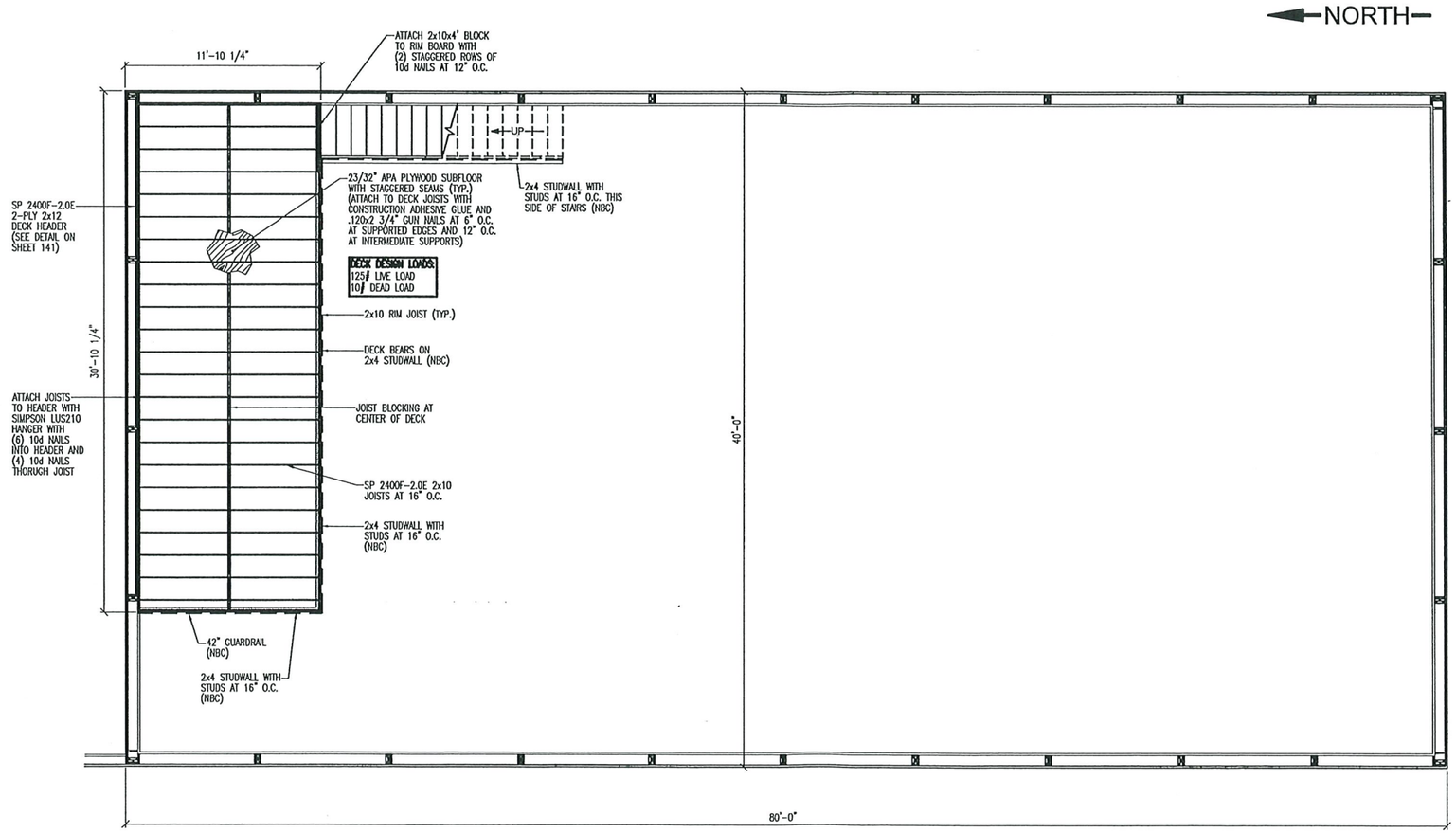
PROJECT NUMBER: 2020104484

SHEET NUMBER: 132

SHEET SCALE: *1/2"=1'-0"*

NOTE: SHEET SCALE DESIGNED FOR 24"x36" PAPER

File Name and Path: I:\Commercial\1CAD FILES\2020\2020104484\2020104484-132-BATHROOM-2.dwg
Printed By: Michael Walders Date Printed: 7/16/2021 10:48 AM



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DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

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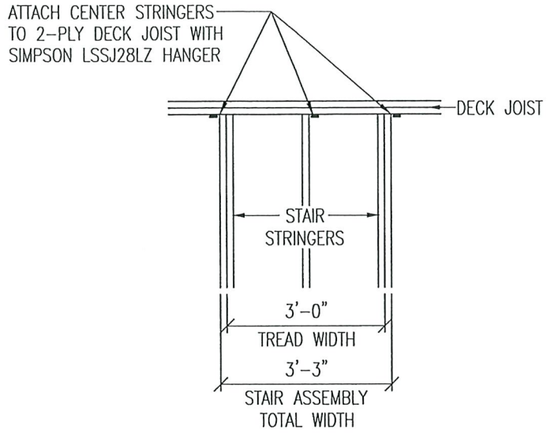
PROJECT NAME:
DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS:
917 NORTH 14TH AVENUE
STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE:
40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME:
MEZZANINE FRAMING PLAN

PROJECT NUMBER:
2020104484

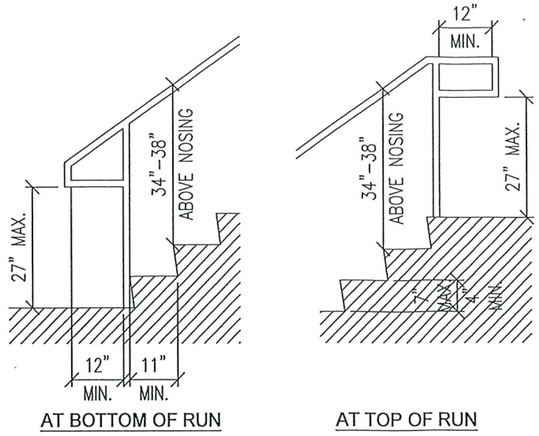
SHEET NUMBER:
133

SHEET SCALE: *1/4"=1'-0"*

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



STAIR STRINGER ATTACHMENT DETAIL

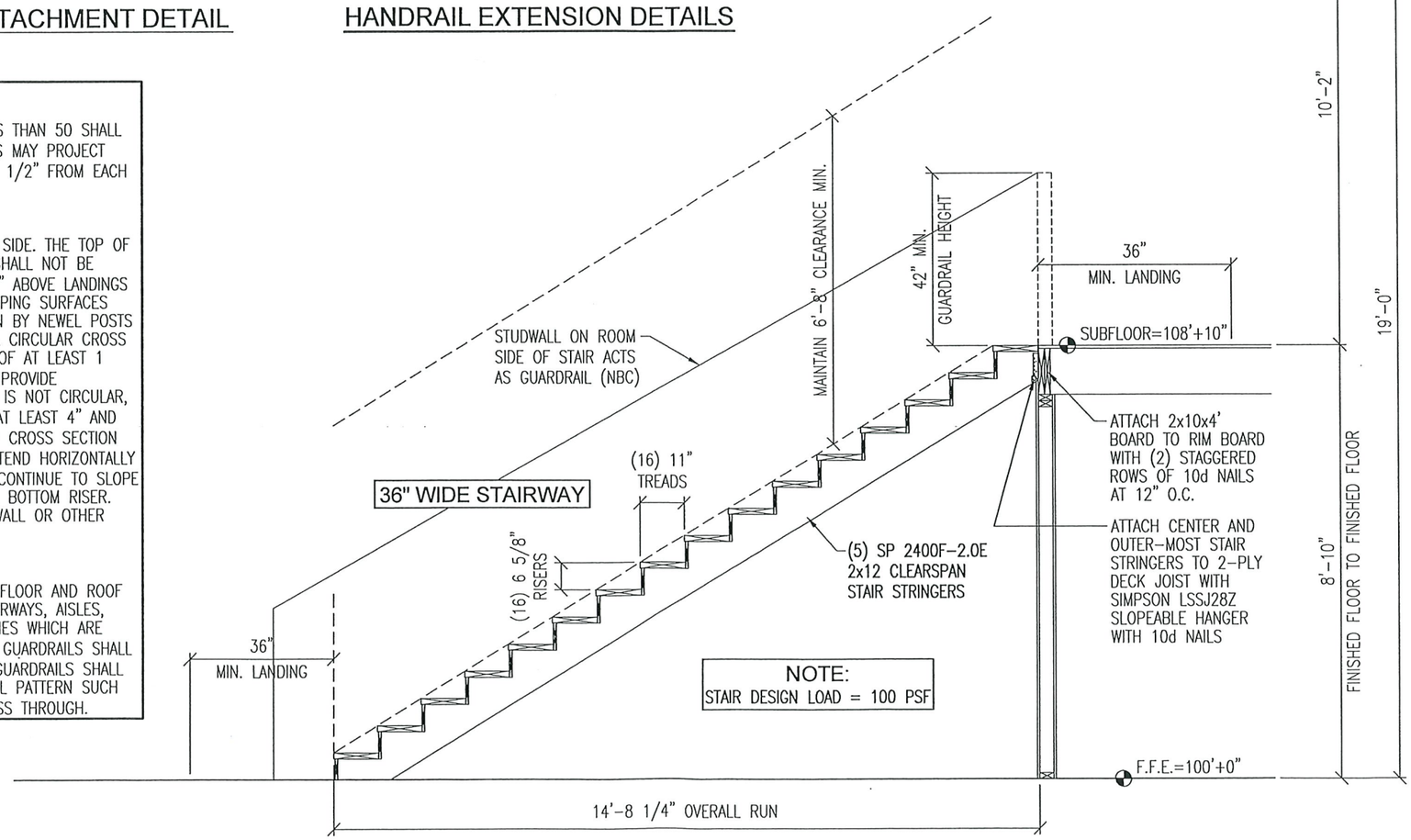


HANDRAIL EXTENSION DETAILS

NOTE:
STAIRWAY WIDTH:
STAIRWAYS SERVING AN OCCUPANT LOAD LESS THAN 50 SHALL NOT BE LESS THAN 36" IN WIDTH. HANDRAILS MAY PROJECT INTO THE REQUIRED WIDTH A DISTANCE OF 4 1/2" FROM EACH SIDE OF A STAIRWAY.

HANDRAILS:
STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE. THE TOP OF THE HANDRAILS AND HANDRAIL EXTENSIONS SHALL NOT BE PLACED LESS THAN 34" NOR MORE THAN 38" ABOVE LANDINGS AND THE NOSING OF TREADS. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS, WITHOUT INTERUPTION BY NEWEL POSTS OR OTHER OBSTRUCTIONS. HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF AT LEAST 1 1/4" AND NOT GREATER THAN 2" OR SHALL PROVIDE EQUIVALENT GRASPABILITY. IF THE HANDRAIL IS NOT CIRCULAR, IT SHALL HAVE A PERIMETER DIMENSION OF AT LEAST 4" AND NOT GREATER THAN 6 1/4" WITH A MAXIMUM CROSS SECTION DIMENSION OF 2 1/4". HANDRAILS SHALL EXTEND HORIZONTALLY AT LEAST 12" BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER. CLEAR SPACE BETWEEN A HANDRAIL AND A WALL OR OTHER SURFACE SHALL BE A MINIMUM OF 1.5"

GUARDRAILS:
GUARDRAILS ARE REQUIRED AT UNENCLOSED FLOOR AND ROOF OPENINGS, OPEN AND GLAZED SIDES OF STAIRWAYS, AISLES, LANDINGS AND RAMPS, BALCONIES OR PORCHES WHICH ARE MORE THAN 30" ABOVE GRADE. THE TOP OF GUARDRAILS SHALL NOT BE LESS THAN 42" IN HEIGHT. OPEN GUARDRAILS SHALL HAVE INTERMEDIATE RAILS OR AN ORNAMENTAL PATTERN SUCH THAT A SPHERE 4" IN DIAMETER CANNOT PASS THROUGH.



PREFABRICATED STAIR ASSEMBLY "A"

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DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

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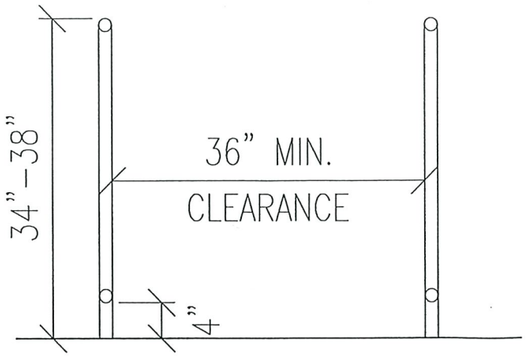
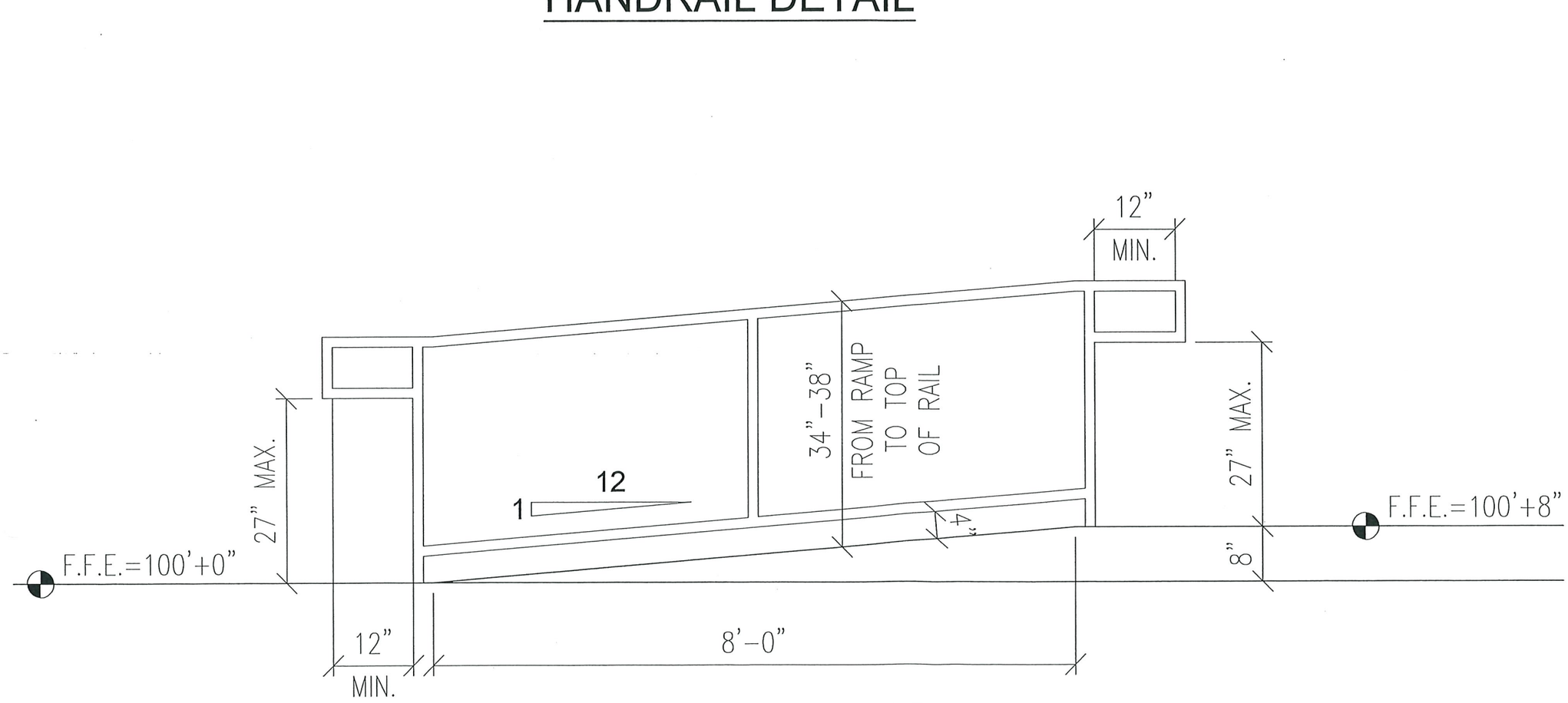
PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: STAIR FRAMING DETAILS

PROJECT NUMBER: 2020104484
SHEET NUMBER: 134
SHEET SCALE: *3/4"=1'-0"*

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



ACCESSIBLE RAMP HANDRAIL DETAIL



ACCESSIBLE STAGE RAMP

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DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

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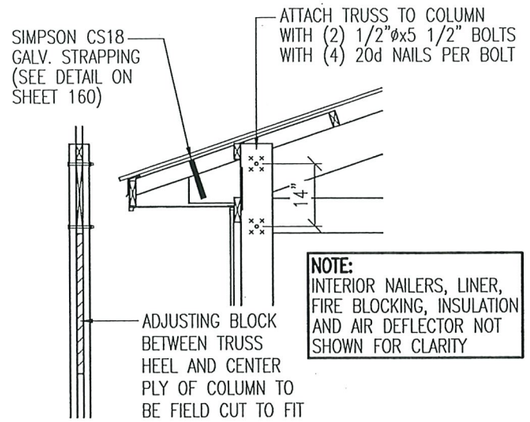
PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: ACCESSIBLE RAMP DETAILS

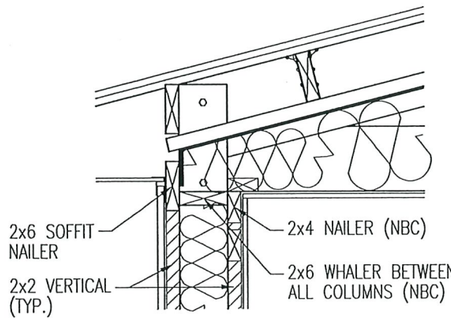
PROJECT NUMBER: 2020104484
SHEET NUMBER: 135
SHEET SCALE: *1 1/2"=1'-0"*

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



HEEL DETAIL

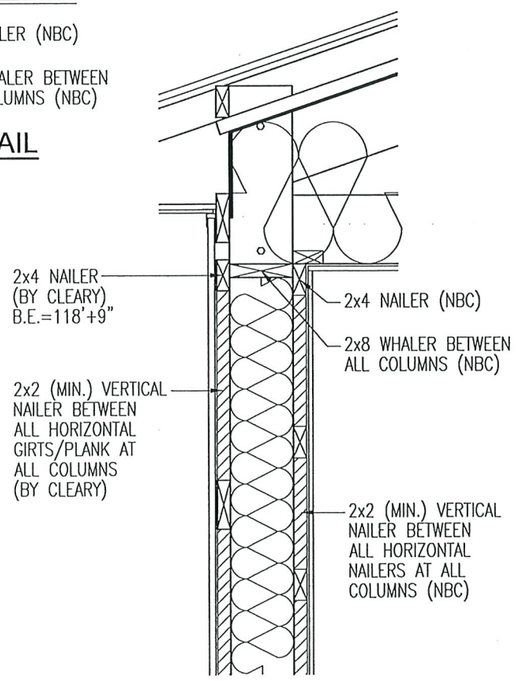
SCALE: 3/4"=1'-0"



FIRE BLOCKING DETAIL

AT LEAN SIDEWALL

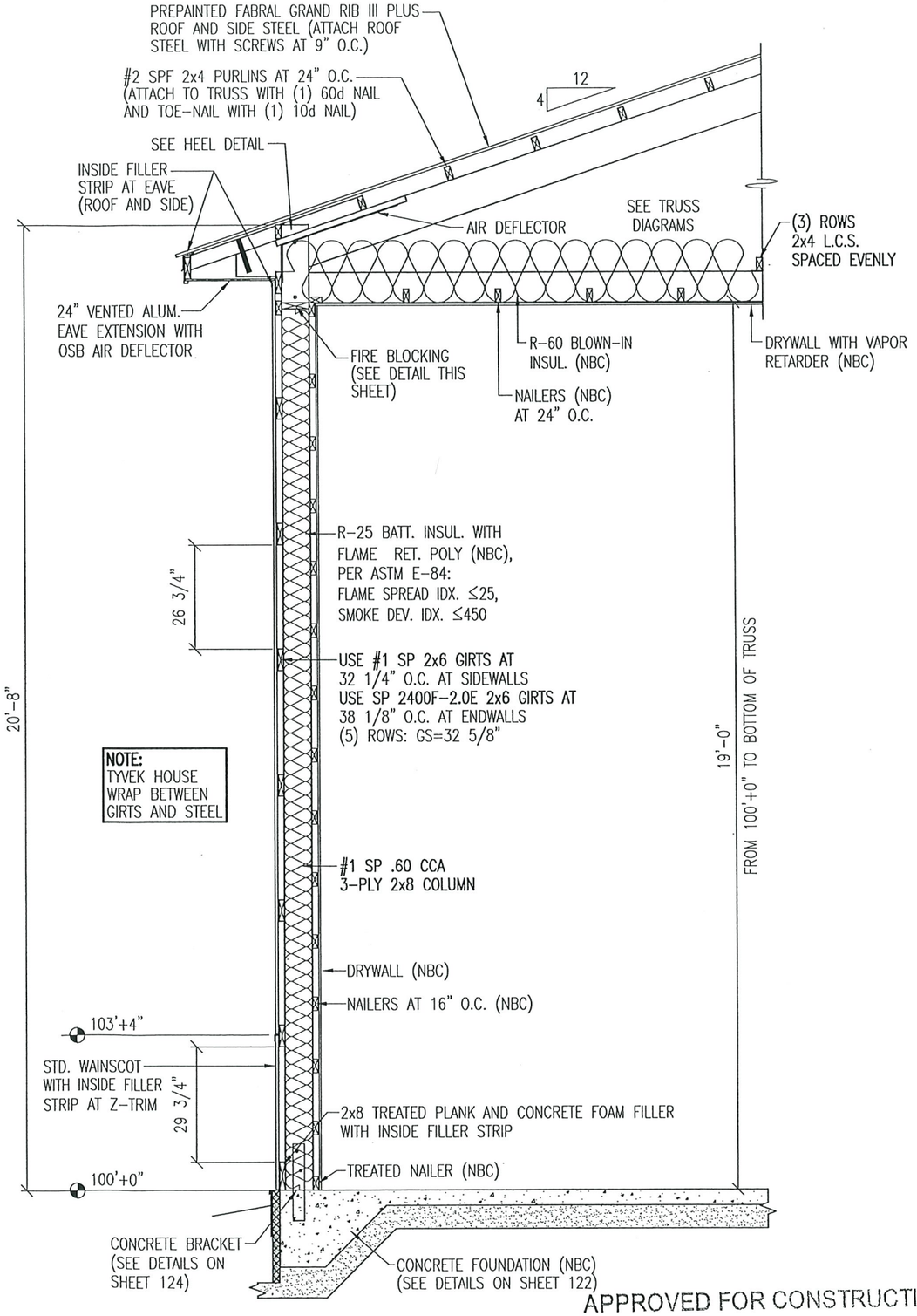
NTS



FIRE BLOCKING DETAIL

AT MAIN BUILDING SIDEWALLS

NTS



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1		
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4		

PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU

PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY

BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH

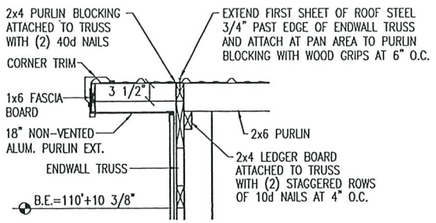
SHEET NAME: TYPICAL SECTION "A"

PROJECT NUMBER: 2020104484

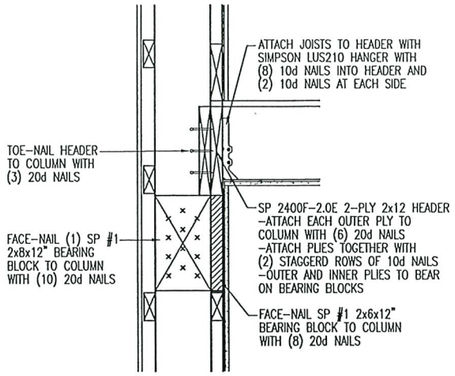
SHEET NUMBER: 140

SHEET SCALE: *3/4"=1'-0"*

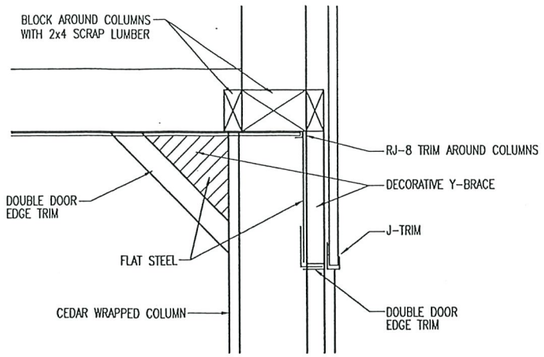
NOTE: SHEET SCALE DESIGNED FOR 24"x36" PAPER



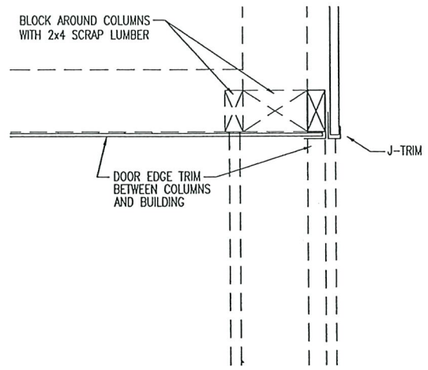
GABLE DETAIL
AT LEAN
NTS



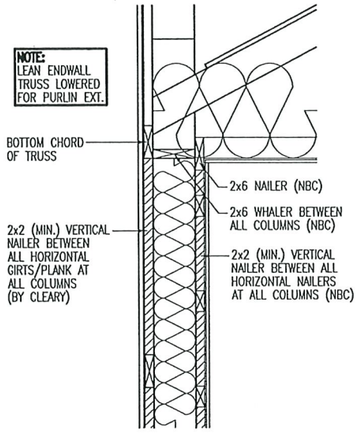
DECK HEADER DETAIL
NTS



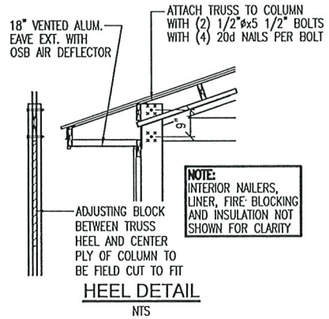
DECORATIVE Y-BRACING DETAIL
AT COLUMN
NTS



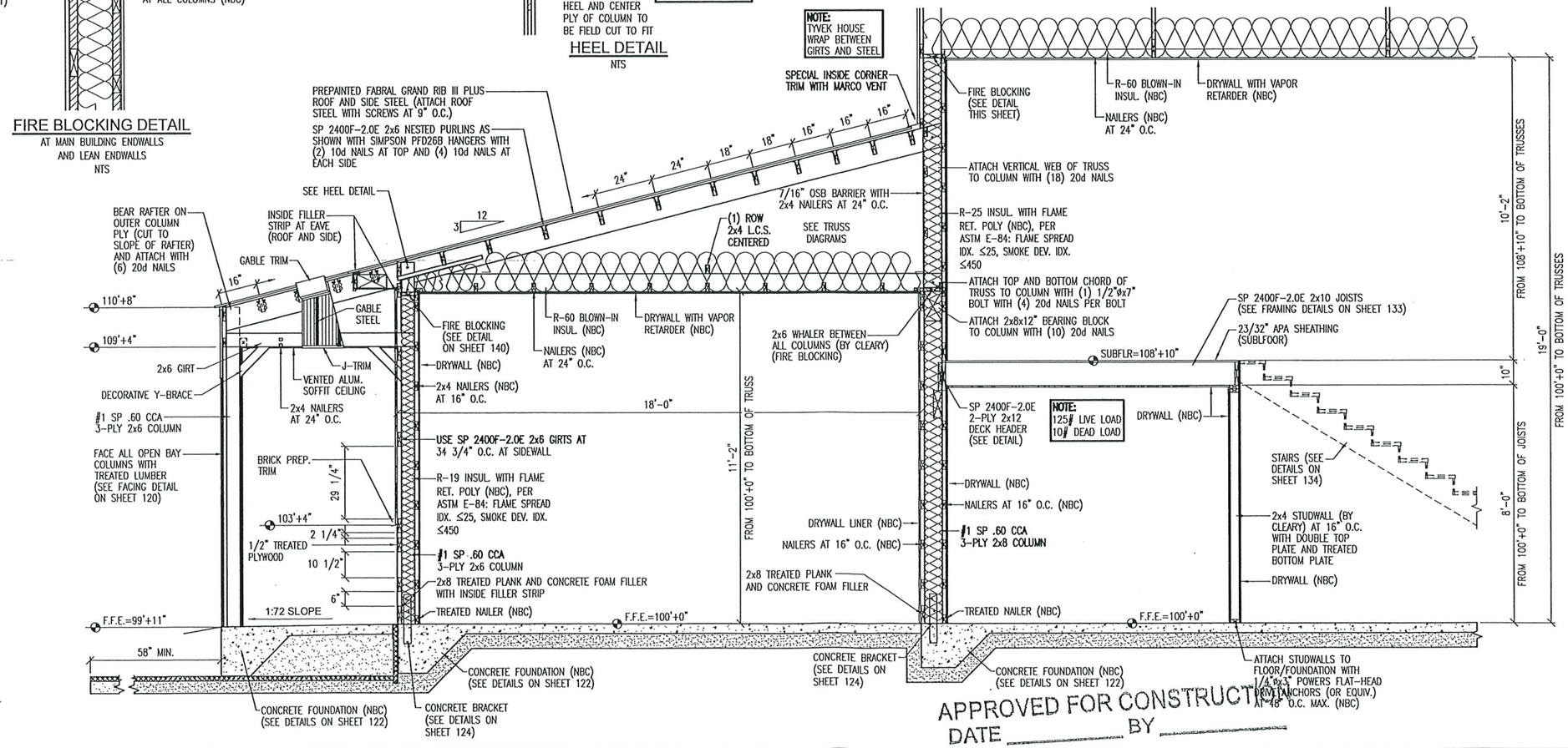
DECORATIVE Y-BRACING DETAIL
AT BETWEEN COLUMNS



FIRE BLOCKING DETAIL
AT MAIN BUILDING ENDWALLS
AND LEAN ENDWALLS
NTS



HEEL DETAIL
NTS



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DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

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PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: TYPICAL SECTION "B"

PROJECT NUMBER: 2020104484

SHEET NUMBER: 141

SHEET SCALE: *1/2"=1'-0"*

NOTE: SHEET SCALE DESIGNED FOR 24"x36" PAPER

File Name and Path: I:\Commercial\CAD FILES\2020\2020104484\2020104484-141-TYP-B-2.dwg
Printed By: Michael Waldera Date Printed: 7/16/2021 10:50 AM

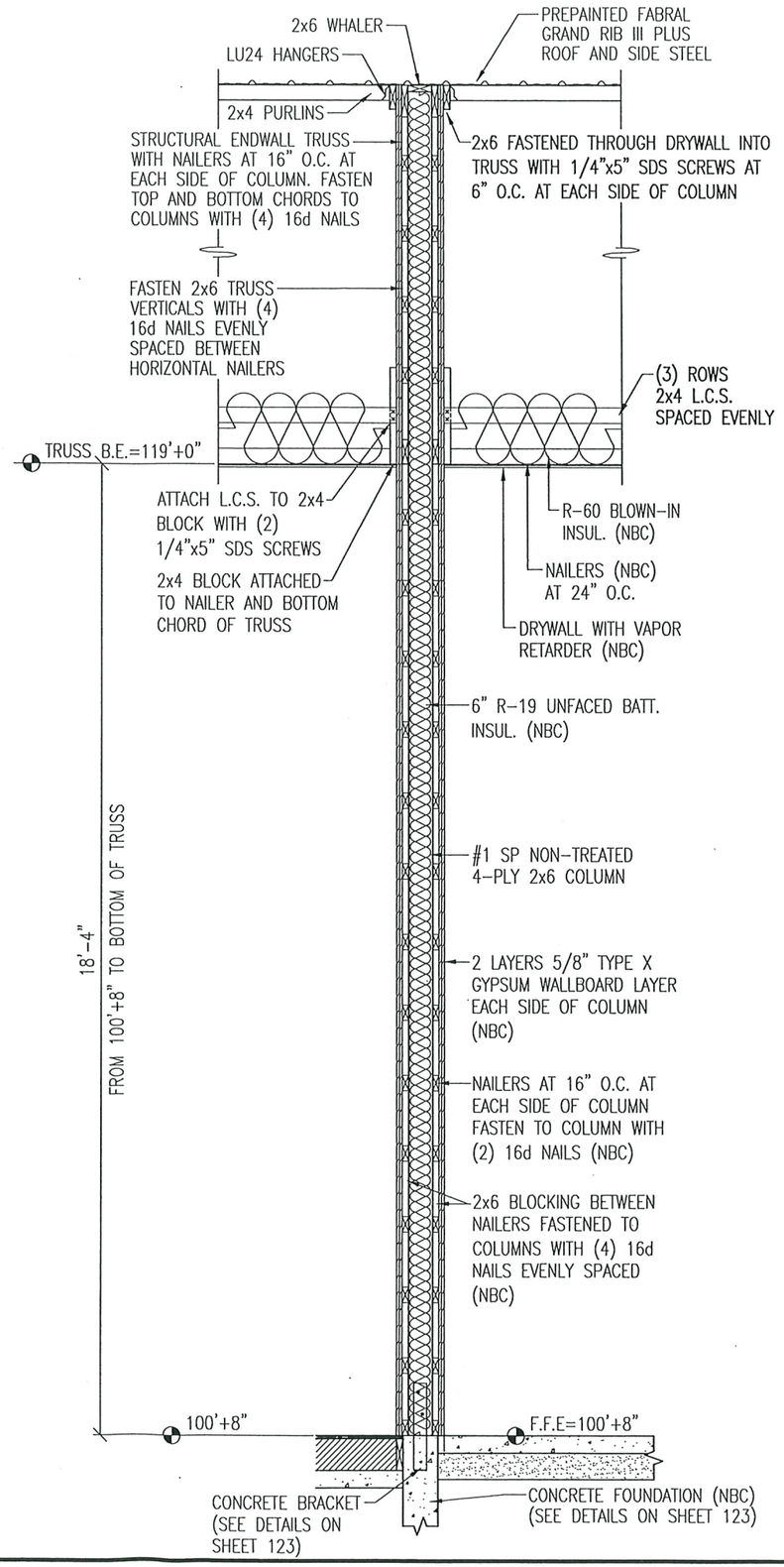
UL DESIGN NO V304 ASSEMBLY SPECIFICATIONS:
NOM. 5/8" THICK TYPE X GYPSUM BOARD APPLIED HORIZONTALLY. JOINTS IN ADJACENT LAYERS ARE STAGGERED A MIN. 16". GYPSUM BOARD SECURED TO THE WOOD GIRTS AS FOLLOWS:

FIRST LAYER FASTENED WITH 2" LONG TYPE W COARSE THREADED SCREWS SPACED MAX. 24" O.C. ALONG THE HORIZONTAL EDGE AND MAX. 8" O.C. ALONG THE VERITCAL EDGE TO THE COLUMNS.

SECOND LAYER FASTENED WITH 2 1/2" LONG TYPE W COARSE THREADED SCREWS SPACED MAX. 24" O.C.

NOTE:
RECOMMENDED EXTERIOR LAYER AND LAYERS IN CONTACT WITH CONCRETE: USG SHEET ROCK FIRECODE X (UL TYPE SHX)

ALL SCREWS ARE OFFSET MIN. 6" FROM ADJACENT LAYERS



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CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

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DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

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1		
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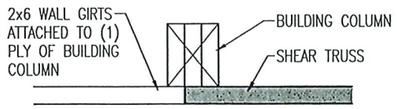
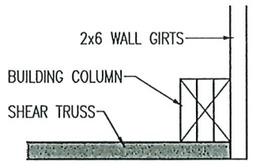
PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: TYPICAL SECTION "C"

PROJECT NUMBER: **2020104484**
SHEET NUMBER: **142**
SHEET SCALE: *3/4"=1'-0"*

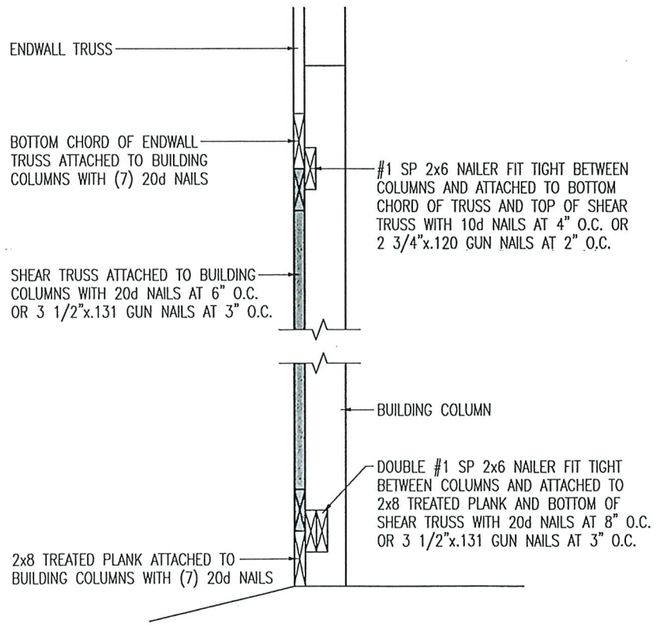
NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



SHEAR TRUSS DETAIL
AT BUILDING COLUMN



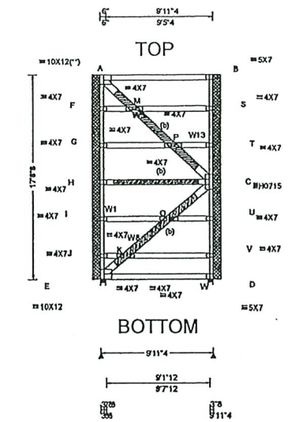
SHEAR TRUSS DETAIL
AT CORNER COLUMN



ENDWALL SHEAR TRUSS SECTION

SEQN: 23382 FLAT FROM: ZEW	Ply: 1 Qty: 1	**Job Number:** 2020104484 . **Truss Label:** SA9-11-4X17-8-8SHEAR2650	Cust: R 7054 JRef: 1WZO70540008 T2901 DrwNo: 294.20.1321.52990 DEH / AHF 10/20/2020

FOREMAN NOTE:
TO ENSURE PROPER INSTALLATION OF SHEAR TRUSS, PLEASE NOTE TOP AND BOTTOM NOTED ON DIAGRAM AND VERIFY ENDWALL GIRT SPACING PRIOR TO INSTALLATION



Loading Criteria (psf)
TCLL: 1.00
TCDL: 1.00
BCLL: 0.00
BCDL: 1.00
Des Ld: 3.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.60
Spacing: 12.0 "

Wind Criteria
Wind Std:
Speed:
Enclosure:
Risk Category:
EXP: Kzt:
Mean Height:
TCDL:
BCDL:
MWFRS Parallel Dist:
C&C Dist a:
Loc. from endwall:
GCpi:
Wind Duration:

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
IBC 2015
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:20(20)/10(10)/4(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.008	B	999	240
VERT(CL): 0.008	B	999	180
HORZ(LL): -0.096	B	-	-
HORZ(TL): 0.096	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.046
Max BC CSI: 0.989
Max Web CSI: 1.000

VIEW Ver: 18.02.01A.0205.19

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	103	/-	/31	/261	/242	/1313
W	103	/-	/31	/326	/307	/1312

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 5.5
W Brg Width = 5.5 Min Req = 5.5
Bearings E & W are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	2629	-2631

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - D	1325	-1325

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	2388	-2398	M - P	3544	-3544
A - M	3528	-3528	O - C	3435	-3435
E - J	2424	-2434	P - C	3558	-3558
E - K	3405	-3405	C - U	1989	-1998
F - G	1680	-1689	S - T	1634	-1643
G - H	780	-789	S - B	734	-743
H - I	1011	-1020	T - C	2534	-2543
I - J	1911	-1920	U - V	1089	-1098
K - O	3422	-3422			

Lumber
Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x6 SP 2400f-2.0E; W1,W13 2x4 SP #2; W5, W8 2x8 SP 2400f-2.0E;

Bracing
(b) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

In lieu of rigid sheathing use purlins to brace TC @ 24" oc

See Cleary Building Corp. drawings for bearing attachment and bottom chord bracing details. This design applies to both open wall and enclosed wall buildings.

Loading
Truss transfers a maximum horizontal load of 2650 # (283.30 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads: Force(#)	(PLF)	Mbr	Start	End
Case 1: 2650	283.30	TC	0.29	9.65
2650	283.30	BC	0.29	9.65

Bottom chord checked for 20.00 psf non-concurrent bottom chord live load applied per IBC-15 section 1607.

WISCONSIN
BRUCE ALAN FELDMANN
E-26209
ST. LOUIS, MO
PROFESSIONAL ENGINEER

10/20/2020

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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Suite 242
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VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*
PLAN REVISIONS:

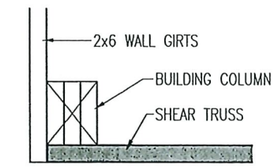
NUMBER	DATE	BY
1		
2		
3		
4		

ABBREVIATIONS:
NBC = NOT BY CLEARY
BCS = BY CLEARY SUB

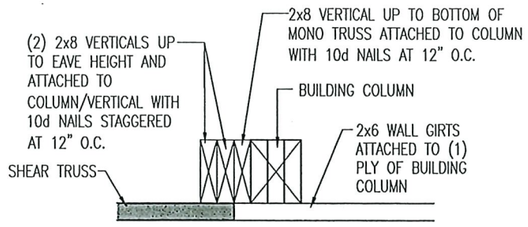
PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: SHEAR TRUSS BRACING DETAILS "A"

PROJECT NUMBER: 2020104484
SHEET NUMBER: 150
SHEET SCALE: *NTS*

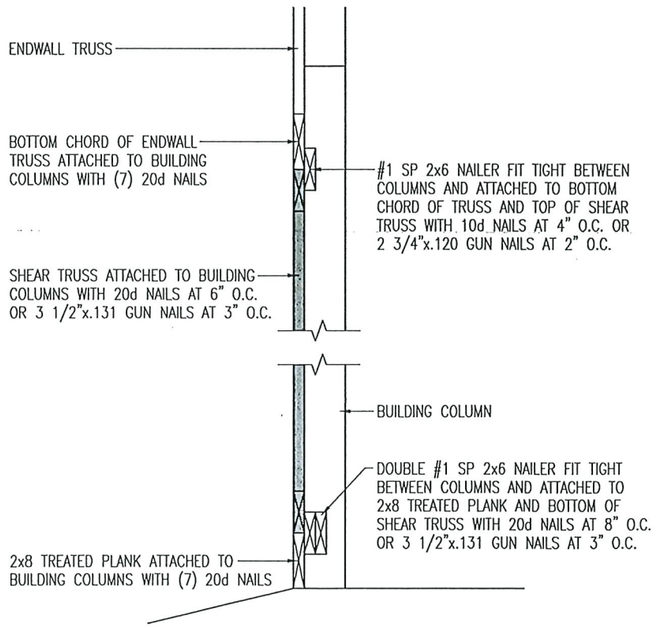
NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



SHEAR TRUSS DETAIL
AT CORNER COLUMN



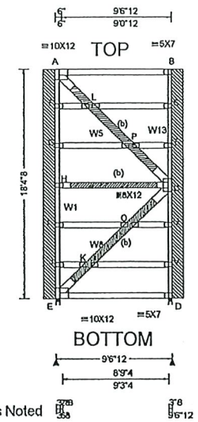
SHEAR TRUSS DETAIL
AT BUILDING COLUMN



ENDWALL SHEAR TRUSS SECTION

SEQN: 489570 FLAT FROM: MJS	Ply: 1 Qty: 1	**Job Number:** 2020104484 . **Truss Label:** SB9-6-12X18-4-8SHEAR2550	Cust: R 7054 JRef:1WYS70540003 T2898 DrwNo: 262.20.0940.06710 / FK 09/18/2020

FOREMAN NOTE:
TO ENSURE PROPER INSTALLATION OF SHEAR TRUSS, PLEASE NOTE TOP AND BOTTOM NOTED ON DIAGRAM AND VERIFY ENDWALL GIRT SPACING PRIOR TO INSTALLATION



Loading Criteria (psf)
TCLL: 1.00
TCDL: 1.00
BCLL: 0.00
BCDL: 1.00
Des Ld: 3.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.60
Spacing: 12.0 "

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
IBC 2018
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:20(20)/10(10)/4(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.006 B	999	240
VERT(CL):	0.006 B	999	180
HORZ(LL):	-0.100 B	-	-
HORZ(TL):	0.100 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.042
Max BC CSI: 0.987
Max Web CSI: 1.000

VIEW Ver: 18.02.01A.0205.19

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	99	/-	/21	/283	/266	/1264
D	99	/-	/21	/349	/331	/1264

Wind reactions based on MWFRS
E Brg Width = 3.5 Min Req = 3.5
D Brg Width = 3.5 Min Req = 3.5
Bearings E & D are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	2529	-2531

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - D	1275	-1275

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	2388	-2397	L - P	3470	-3470
A - L	3454	-3454	O - C	3478	-3478
E - J	2626	-2635	P - C	3482	-3482
E - K	3451	-3451	C - U	2160	-2169
F - G	1678	-1687	S - T	1638	-1647
G - H	776	-785	S - B	736	-745
H - I	1020	-1029	T - C	2540	-2549
I - J	1922	-1931	U - V	1258	-1267
K - O	3465	-3465			

Lumber
Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x6 SP 2400f-2.0E; W1,W13 2x4 SP #2; W5, W8 2x8 SP 2400f-2.0E;

Bracing
(b) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

See Cleary Building Corp. drawing for bearing attachment and bottom chord bracing details. This designs applies to both open wall and enclosed wall buildings.

Loading
Truss transfers a maximum horizontal load of 2550 # (283.99 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.
Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 2550 283.99 TC 0.29 9.27
2550 283.99 BC 0.29 9.27

WI COA #2902-011

09/18/2020

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

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CLEARY BUILDING CORP.
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VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*
PLAN REVISIONS:

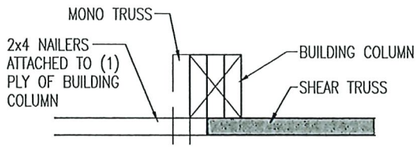
NUMBER	DATE	BY
1		
2		
3		
4		

ABBREVIATIONS:
NBC = NOT BY CLEARY
BCS = BY CLEARY SUB

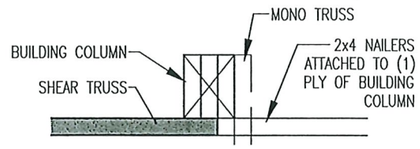
PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: SHEAR TRUSS BRACING DETAILS "B"

PROJECT NUMBER: 2020104484
SHEET NUMBER: 151
SHEET SCALE: *NTS*

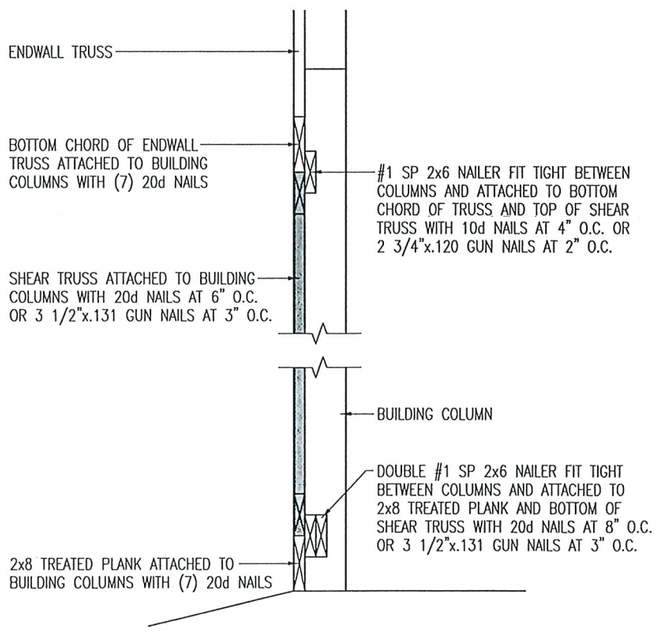
NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



SHEAR TRUSS DETAIL
AT BUILDING COLUMN



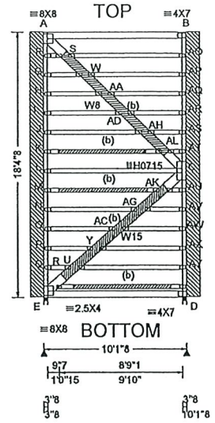
SHEAR TRUSS DETAIL
AT BUILDING COLUMN



ENDWALL SHEAR TRUSS SECTION

SEQN: 489573 FLAT FROM: MJS	Ply: 1 Qty: 1	Job Number: 2020104484 . Truss Label: SC10-1-8X18-4-8SHEAR2550	Cust: R 7054 JRef: 1WYS70540003 T2899 DrwNo: 262.20.0943.33180 / FK 09/18/2020

FOREMAN NOTE:
TO ENSURE PROPER INSTALLATION OF SHEAR TRUSS, PLEASE NOTE TOP AND BOTTOM NOTED ON DIAGRAM AND VERIFY ENDWALL GIRT SPACING PRIOR TO INSTALLATION



Loading Criteria (psf)
TCLL: 1.00
TCDL: 1.00
BCLL: 0.00
BCDL: 1.00
Des Ld: 3.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.60
Spacing: 12.0 "

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
IBC 2015
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:20(20)/10(10)/4(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.008 B	999	240
VERT(CL):	0.008 B	999	180
HORZ(LL):	-0.099 B	-	-
HORZ(TL):	0.099 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.044
Max BC CSI: 0.990
Max Web CSI: 1.000

VIEW Ver: 18.02.01A.0205.19

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	105	/-	/63	/252	/233	/1207
D	105	/-	/63	/313	/294	/1206

Wind reactions based on MWFRS
E Brg Width = 3.5 Min Req = 3.5
D Brg Width = 3.5 Min Req = 3.5
Bearings E & D are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.
A - B	2504 - 2509

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.
E - D	1275 - 1275

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	2340	- 2349	AA-AD	3436	- 3436
A - S	3404	- 3405	AC-AG	3318	- 3318
E - Q	2378	- 2387	AD-AH	3436	- 3436
E - R	3260	- 3262	AG-AK	3318	- 3318
F - G	2022	- 2032	AH-AL	3435	- 3436
G - H	1666	- 1676	AK- C	3346	- 3347
H - I	1310	- 1319	AL- C	3477	- 3477
I - J	953	- 963	C -AU	1957	- 1966
J - K	597	- 607	AO-AP	697	- 706
L - M	462	- 472	AP-AQ	1053	- 1063
M - N	819	- 828	AQ-AR	1409	- 1419
N - O	1175	- 1185	AR-AS	1766	- 1775
O - P	1531	- 1541	AS-AT	2122	- 2132
P - Q	1888	- 1897	AT- C	2478	- 2488
R - U	3323	- 3322	AU-AV	1600	- 1610
S - W	3443	- 3443	AV-AW	1244	- 1253
U - Y	3317	- 3317	AW-AX	888	- 897
W -AA	3437	- 3437	AX-AY	531	- 541
Y -AC	3318	- 3318			

Lumber
Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #2; W8,W15 2x8 SP 2400f-2.0E;

Bracing
(b) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes
All plates are 3X5 except as noted.

See Cleary Building Corp. drawing for bearing attachment and bottom chord bracing details. This designs applies to both open wall and enclosed wall buildings.

Loading
Truss transfers a maximum horizontal load of 2550 # (267.25 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads:	Force(#)	(PLF)	Mbr	Start	End
Case 1:	2550	267.25	TC	0.29	9.83
	2550	267.25	BC	0.29	9.83

WI COA #2902-011

09/18/2020

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

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Suite 242
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DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*
PLAN REVISIONS:

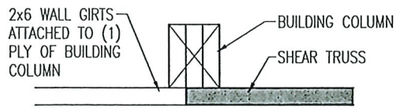
NUMBER	DATE	BY
1		
2		
3		
4		

ABBREVIATIONS:
NBC = NOT BY CLEARY
BCS = BY CLEARY SUB

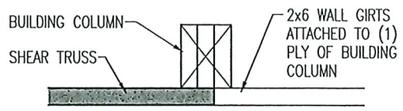
PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: SHEAR TRUSS BRACING DETAILS "C"

PROJECT NUMBER: 2020104484
SHEET NUMBER: 152
SHEET SCALE: *NTS*

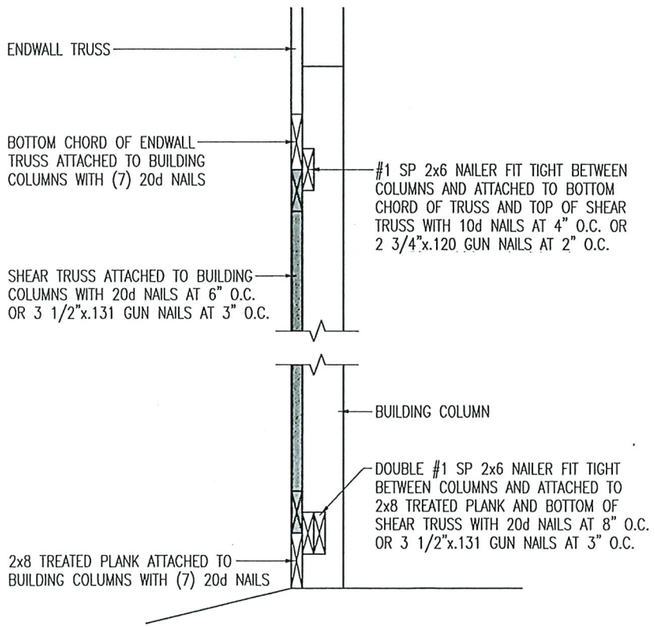
NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



SHEAR TRUSS DETAIL
AT BUILDING COLUMN



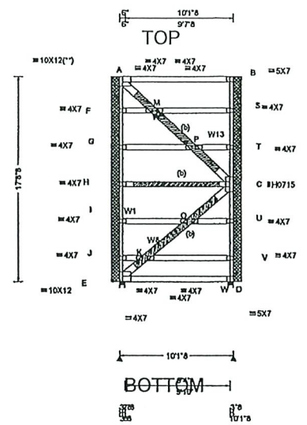
SHEAR TRUSS DETAIL
AT BUILDING COLUMN



ENDWALL SHEAR TRUSS SECTION

SEQN: 23384 FLAT FROM: ZEW	Ply: 1 Qty: 1	Job Number: 2020104484 . Truss Label: SD10-1-8X17-8-8SHEAR2650	Cust: R 7054 JRef: 1WZO70540008 T2902 DrwNo: 294.20.1303.36857 DEH / AHF 10/20/2020

FOREMAN NOTE:
TO ENSURE PROPER INSTALLATION OF SHEAR TRUSS, PLEASE NOTE TOP AND BOTTOM NOTED ON DIAGRAM AND VERIFY ENDWALL GIRT SPACING PRIOR TO INSTALLATION



Loading Criteria (psf)
TCLL: 1.00
TCDL: 1.00
BCLL: 0.00
BCDL: 1.00
Des Ld: 3.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.60
Spacing: 12.0 "

Wind Criteria
Wind Std:
Speed:
Enclosure:
Risk Category:
EXP: Kzt:
Mean Height:
TCDL:
BCDL:
MWFRS Parallel Dist:
C&C Dist a:
Loc. from endwall:
GCpi:
Wind Duration:

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
IBC 2015
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:20(20)/10(10)/4(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.007 B	999	240
VERT(CL):	0.007 B	999	180
HORZ(LL):	-0.095 B	-	-
HORZ(TL):	0.095 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.047
Max BC CSI: 0.989
Max Web CSI: 1.000

VIEW Ver: 18.02.01A.0205.19

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	105	/-	/33	/251	/232	/1313
W	105	/-	/33	/314	/295	/1312

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 5.5
W Brg Width = 5.5 Min Req = 5.5
Bearings E & W are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	2628	-2631

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - D	1325	-1325

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	2344	-2353	M - P	3515	-3515
A - M	3499	-3499	O - C	3410	-3410
E - J	2374	-2383	P - C	3529	-3529
E - K	3380	-3380	C - U	1955	-1964
F - G	1649	-1659	S - T	1601	-1611
G - H	767	-777	S - B	719	-729
H - I	988	-998	T - C	2484	-2493
I - J	1871	-1880	U - V	1072	-1082
K - O	3397	-3397			

Lumber
Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x6 SP 2400f-2.0E; W1,W13 2x4 SP #2; W5, W8 2x8 SP 2400f-2.0E;

Bracing
(b) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

In lieu of rigid sheathing use purlins to brace TC @ 24" oc

See Cleary Building Corp. drawings for bearing attachment and bottom chord bracing details. This design applies to both open wall and enclosed wall buildings.

Loading
Truss transfers a maximum horizontal load of 2650 # (277.73 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads:	Force(#)	(PLF)	Mbr	Start	End
Case 1:	2650	277.73	TC	0.29	9.83
	2650	277.73	BC	0.29	9.83

Bottom chord checked for 20.00 psf non-concurrent bottom chord live load applied per IBC-15 section 1607.

WISCONSIN BRUCE ALAN FELDMANN E-26209 ST. LOUIS, MO PROFESSIONAL ENGINEER

APPROVED FOR CONSTRUCTION
10/20/2020 DATE _____ BY _____

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*
PLAN REVISIONS:

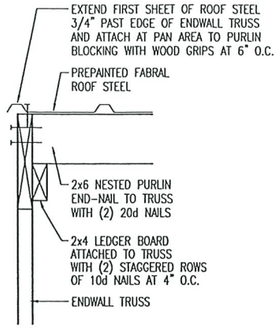
NUMBER	DATE	BY
1		
2		
3		
4		

ABBREVIATIONS:
NBC = NOT BY CLEARY
BCS = BY CLEARY SUB

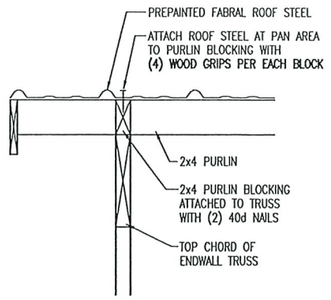
PROJECT NAME:
DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS:
917 NORTH 14TH AVENUE
STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE:
40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME:
SHEAR TRUSS BRACING DETAILS "D"

PROJECT NUMBER:
2020104484
SHEET NUMBER:
153
SHEET SCALE: *NTS*

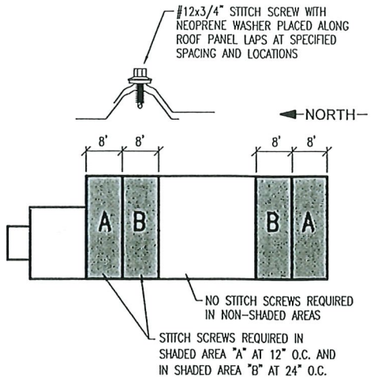
NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER



GABLE DETAIL
AT PORCH

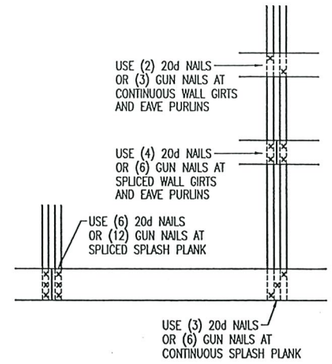


GABLE DETAIL
AT MAIN BUILDING



CONSTRUCTION FOREMAN NOTE:
STITCH SCREW TO NEXT STEEL LAP BEYOND REQUIRED DISTANCE FROM ENDWALL OF BUILDING

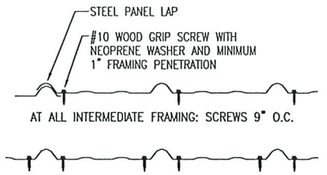
STITCH SCREW DETAIL
AT ROOF STEEL



NOTE: 20d NAILS TO BE RING SHANK HOT DIPPED GALVANIZED GUN NAIL ALTERNATE = 0.131x3 1/2 RS-TLN

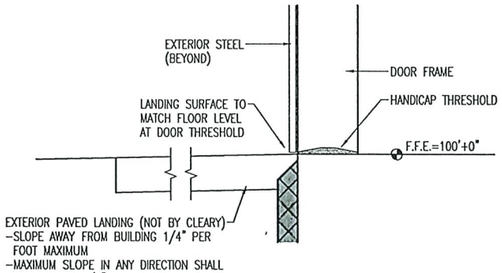
NOTE: SPLASH PLANK AT BRACING LOCATIONS REQUIRE ADDITIONAL FASTENERS (SEE BRACING DETAIL SHEET)

STANDARD WALL FRAMING NAILING

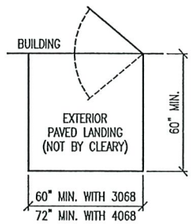


NOTE: PAN NAILS MAY BE SUBSTITUTED FOR PANEL END FASTENERS WHEN CONCEALED BY FLASHING

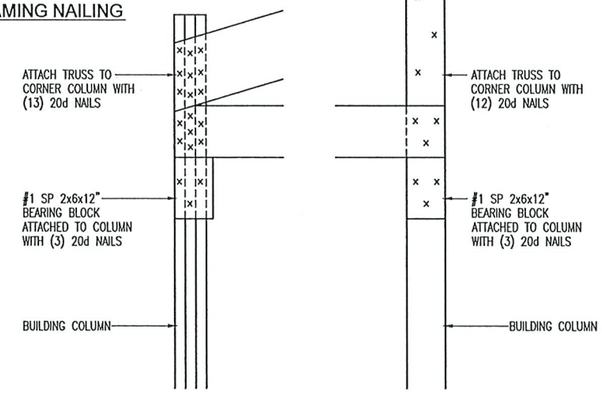
GRAND RIB 3 STEEL ATTACHMENT DETAIL



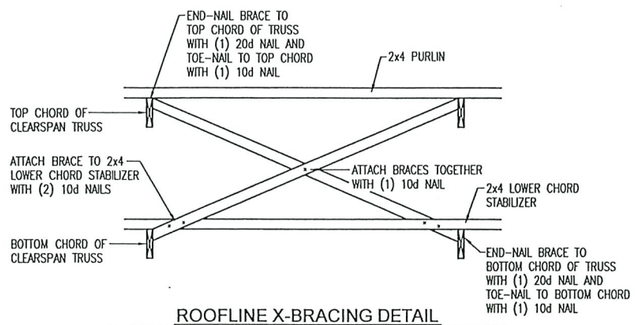
HANDICAP THRESHOLD AT EXTERIOR LANDINGS
SEE PLAN FOR LOCATIONS



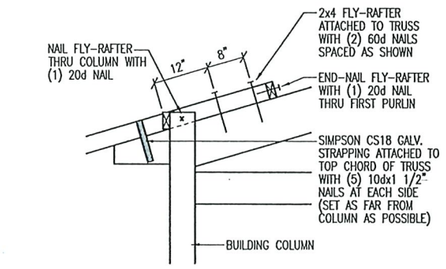
MINIMUM LANDING DIMENSIONS AT ALL ACCESSIBLE DOORS
POSITIONED FOR FORWARD APPROACH



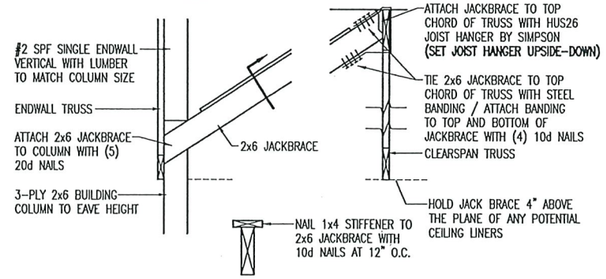
CLEARSPAN ENDWALL MONO TRUSS TO COLUMN CONNECTION DETAIL
AT BOTH ENDWALLS



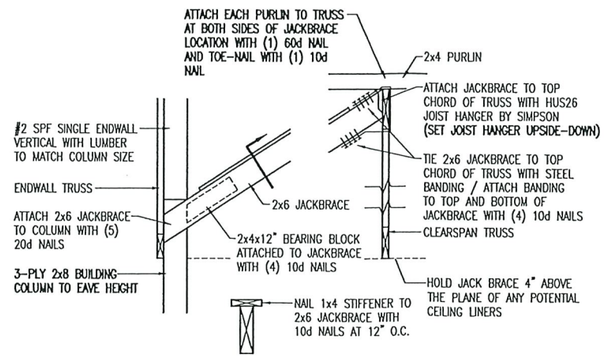
ROOFLINE X-BRACING DETAIL
X-BRACING IS ATTACHED TO LOWER CHORD STABILIZER
SEE FLOOR PLAN FOR X-BRACE LOCATIONS



FLY-RAFTER CONNECTION DETAIL

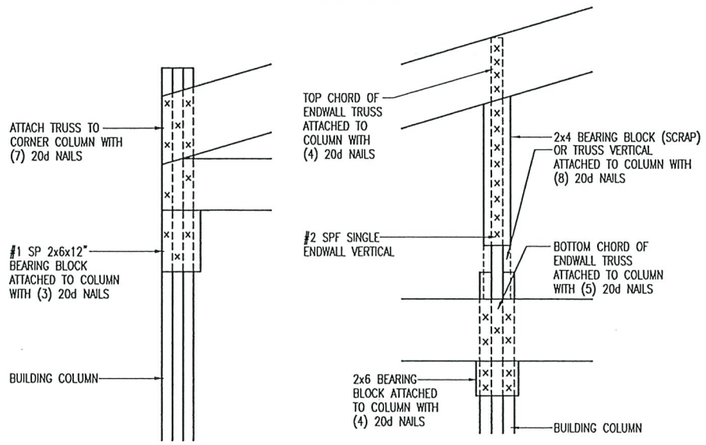


JACKBRACE DETAIL
AT 2x6 ENDWALL COLUMNS



JACKBRACE DETAIL
AT 2x8 ENDWALL COLUMNS

APPROVED FOR CONSTRUCTION
DATE _____ BY _____



STRUCTURAL ENDWALL TRUSS TO COLUMN CONNECTION DETAIL
AT BOTH ENDWALLS

NOTE:
SEE SHEET 142 FOR STRUCTURAL ENDWALL TRUSS FASTENING AT 1 HR FIRE BARRIER

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: *ZIESE*
DATE DRAWN: *6/9/2021*

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

ABBREVIATIONS:
NBC = NOT BY CLEARY
BCS = BY CLEARY SUB

PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: DIAPHRAGM ACTION and MISC. DETAILS

PROJECT NUMBER: 2020104484
SHEET NUMBER: 160
SHEET SCALE: *NTS*

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER

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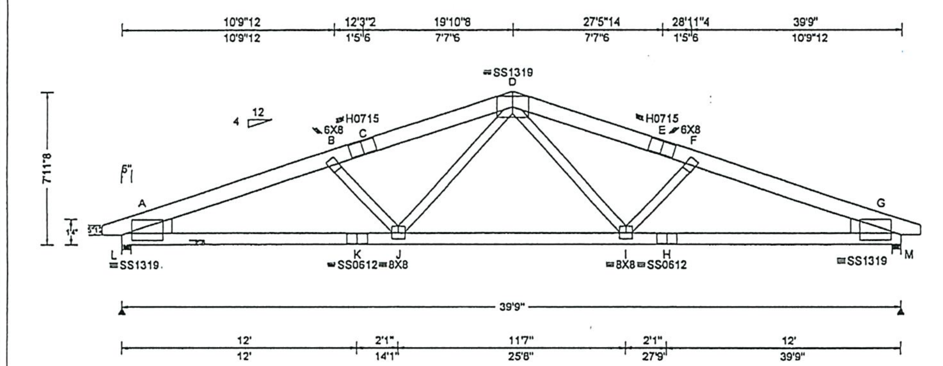
Printed By: Michael Waldera Date Printed: 7/16/2021 10:45 AM

File Name and Path: I:\Commercl\1CAD FILES\2020\2020104484\2020104484-170-TRUSS-1.dwg
Printed By: Michael Waldera   Date Printed: 7/16/2021 10:39 AM

SEQN: 487677 COMN Ply: 1 Qty: 1 Job Number: 2020104484
FROM: MJS Truss Label: TA39-9EMSC331STDW8OC4truss
Cust: R 7054 JRef: 1WYO70540003 T146 DrwNo: 258.20.0854.23970 / FK 09/14/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 33.10	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 4.00	Speed: 115 mph	Pf: NA Ce: NA	VERT(LL): 0.538 J 880 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.763 J 621 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.183 H - -
Des Ld: 47.10	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.260 H - -
NCBCLL: 0.00	Mean Height: 24.00 ft	IBC 2015	Creep Factor: 2.0
Soffit: 2.00	TCDL: 2.4 psf	TPI Std: 2014	Max TC CSI: 0.903
Load Duration: 1.15	BCDL: 6.0 psf	Rep Fac: No	Max BC CSI: 0.968
Spacing: 96.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT/PT:20(20)/10(10)/4(0)	Max Web CSI: 0.855
	C&C Dist a: 3.97 ft	Plate Type(s):	
	Loc. from endwall: Any	18SS, WAVE, HS	VIEW Ver: 18.02.01A.0205.19
	GCpi: 0.18		
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs)

Loc	R+	/R-	/Rh	/Rw	/U	/RL
L	7523	/-	/-	/2327	/1186	/363
M	7523	/-	/-	/2327	/1186	/-

Gravity / Non-Gravity

Wind reactions based on MWFRS
L Brg Width = 5.5 Min Req = —
M Brg Width = 5.5 Min Req = —
Bearings L & M Fcperp = 565psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	5245 -15036	D - E	4810 -13343
B - C	4763 -13491	E - F	4761 -13491
C - D	4812 -13343	F - G	5243 -15036

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - K	13829 -4497	I - H	13829 -4474
K - J	13829 -4497	H - G	13829 -4474
J - I	10419 -3145		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - J	1473 -3317	D - I	4477 -681
J - D	4477 -680	I - F	1474 -3317

Lumber
Top chord: 2x10 SP 2400f-2.0E;
Bot chord: 2x8 SP 2400f-2.0E;
Webs: 2x6 SP #1;
Lt Wedge: 2x10 SP 2400f-2.0E;
Rt Wedge: 2x10 SP 2400f-2.0E;

Loading
Truss designed for unbalanced load using 0.00/1.30 windward/leeward factors.

Wind
Wind loads based on MWFRS with additional C&C member design.

See Cleary Building Corp. drawing for bearing attachment and bottom chord bracing details. This designs applies to both open wall and enclosed wall buildings.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC.

Truss designed for unbalanced snow load based on WI alternative snow requirements. Unbalanced snowload of 33.1 psf based on Ss=50 psf, Is=1, Cb=0.8, Cw=1 Cs=0.92, Ca=1.17 unobstructed slippery surface.

WISCONSIN FRED KAMPMANN 33119-006 MILLSTADT, IL PROFESSIONAL ENGINEER
WI COA #2902-011
09/14/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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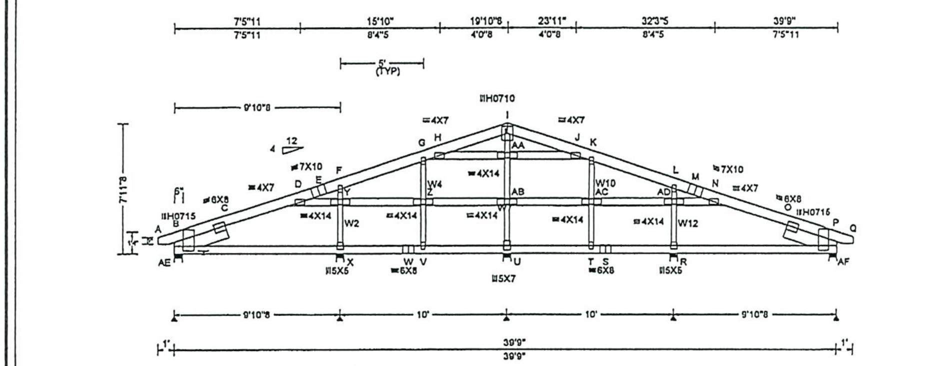
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 14712 GABL Ply: 1 Qty: 1 Job Number: 2020104484
FROM: MJS Truss Label: TB39-9ENDWALL4WOH16HEELSEW
Cust: R 7054 JRef: 1WYO70540003 T2887 DrwNo: 258.20.0907.31510 / FK 09/14/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 33.10	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 4.00	Speed: 115 mph	Pf: NA Ce: NA	VERT(LL): 0.137 O 864 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.225 O 526 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.060 C - -
Des Ld: 47.10	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.099 C - -
NCBCLL: 0.00	Mean Height: 24.00 ft	IBC 2015	Creep Factor: 2.0
Soffit: 2.00	TCDL: 2.4 psf	TPI Std: 2014	Max TC CSI: 0.695
Load Duration: 1.15	BCDL: 6.0 psf	Rep Fac: No	Max BC CSI: 0.510
Spacing: 72.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT/PT:20(20)/10(10)/4(0)	Max Web CSI: 0.932
	C&C Dist a: 3.97 ft	Plate Type(s):	
	Loc. from endwall: Any	HS, WAVE	VIEW Ver: 20.01.01.0816.17
	GCpi: 0.18		
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs)

Loc	R+	/R-	/Rh	/Rw	/U	/RL
AE	1955	/-	/-	/454	/373	/304
X	3234	/-	/-	/1019	/225	/-
U	619	/-	/-	/421	/-	/-
I	3241	/-	/-	/572	/855	/-
R	3234	/-	/-	/1007	/225	/-
AF	1955	/-	/-	/503	/373	/-

Gravity / Non-Gravity

Wind reactions based on MWFRS
AE Brg Width = 5.5 Min Req = 1.6
X Brg Width = 5.5 Min Req = 2.3
U Brg Width = 5.5 Min Req = 1.5
I Brg Width = 1.5 Min Req = -
R Brg Width = 5.5 Min Req = 1.6
AF Brg Width = 5.5 Min Req = 1.5
Bearings AE, X, U, R, & AF are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	925 -1620	I - J	3528 -1398
C - D	915 -1383	J - K	734 -49
D - E	675 -335	K - L	661 -214
E - F	782 -329	L - M	782 -335
F - G	661 -214	M - N	675 -341
G - H	734 -93	N - O	921 -1383
H - I	3528 -1393	O - P	932 -1620

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - X	1251 -574	U - T	1184 -515
X - W	1185 -531	T - S	1185 -523
W - V	1185 -531	S - R	1185 -523
V - U	1184 -522	R - P	1251 -567

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - Y	1361 -1825	AA - J	1487 -2777
F - Y	678 -2312	AB - AC	1262 -1712
Y - X	829 -2482	AC - AD	1275 -1716
Y - Z	1274 -1716	AD - R	829 -2482
Z - AB	1262 -1712	AD - L	679 -2312
H - AA	1488 -2777	AD - N	1361 -1825

Lumber
Top chord: 2x8 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x6 SP 2400f-2.0E; W2,W4,W10,
W12 2x4 SP #2; W7 2x4 SPF #1/#2;
Lt Slider: 2x10 SP 2400f-2.0E; block length = 3.269'
Rt Slider: 2x10 SP 2400f-2.0E; block length = 3.269'

Plating Notes
All plates are 3X5 except as noted.

Truss designed for unbalanced snow load based on WI alternative snow requirements. Unbalanced snowload of 33.1 psf based on Ss=50 psf, Is=1, Cb=0.8, Cw=1 Cs=0.92, Ca=1.17 unobstructed slippery surface.

Loading
Truss designed for unbalanced load using 0.00/1.30 windward/leeward factors.

Wind
Wind loads based on MWFRS with additional C&C member design.

See Cleary Building Corp. drawing for bearing attachment and bottom chord bracing details. This designs applies to both open wall and enclosed wall buildings.

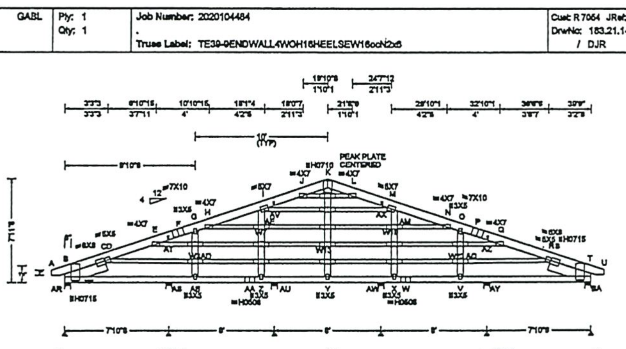
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC.

WISCONSIN FRED KAMPMANN 33119-006 MILLSTADT, IL PROFESSIONAL ENGINEER
WI COA #2902-011
09/14/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 19466 GABL Ply: 1 Qty: 1 Job Number: 2020104484
FROM: MJS Truss Label: TE39-9ENDWALL4WOH16HEELSEW16ocN2x6
Cust: R 7054 JRef: 1X5R70540007 T2906 DrwNo: 183.21.1449.42937 / DJR 07/02/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 33.10	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 4.00	Speed: 115 mph	Pf: NA Ce: NA	VERT(LL): 0.034 R 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.055 R 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 D - -
Des Ld: 47.10	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.026 D - -
NCBCLL: 0.00	Mean Height: 24.00 ft	IBC 2015	Creep Factor: 2.0
Soffit: 2.00	TCDL: 2.4 psf	TPI Std: 2014	Max TC CSI: 0.249
Load Duration: 1.15	BCDL: 6.0 psf	Rep Fac: No	Max BC CSI: 0.204
Spacing: 48.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT/PT:20(20)/10(10)/4(0)	Max Web CSI: 0.534
	C&C Dist a: 3.97 ft	Plate Type(s):	
	Loc. from endwall: Any	HS, WAVE	VIEW Ver: 21.01.00A.0324.17
	GCpi: 0.18		
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs)

Loc	R+	/R-	/Rh	/Rw	/U	/RL
AR	1061	/-	/-	/237	/186	/203
AS	409	/-	/-	/326	/-	/-
AT	1477	/-	/-	/261	/378	/-
AU	455	/-	/0	/176	/-	/-
AV	1546	/-	/-	/313	/246	/-
AW	455	/-	/0	/172	/-	/-
AX	1546	/-	/-	/300	/246	/-
AY	409	/-	/-	/329	/-	/-
AZ	1477	/-	/-	/241	/378	/-
BA	1061	/-	/-	/271	/186	/-

Gravity / Non-Gravity

Wind reactions based on MWFRS
AR Brg Width = 5.5 Min Req = 1.5
AS Brg Width = 5.5 Min Req = 1.5
AT Brg Width = 1.5 Min Req = -
AU Brg Width = 5.5 Min Req = 1.5
AV Brg Width = 1.5 Min Req = -
AW Brg Width = 5.5 Min Req = 1.5
AX Brg Width = 1.5 Min Req = -
AY Brg Width = 5.5 Min Req = 1.5
AZ Brg Width = 1.5 Min Req = -
BA Brg Width = 5.5 Min Req = 1.5
Bearings AR, AS, AU, AW, AY, & BA are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	510 -846	K - L	265 -525
C - D	486 -649	L - M	503 -660
E - F	367 -766	N - O	266 -444
F - G	276 -515	O - P	279 -515
G - H	265 -444	P - Q	360 -766
I - J	500 -660	R - S	489 -649
J - K	264 -525	S - T	513 -846

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - AB	1236 -613	Y - X	1030 -425
AB - AA	543 -243	X - W	543 -236
AA - Z	543 -243	W - V	543 -236
Z - Y	1030 -435	V - T	1238 -603

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.

Lumber
Top chord: 2x8 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #2; W3,W7,W13,W19,
W23 2x6 SPF #1/#2;
Lt Slider: 2x10 SP 2400f-2.0E; block length = 3.269'
Rt Slider: 2x10 SP 2400f-2.0E; block length = 3.269'

Plating Notes
All plates are 4X14 except as noted.
Handling stresses not considered for plates. Handling of this truss requires special care by truss manufacturer and installation contractor to prevent plate damage.

Loading
Truss designed for unbalanced load using 0.00/1.30 windward/leeward factors.

Wind
Wind loads based on MWFRS with additional C&C member design.

Purlins
In lieu of structural panels use purlins to brace TC @ 24" oc.

See Cleary Building Corp. drawings for bearing attachment and bottom chord bracing details. This design applies to both open wall and enclosed wall buildings.

WISCONSIN DAVID J. ROTHWEILER E-46600 MARYLAND HEIGHTS, MISSOURI PROFESSIONAL ENGINEER
WI COA #2902-011
07/02/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

APPROVED FOR CONSTRUCTION
DATE __________ BY __________

NOTE:
SHEET SCALE DESIGNED
FOR 24"x36" PAPER

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: ZIESE
DATE DRAWN: 6/9/2021

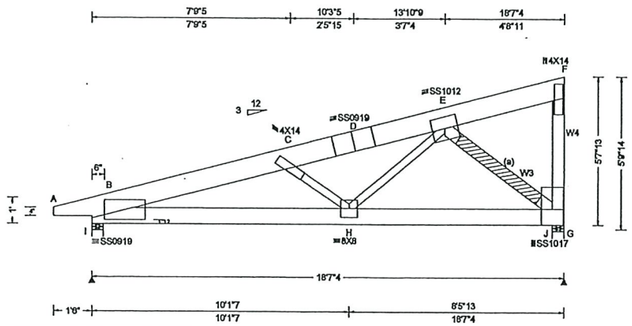
PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS:
917 NORTH 14TH AVENUE
STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE:
40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME:
TRUSS DIAGRAMS

PROJECT NUMBER:
2020104484
SHEET NUMBER:
170
SHEET SCALE: NTS

SEQN: 559080 MONO	Ply: 1	Job Number: 2020104484	Cust: R 7054 JRef: 1X6I70540002 T2904
FROM: MJS	Qty: 1	.	DrwNo: 174.21.0651.09483
		Truss Label: TD18-7-4MON036STDW10OC1I6ftT4	/ DJR 06/23/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria
TCLL: 36.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 4.00	Speed: 115 mph	Pf: NA Ce: NA	VERT(LL): 0.295 C 750 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.365 C 606 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.076 G - -
Des Ld: 50.00	EXP: C Kzt: NA		HORZ(TL): 0.095 G - -
NCBCLL: 0.00	Mean Height: 24.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 2.4 psf	IBC 2015	Max TC CSI: 0.557
Load Duration: 1.15	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.958
Spacing: 120.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.989
	C&C Dist a: 3.00 ft	FT/RT/PT:20(20)/10(10)/4(0)	
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	18SS, WAVE	VIEW Ver: 21.01.01.0429.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+	/R-	/Rh	/Rw /U	/RL
I	6364	/-	/-	/1560 /1468	/873
J	7840	/-	/-	/1345 /2391	/-

Wind reactions based on MWFRS
I Brg Width = 5.5 Min Req = -
J Brg Width = 5.5 Min Req = -
Bearings I & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	3508	-12931	D - E	2452	-10264
C - D	2598	-10624	E - F	455	-634

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	12201	-3271	H - G	7142	-2229

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	1444	-3034	E - G	2823	-9048
H - E	4029	-477	F - G	830	-1877

Lumber

Top chord: 2x10 SP 2400f-2.0E;
Bot chord: 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #2; W3,W4 2x6 SP #1;

Bracing

(a) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Wind

Wind loads based on MWFRS.

Right end vertical not exposed to wind pressure.

Purlins

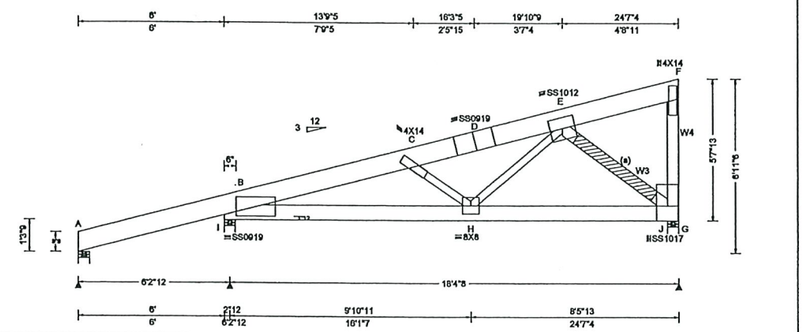
In lieu of structural panels use purlins to brace TC @ 24" oc.

See Cleary Building Corp. drawings for bearing attachment and bottom chord bracing details.
This design applies to both open wall and enclosed wall buildings.

06/23/2021
WI COA #2902-011

ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 559073 MONO	Ply: 1	Job Number: 2020104484	Cust: R 7054 JRef: 1X6I70540002 T2903
FROM: MJS	Qty: 1	.	DrwNo: 174.21.0629.06387
		Truss Label: TC18-7-4MON036STDW10OC6ftTP	/ DJR 06/23/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria
TCLL: 36.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 4.00	Speed: 115 mph	Pf: NA Ce: NA	VERT(LL): 0.295 C 751 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.359 C 618 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.077 G - -
Des Ld: 50.00	EXP: C Kzt: NA		HORZ(TL): 0.094 G - -
NCBCLL: 0.00	Mean Height: 24.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 2.4 psf	IBC 2015	Max TC CSI: 0.691
Load Duration: 1.15	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.962
Spacing: 120.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.901
	C&C Dist a: 3.00 ft	FT/RT/PT:20(20)/10(10)/4(0)	
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	18SS, WAVE	VIEW Ver: 21.01.01.0429.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+	/R-	/Rh	/Rw /U	/RL
A	1014	/-119	/-	/45 /201	/1070
I	7398	/-	/-	/1621 /1686	/-
J	7740	/-	/-	/1317 /2373	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = -
I Brg Width = 5.5 Min Req = -
J Brg Width = 5.5 Min Req = -
Bearings A, I, & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	380	-1386	D - E	2379	-9864
B - C	3404	-12362	E - F	453	-636
C - D	2525	-10223			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	11600	-3161	H - G	7017	-2206

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	1303	-2729	E - G	2794	-8889
H - E	3671	-309	F - G	828	-1868

Lumber

Top chord: 2x10 SP 2400f-2.0E;
Bot chord: 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #2; W3,W4 2x6 SP #1;

Truss checked for unbalanced snow load based on WI alternative snow requirements using unbalanced snow load factors of Ss=50 psf, Is=1, Cb=0.8, Cw=1, Cs=1, Ca=N/A.

Bracing

(a) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Special Loads

—(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)

TC: From	401 plf at	-6.00 to	401 plf at	5.55	
TC: From	401 plf at	5.55 to	632 plf at	10.18	
TC: From	632 plf at	10.18 to	1052 plf at	18.60	
BC: From	100 plf at	0.00 to	100 plf at	18.60	

Wind

Wind loads based on MWFRS.

Right end vertical not exposed to wind pressure.

Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

See Cleary Building Corp. drawings for bearing attachment and bottom chord bracing details.
This design applies to both open wall and enclosed wall buildings.

06/23/2021
WI COA #2902-011

ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

APPROVED FOR CONSTRUCTION
DATE _____ BY _____

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: ZIESE
DATE DRAWN: 6/9/2021

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME: DC ARTS CENTER LLC. - STUART CHAMPEAU
PROJECT SITE ADDRESS: 917 NORTH 14TH AVENUE STURGEON BAY, WI - DOOR COUNTY
BUILDING SIZE: 40'-0" x 80'-0" x 20'-8" WITH LEAN AND PORCH
SHEET NAME: TRUSS DIAGRAMS

PROJECT NUMBER: 2020104484
SHEET NUMBER: 171
SHEET SCALE: NTS

NOTE:
SHEET SCALE DESIGNED FOR 24"x36" PAPER

File Name and Path: I:\Commercial\CAD FILES\2020\2020104484\2020104484-171-TRUSS.dwg
Printed By: Michael Waldera Date Printed: 7/16/2021 10:40 AM

CITY OF STURGEON BAY

AESTHETIC DESIGN & SITE PLAN REVIEW BOARD

APPLICATION FOR ***CERTIFICATE OF APPROPRIATENESS***

Name: John Borkovetz

Owner of Premises: Matt & Mark Felhofer
BAY MARINE INC.

Address or Legal Description of Premises:
267 Nautical Drive Sturgeon Bay

Statement of Specific Item Requested for Approval:
Aesthetic Design

10-20-21
Date

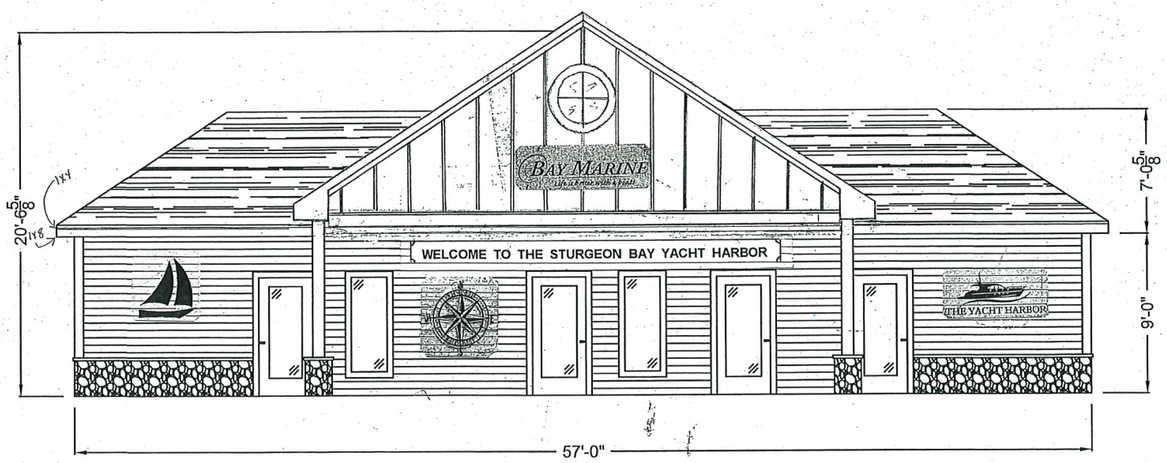
Applicant

Date Received: _____

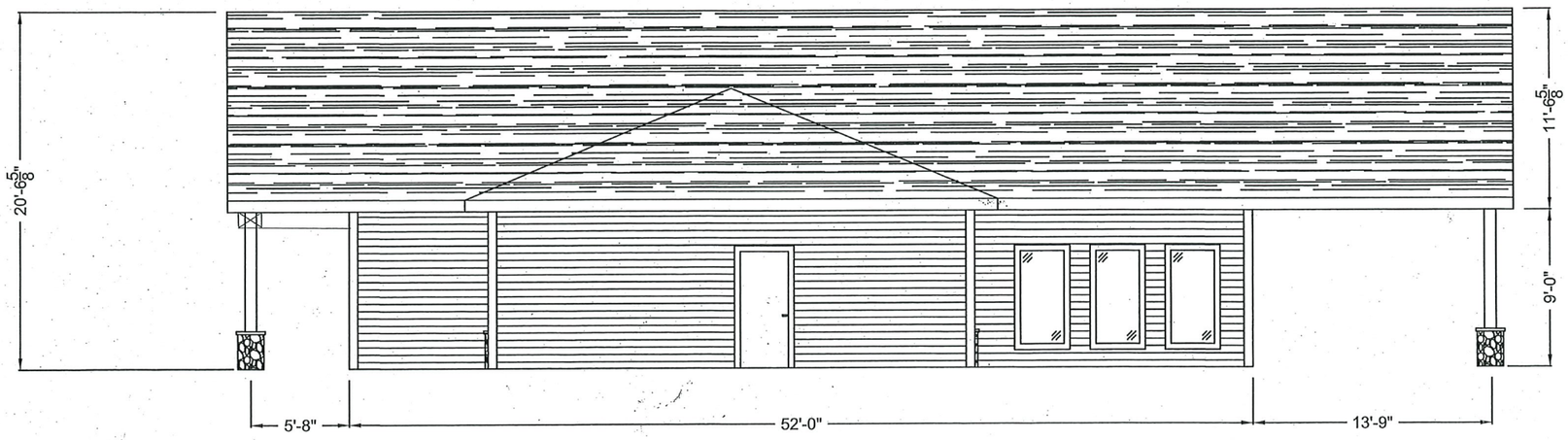
Staff Signature: _____

Date Approved/Denied: _____

GABLE END OPTION A



SOUTH ELEVATION

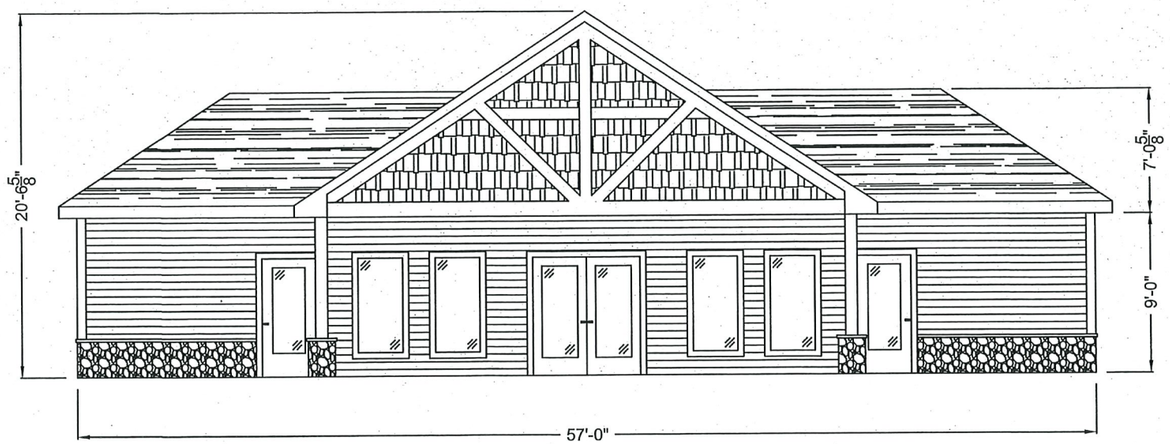


EAST ELEVATION

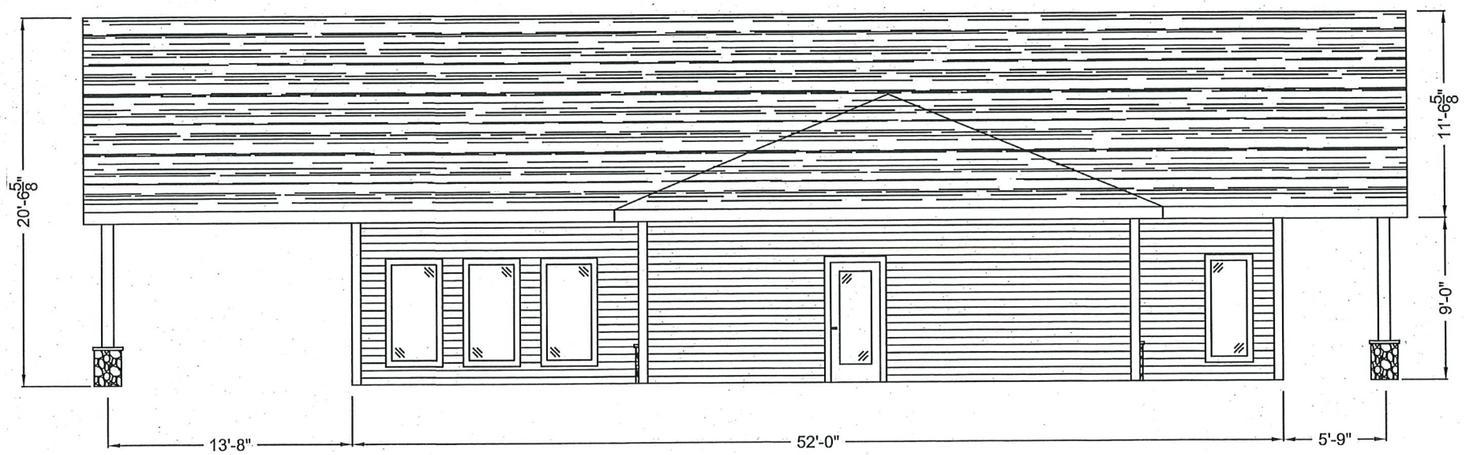
NBI DESIGNZ	SBYC OUTDOOR IMPROVEMENTS 600 NAUTICAL DRIVE, STURGEON BAY, WI	PAVILION BUILDING - ELEVATIONS	SCALE: 1/8" = 1'-0" NIKKI@NBDESIGNZ.COM 920-495-4849

10/04/2021

GABLE END OPTION B

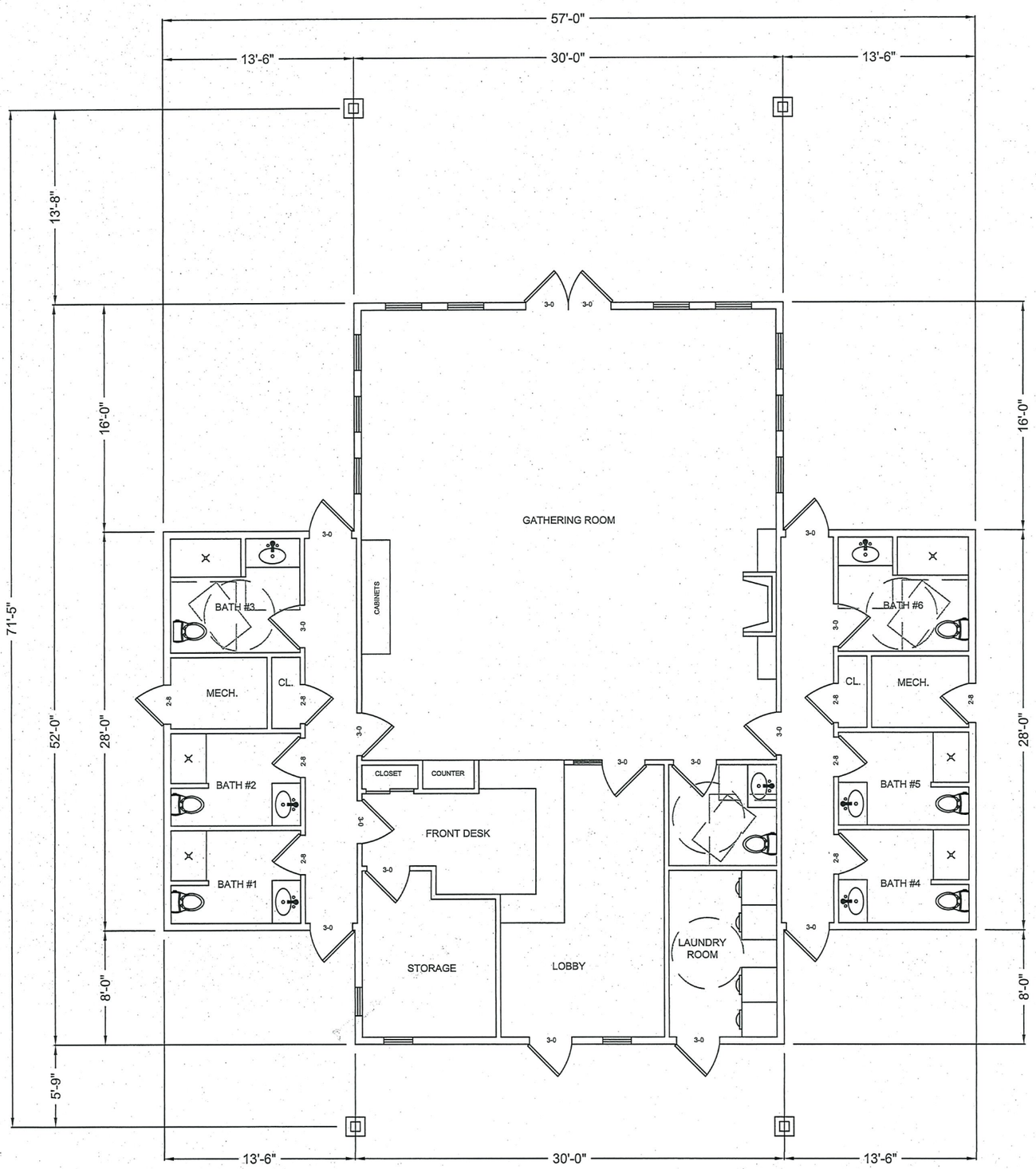


NORTH ELEVATION



WEST ELEVATION

NBI DESIGNZ	SBYC OUTDOOR IMPROVEMENTS 600 NAUTICAL DRIVE, STURGEON BAY, WI	PAVILION BUILDING - ELEVATIONS	SCALE: 1/8" = 1'-0" NIKKI@NBDESIGNZ.COM 920-495-4849	PAGE 5 / 8 10/04/2021



FLOOR PLAN

GENERAL PLAN NOTES

- DO NOT SCALE FROM DRAWINGS. BRING ANY DISCREPANCIES TO THE DESIGNERS ATTENTION.
- COORDINATE LOCATIONS AND QUANTITY OF WORK WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS.
- ALL DIMENSIONS ARE CLEAR FROM THE FACE OF FINISHED WALL/PARTITION TO FACE OF FINISHED WALL/PARTITION OR FACE OF EXISTING WALLS ACTUAL FACE.
- ALL PIPING, CONDUIT AND RELATED MECHANICAL AND ELECTRICAL ITEMS SHALL BE CONCEALED WITHIN GYPSUM BOARD. FURRING AS REQUIRED IN FINISHED AREAS WHETHER SHOWN ON DRAWINGS OR NOT, UNLESS NOTED OTHERWISE.

PAGE 1 / 8
10/04/2021

SCALE: 1/8" = 1'-0"
NIKKI@NBDESIGNZ.COM
920-495-4849

PAVILION BUILDING - FLOOR PLAN

SBYC OUTDOOR IMPROVEMENTS
600 NAUTICAL DRIVE, STURGEON BAY, WI

NB DESIGNZ

SITE PLAN

BEING:
LOT 2 OF C.S.M. #2471
RECORDED IN VOLUME 14 AT PAGE 359

LOCATED IN:
PART OF THE FRACTIONAL SE ¼ OF SECTION 7,
AND PART OF THE FRACTIONAL SW ¼ OF SECTION 8,
ALL IN TOWNSHIP 27 NORTH, RANGE 26 EAST,
CITY OF STURGEON BAY,
DOOR COUNTY,
WISCONSIN

NORTH
1" = 30'

0 50 100 200 300 400
FEET

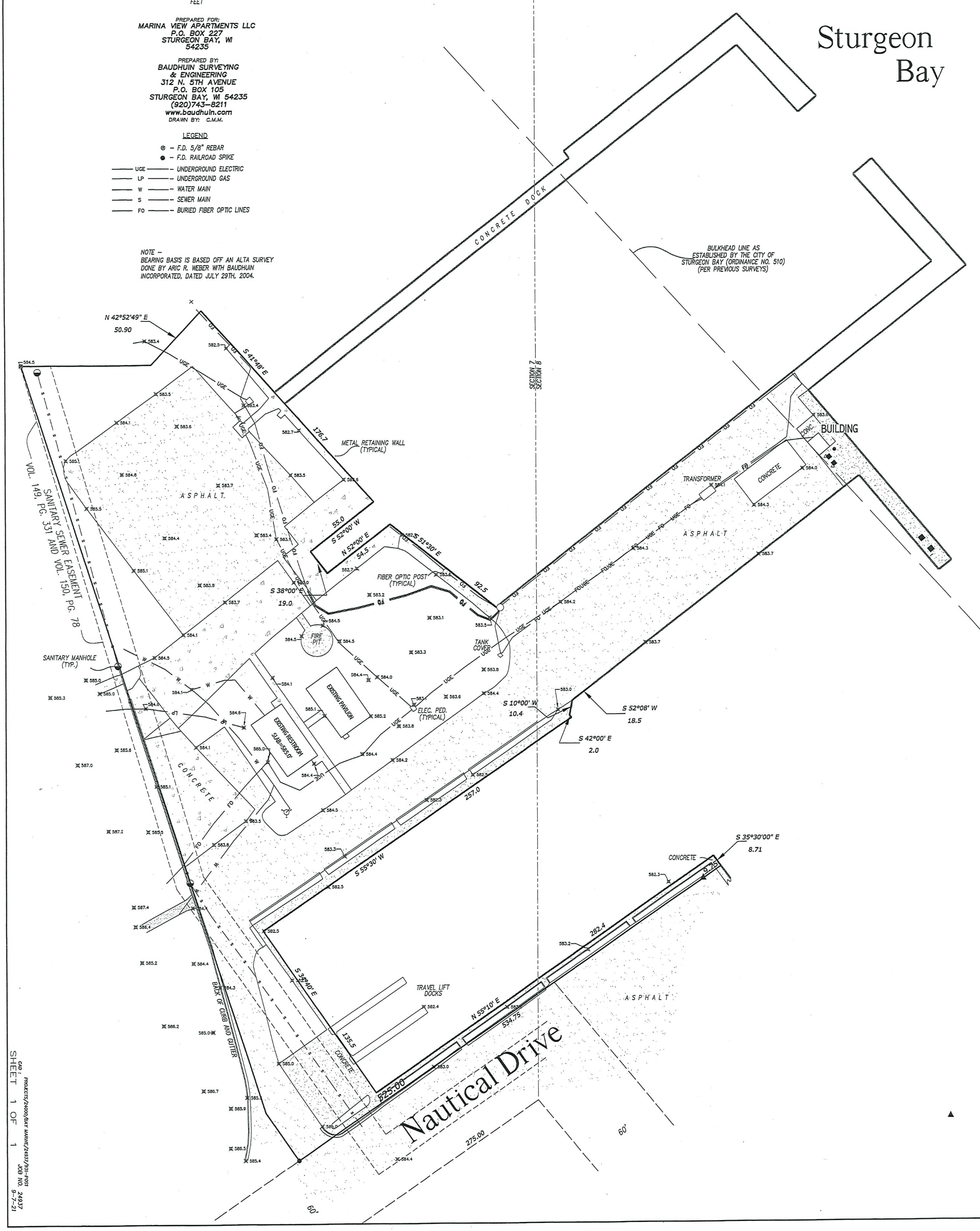
PREPARED FOR:
MARINA VIEW APARTMENTS LLC
P.O. BOX 227
STURGEON BAY, WI
54235

PREPARED BY:
BAUDHUIN SURVEYING
& ENGINEERING
312 N. 5TH AVENUE
P.O. BOX 105
STURGEON BAY, WI 54235
(920)743-8211
www.baudhuin.com
DRAWN BY: C.M.M.

LEGEND

⊗ – F.D. 5/8" REBAR
● – F.D. RAILROAD SPIKE
UGE – UNDERGROUND ELECTRIC
LP – UNDERGROUND GAS
W – WATER MAIN
S – SEWER MAIN
FO – BURIED FIBER OPTIC LINES

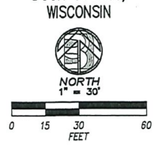
NOTE –
BEARING BASIS IS BASED OFF AN ALTA SURVEY DONE BY ARIC R. WEBER WITH BAUDHUIN INCORPORATED, DATED JULY 29TH, 2004.



CAD: PROJECTS/24000/BAY MARINE/24937/931-P051
JOB NO. 24937
SHEET 1 OF 1
9-7-21

BEING:
LOT 2 OF C.S.M. #2471
RECORDED IN VOLUME 14 AT PAGE 359

LOCATED IN:
PART OF THE FRACTIONAL SE 1/4 OF SECTION 7,
AND PART OF THE FRACTIONAL SW 1/4 OF SECTION 8,
ALL IN TOWNSHIP 27 NORTH, RANGE 26 EAST,
CITY OF STURGEON BAY,
DOOR COUNTY,
WISCONSIN



1 of 1	REUSE OF DOCUMENTS THIS DOCUMENT HAS BEEN DEVELOPED FOR A SPECIFIC APPLICATION AND NOT FOR GENERAL USE. THEREFORE IT MAY NOT BE USED WITHOUT THE WRITTEN APPROVAL OF BAUDHUIN INCORPORATED. UNAPPROVED USE IS THE SOLE RESPONSIBILITY OF THE UNAUTHORIZED USER.	PROPOSED SITE PLAN	**Bay Marine**	BAUDHUIN SURVEYING & ENGINEERING	312 N. 5TH AVE. P.O. BOX 105 STURGEON BAY, WI. 54235 PHONE: 920-743-8211	PATH: PROJECTS PLAN NAME: 24937-JBCCOL REVISED DATE:	PROJECT DIRECTORY: 24937 BAY MARINE	DRAWN BY: VD DESIGNED BY: DATE: 9-15-21 JOB NUMBER: 24937
						SCALE: 1" = 30'		

Map

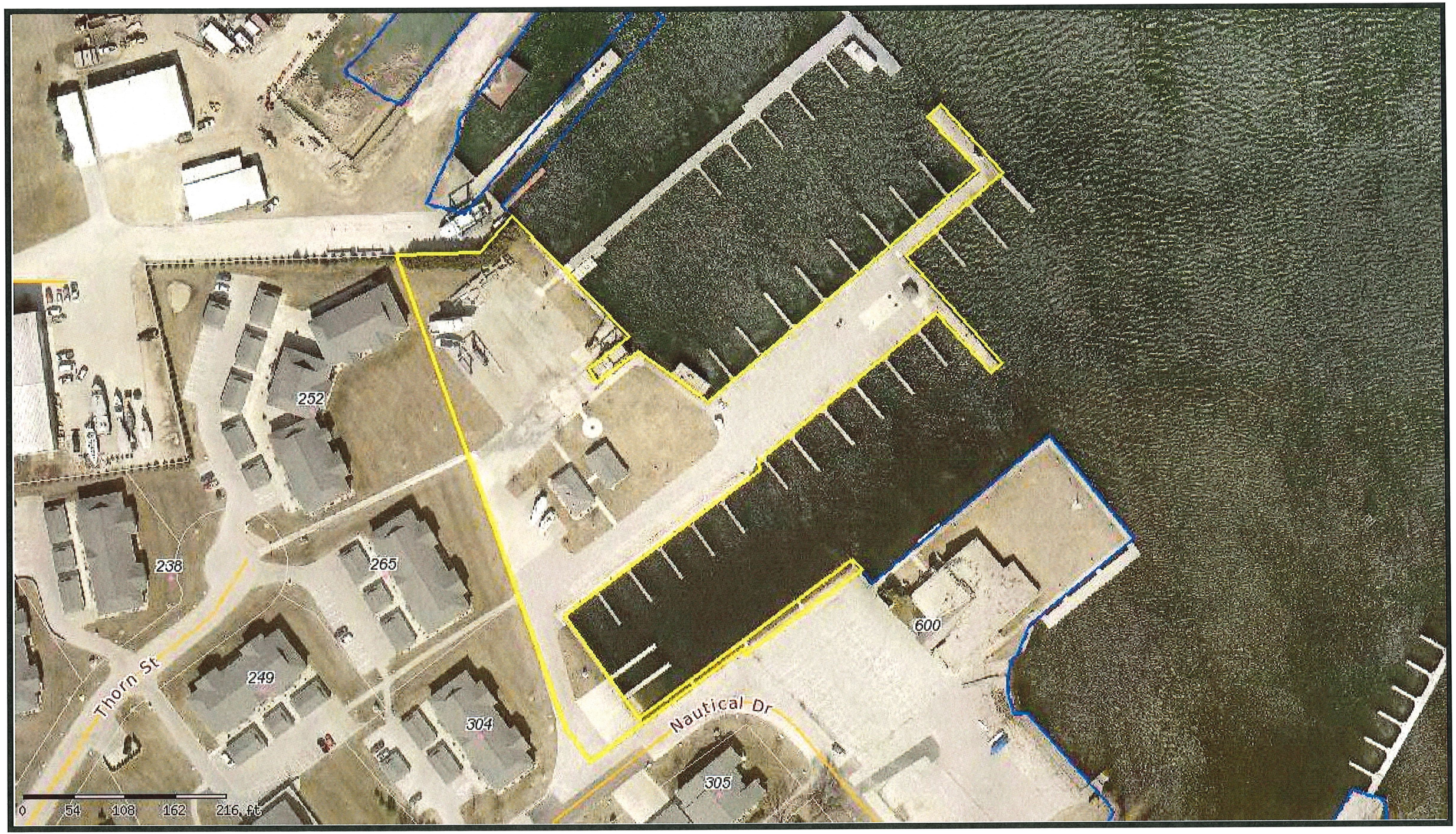
Printed 10/21/2021 courtesy of Door County Land Information Office

... from the Web Map of ...

(//www.co.door.wi.gov)

Door County, Wisconsin

... for all seasons!



CITY OF STURGEON BAY

AESTHETIC DESIGN & SITE PLAN REVIEW BOARD

APPLICATION FOR ***CERTIFICATE OF APPROPRIATENESS***

Name: ACE HARDWARE

Owner of Premises: AUSTADS, LLC- AMY LABOTT

Address or Legal Description of Premises:
1227 EGG HARBOR ROAD

Statement of Specific Item Requested for Approval:
Please review this project for all sections except exterior signage that will be submitted at a later date.

10/14/21
Date

Richard Fisher AIA
Applicant

Date Received: _____

Staff Signature: _____

Date Approved/Denied: _____


ACE

PROPOSED NEW STORE FOR:

ACE Hardware

1225 Egg Harbor Drive
City of Sturgeon Bay

SHEET INDEX

CIVIL

ARCHITECTURAL

ELECTRICAL

BUILDING CODE ANALYSIS

OCCUPANCY:M, WITH ACCESSORY B, FI & SI (NON-SEPARATED)
TYPE OF CONSTRUCTION: IIB (METAL FRAME UNPROTECTED)
SPRINKLED PER NFPA 13

OCCUPANT LOAD:
426 + 52 = 478 (SEE PLAN)

TOTAL OCCUPANT LOAD = 478

EGRESS WIDTH REQUIRED
.27 OCCUPANT NON-SPRINKLED

478 X .2 = 96" REQUIRED

FIRE FIGHTING APPARATUS
THE BUILDING IS LIMITED IN AREA
THE FIRELANE IS UNOBSTRUCTED

THE BUILDING IS LESS THAN 50'-0" TALL
THE FIRELANE OF 20'-0" MIN. WIDTH
WITH A MIN. UNOBSTRUCTED HEIGHT OF 13'-6"

CONTROL AREAS
NO HAZARDOUS MATERIALS WILL BE STORED WITHIN THIS BUILDING PER TABLES 307.1(1) AND 307.1 (2)

GRADE PLAN DETERMINATION
THE GREATEST HGT. FROM GRADE TO TOP OF WALL IS 22'-0"
ALLOWABLE HEIGHT PER TABLE 503 IS 40'

NUMBER OF STORIES (1)
THIS BUILDING HAS (1) FLOOR LEVEL

ALLOWABLE FLOOR AREA PER TABLE 506.2

M, WITH ACCESSORY B, FI & SI (NON-SEPARATED)
ALLOWABLE BUILDING SIZE 50,000 SF. NO FRONTAGE INCREASE

TOTAL BUILDING AREA 30,872 S.F.
TOTAL PROJECT AREA 30,872 S.F.

ALLOWABLE BUILDING HEIGHT PER TABLE 504.3

M, WITH ACCESSORY B, FI & SI (NON-SEPARATED)
ALLOWABLE BUILDING HEIGHT 55'

TOILET FACILITIES PER TABLE 2902.1

THIS IS A MERCANTILE BUILDING WITH 10 EMPLOYEES/ SHIFT AND 426 CUSTOMERS
10 PERSONS B USE AND 426 MERCANTILE

MEN
MERCANTILE
215/500 = .426 W.C.
215/750 = .284 LAV.

BUSINESS USE:
MEN
5/25 = .2 W.C.
5/40 = .125 LAV.

1 W.C. & 1 LAVS. REQUIRED
1 W.C., 0 URN. AND 1 LAVS. PROVIDED

WOMEN
MERCANTILE
215/500 = .426 W.C.
215/750 = .284 LAV.

BUSINESS USE:
WOMEN
5/25 = .2 W.C.
5/40 = .125 LAV.

1 W.C. & 1 LAVS. REQUIRED
1 W.C. AND 1 LAVS. PROVIDED

1 SERVICE SINK, WAREHOUSE
1 WATER COOLER

PROJECT INFORMATION

PROJECT: ACE HARDWARE
HARDWARE STORE - MERCANTILE

ADDRESS: 1227 EGG HARBOR ROAD
CITY OF STURGEON BAY, WI 54235

OWNER: AUSTADS, LLC
321 JEFFERSON STREET
CITY OF STURGEON BAY, WI 54235

CONTACT: AMY LABOTT
920-743-4417

DESIGNERS OF RECORD:

ARCHITECT: FISHER & ASSOCIATES LLC
ARCHITECTS/PLANNERS
N3654 BALSAM LAKE ROD
CRIVITZ, WISCONSIN 54114
P:(920) 316-0007

CONTACT: RICHARD J. FISHER AIA

STRUCTURAL ENGINEERS:
LARSON ENGINEERING OF WISCONSIN
2801 ENTERPRISE AVE
APPLETON, WISCONSIN 54915
P:(920) 734-4861
F:(920) 734-4880

CONTACT: BRIAN ENDTER

RELEASED FOR SITE PLAN SUBMITTAL 10/13/21

RELEASE #1 10/13/21

SMET CONSTRUCTION SERVICES CORP. • DESIGN/BUILD/FINANCE
SMET CONSTRUCTION SERVICES
OUR REPUTATION IS BUILDING
CORPORATE OFFICE
2080 PROFIT PLACE
DEPERE, WI 54115
(800) 275-8672
(920) 532-3828
FAX (920) 532-3831
E-MAIL BUILD@SMET.COM
WWW.SMET.COM

REVISIONS:

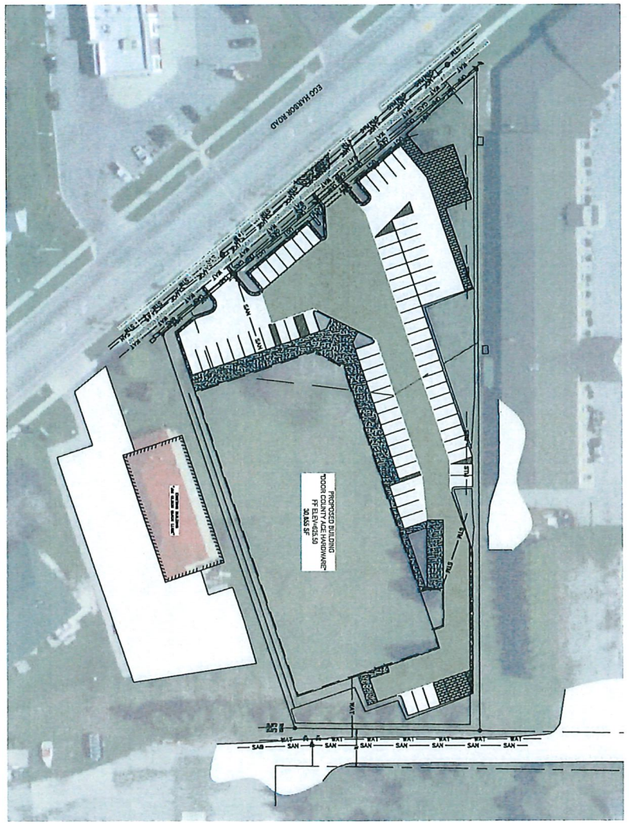
FISHER & ASSOCIATES, LLC
Architects / Planners
N3654 BALSAM LAKE DRIVE CRIVITZ, WI
PH:(920) 532-4494
rfisherfisherandassociatesllc.com

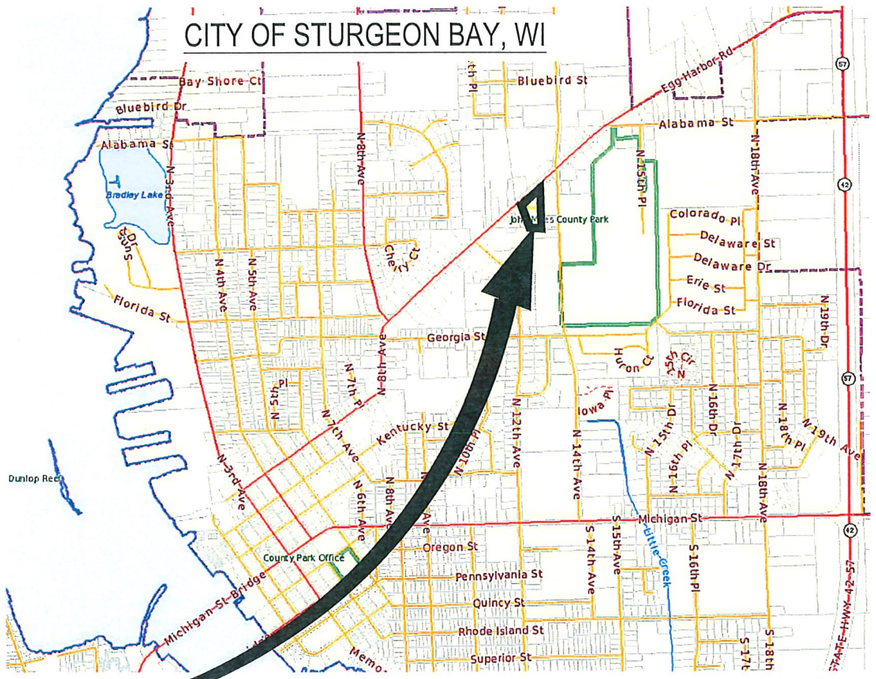
PROJECT INFO:
PROPOSED NEW STORE FOR:
1225 Egg Harbor Drive
City of Sturgeon Bay

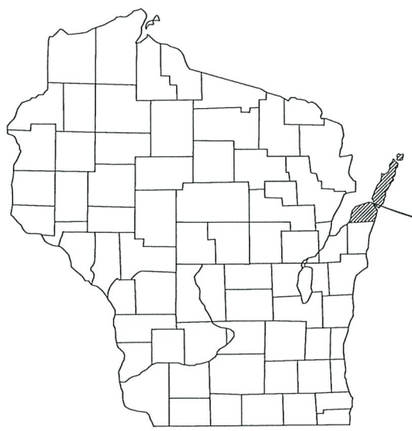
DRAWN BY: RJF	SALES: Joel
SMET NO.: -	SHEET TS
ARCHT. NO.: 21043	
DATE: 6/25/21	

DOOR COUNTY ACE HARDWARE

CIVIL CONSTRUCTION PLAN SET







INDEX OF SHEETS

SITE DATA

OWNER:	AUSTADS, LLC. 321 JEFFERSON STREET STURGEON BAY, WI 54235
SITE ADDRESS:	1227 EGG HARBOR ROAD STURGEON BAY, WI 54235
PARCEL NUMBER:	2816210000103 & 2816210000117
PARCEL SIZE:	89,205 SF (2.05 ACRES)
ZONING:	C-1 (GENERALCOMMERCIAL)

EXISTING SITE:

GREEN SPACE:	70,485 (79.02%)
IMPERVIOUS AREA:	18,720 SF (20.98%)
BUILDING:	3,852 SF
PAVEMENT:	14,868 SF

PROPOSED SITE:

GREEN SPACE PROVIDED:	17,425 (19.53%)
REQUIREMENT:	15,548 SF (17.43% - PER APPROVED VARIANCE)
IMPERVIOUS AREA:	71,780 SF (80.47%)
BUILDING:	30,855 SF
PAVEMENT:	43,423 SF
PERVIOUS PAVEMENT:	2,498 SF
TOTAL DISTURBED AREA:	2.08 ACRES

PARKING

PROVIDED:	82 (INCLUDES 4 ADA-COMPLIANT)

CONTACT DIGGERS HOT LINE
DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com
PRIOR TO THE START OF CONSTRUCTION

REVISION DATE:	DESCRIPTION	DRAWN BY: SWH DESIGNED BY: PJH DATE: 2021 OCT 13 JOB NUMBER: 24781

BAUDHUIN
SURVEYING & ENGINEERING
312 N. 5TH AVE.
P.O. BOX 105
STURGEON BAY, WI. 54235
PHONE: 920-743-8211

DOOR COUNTY ACE HARDWARE
ADDRESS: 1227 EGG HARBOR ROAD
STURGEON BAY, WI 54235

COVER SHEET

PRELIMINARY
NOT FOR CONSTRUCTION

C001 | 1 of 8

CIVIL GENERAL NOTES

- SURVEY WAS PERFORMED BY BAUDHUIN SURVEYING & ENGINEERING, INC. ON DECEMBER 15, 2020. SURVEY VERTICAL DATUM IS NAVD88
- SURVEY DOES NOT GUARANTEE THE ACCURACY OF UNDERGROUND UTILITIES. UTILITIES SHOWN ARE BASED ON ABOVE GROUND UTILITY STRUCTURE LOCATIONS AND AVAILABLE UTILITY MAPS AND PLANS
- UNLESS OTHERWISE INDICATED ALL EXISTING ITEMS TO REMAIN. EXECUTE ALL WORK WITH CARE AS TO PROTECT EXISTING ITEMS AND ADJACENT PROPERTIES FROM HARM.
- NO LAND DISTURBING ACTIVITIES SHALL TAKE PLACE UNTIL ALL EROSION CONTROL DEVICES ARE INSTALLED. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE OF PROJECT LIMITS
- ALL GRADE TRANSITIONS SHALL BE SMOOTH AND GRADUAL UNLESS OTHERWISE SPECIFIED
- FINISHED GRADE OF TOPSOIL AFTER COMPACTION SHALL BE ½" BELOW TOP OF ALL ABUTTING HARD SURFACES
- GENERAL CONTRACTOR TO COORDINATE THE WORK OF ALL TRADES, VERIFY ALL FIELD CONDITIONS, QUANTITIES, AND DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE BROUGHT TO THE ENGINEER OF RECORD
- GENERAL CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO THE START OF ANY WORK
- GENERAL CONTRACTOR TO VERIFY ALL SPECIFICATIONS, DETAILS, AND MATERIALS CONFORM TO LATEST EDITION OF APPROPRIATE GUIDELINES AND REGULATIONS
- NO HAZARDOUS MATERIALS WILL BE STORED ON SITE

EROSION CONTROL NOTES

- EROSION CONTROL METHODS SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER PRIOR TO AND DURING CONSTRUCTION TO CONTROL WATER POLLUTION, EROSION, AND SILTATION
- THE LANDOWNER (REPRESENTATIVE) SHALL INSPECT EROSION AND SEDIMENT CONTROL PRACTICES WEEKLY, AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. WRITTEN DOCUMENTATION OF EACH INSPECTION SHALL BE MAINTAINED AT THE CONSTRUCTION SITE. SEE CONSTRUCTION SITE INSPECTION REPORT (FORM 3400-187) FROM THE WDNR
- CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND DOCUMENTATION OF EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION PHASE. OWNER IS RESPONSIBLE FOR POST-CONSTRUCTION MAINTENANCE AND EFFORT
- ALL DISTURBED AREAS SHALL BE TREATED WITH STABILIZATION MEASURES, AS SPECIFIED, WITHIN 3 WORKING DAYS OF FINAL GRADING
- A MINIMUM OF 4 TO 6 INCHES OF TOPSOIL MUST BE APPLIED TO ALL AREAS TO BE SEEDED OR SODDED
- WINTER STABILIZATION: ALL AREAS REQUIRING SEED AFTER OCTOBER 15TH SHALL BE STABILIZED BY AN APPROVED WINTER STABILIZATION METHOD
- ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR STORM EVENT SHALL BE CLEANED BY THE END OF EACH WORKDAY. FLUSHING SHALL NOT BE ALLOWED
- WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCHING, OR A TACKING AGENT MAY NEED TO BE UTILIZED TO PROTECT NEARBY RESIDENTS AND WATER RESOURCES
- ANY DISTURBED AREAS OR SOIL STOCKPILES THAT REMAINS FOR MORE THAN 7 DAYS SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES. ALL TOPSOIL STOCKPILES SHALL BE SEEDED OR HAULED OFF-SITE WITHIN 60 DAYS OF CONSTRUCTION COMPLETION. THE CONTRACTOR SHALL DISPOSE OF ALL OTHER WASTE AND EXCESS MATERIAL IN AN APPROVED MANNER
- ALL TEMPORARY BEST MANAGEMENT PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR THE APPLICATION OF STABILIZATION MEASURES MUST BE REPAIRED AND STABILIZATION WORK REDONE
- WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY EROSION CONTROL PRACTICES SHALL BE REMOVED
- EROSION CONTROL CONSTRUCTION STANDARDS - SEE WDNR CONSTRUCTION SITE EROSION & SEDIMENT CONTROL STANDARDS AS FOLLOWS:
  - 1053 = CHANNEL EROSION MAT
  - 1066 = CONSTRUCTION SITE DIVERSION
  - 1062 = DITCH CHECKS
  - 1068 = DUST CONTROL
  - 1050 = LAND APPLICATION OF ADDITIVES FOR EROSION CONTROL
  - 1058 = MULCHING FOR CONSTRUCTION SITES
  - 1052 = NON-CHANNEL EROSION MAT
  - 1059 = SEEDING
  - 1057 = TRACKOUT CONTROL PRACTICES
  - 1067 = GRADING PRACTICES FOR EROSION CONTROL - TEMPORARY
  - 1054 = VEGETATIVE BUFFER FOR CONSTRUCTION SITES
  - 1061 = DE-WATERING
  - 1055 = SEDIMENT BALE BARRIER
  - 1064 = SEDIMENT BASIN
  - 1063 = SEDIMENT TRAP
  - 1070 = SILT CURTAIN
  - 1056 = SILT FENCE
  - 1060 = STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES
  - 1069 = TURBIDITY BARRIERS
  - 1051 = WATER APPLICATION OF ADDITIVES FOR EROSION CONTROL
  - 1071 = INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS

ABBREVIATIONS & SYMBOLS

°	DEGREES
±	APPROXIMATELY
ø	DIAMETER
AC	ACRE
AEW	APRON END WALL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BM	BENCHMARK
BPGE	BUILDING PAD GROUND ELEVATION
C	CABLE
CB	CATCH BASIN
CI	CURB INLET
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
CSM	CERTIFIED SURVEY MAP
CTH	COUNTY HIGHWAY TRUNK
DIA	DIAMETER
DFU	DRAINAGE FIXTURE UNITS
E	EAST
ELEC	ELECTRIC
ELEV	ELEVATION
FDM	FACILITIES DEVELOPMENT MANUAL
FFE	FIRST FLOOR ELEVATION
FL	FLOW LINE
FO	FIBER OPTIC
FT	FEET
G	GAS
GFE	GROUND FLOOR ELEVATION
HDPE	HIGH DENSITY POLYETHYLENE
INL	INLET
INV	INVERT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH
OC	ON CENTER
OD	OUTSIDE DIAMETER
OHP	OVERHEAD POWER LINE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
ROW	RIGHT OF WAY
S	SOUTH
SAN	SANITARY
SCHD	SCHEDULE
SF	SQUARE FOOT(AGE)
STH	STATE TRUNK HIGHWAY
STM	STORM
TELE	TELECOMMUNICATIONS
TOC	TOP OF CURB
W	WEST
WDOT	WISCONSIN DEPARTMENT OF TRANSPORTATION
WDNR	WISCONSIN DEPARTMENT OF NATURAL RESOURCES
WSFU	WATER SERVICE FIXTURE UNITS
WTR	WATER
WI	WISCONSIN

DRAWING LEGEND - LINES

ENTITY:	EXISTING	REMOVALS	PROPOSED
ASPHALT PAVEMENT			
BUILDING			
BRICK PAVEMENT			
CONCRETE PAVEMENT			
EROSION MAT			
GREEN SPACE			
GRAVEL			
RETAINING WALL			
CONTOUR - MAJOR			
CONTOUR - MINOR			
DITCH CENTERLINE			
ELECTRIC - UNDERGROUND	— UGE —	— UGE —	— UGE —
ELECTRIC - OVERHEAD	— OHP —	— OHP —	— OHP —
EROSION - SEDIMENT BALE			
EROSION - SILT FENCE			— S —
FENCE			
GAS	— GAS —	— GAS —	— GAS —
PARKING STRIPE			
SANITARY SEWER	— SAN —		— SAN —
STORM SEWER	— STM —	— STM —	— STM —
TREE LINE			
WATER MAIN	— WAT —	— WAT —	— WAT —

DRAWING LEGEND - SYMBOLS

ENTITY:	SYMBOL
SANITARY MANHOLE	(MH)
SANITARY CLEANOUT	(CO)
SANITARY RISER	(SR)
SANITARY CLEANOUT/RISER (COMBINED)	(C/R)
SANITARY LIFT STATION	(LS)
WATER/ELECTRIC RISER (COMBINED)	[W/E]
WELL	(W)

BAUDHUIN SURVEYING & ENGINEERING
312 N. 5TH AVE.
P.O. BOX 105
STURGEON BAY, WI. 54235
PHONE: 920-743-8211

DRAWN BY: SKW
DESIGNED BY: PJH
DATE: 2021 OCT 13
JOB NUMBER: 24781

REVISION DATE: DESCRIPTION

DOOR COUNTY ACE HARDWARE
ADDRESS: 1227 EGG HARBOR ROAD
STURGEON BAY, WI 54235

COVER SHEET

PRELIMINARY
NOT FOR CONSTRUCTION

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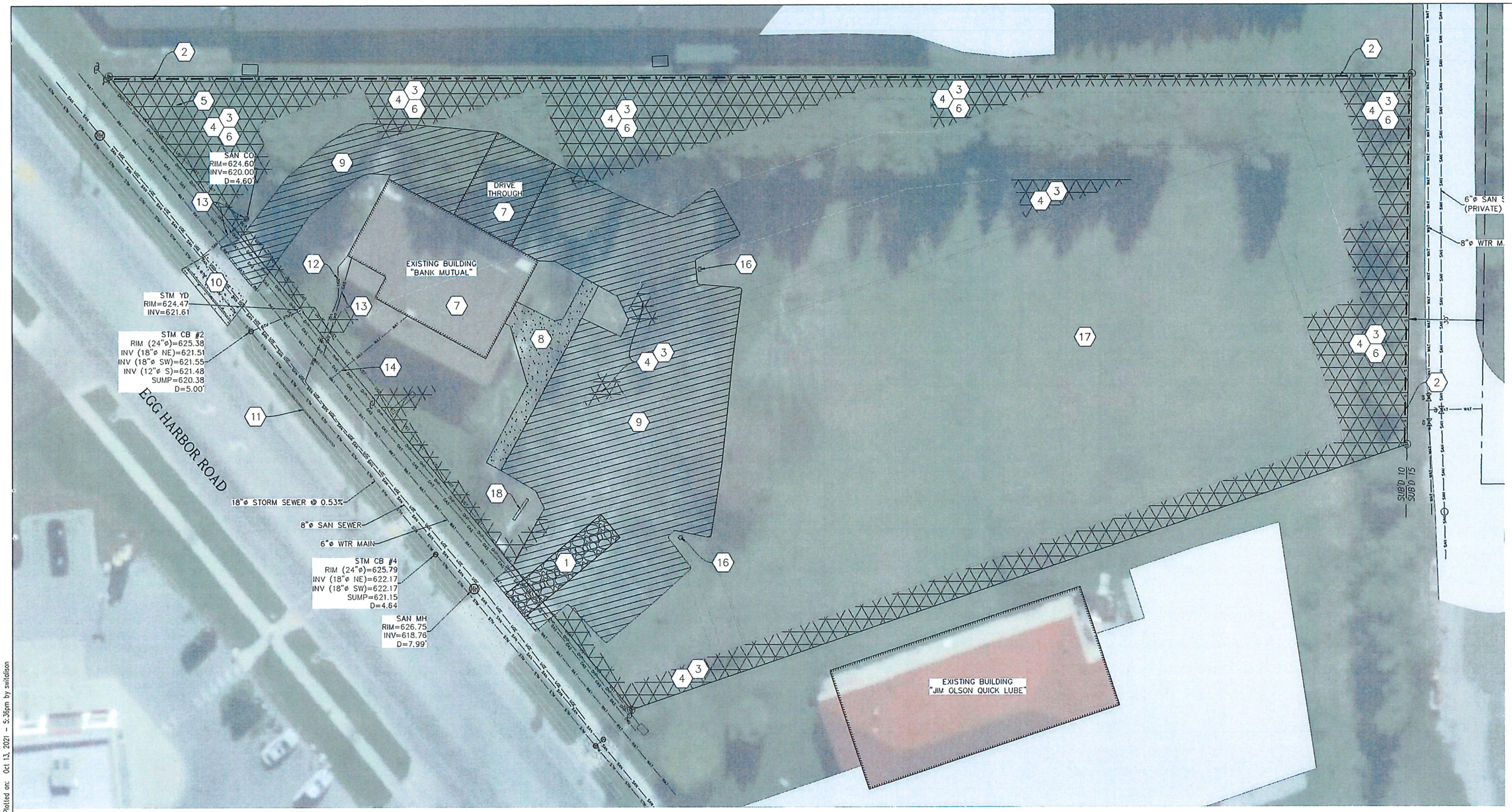


SHEET KEY NOTES (#)

SEE EROSION CONTROL NOTES SHEET C002

1. STONE TRACKING PAD; SEE WDNR STANDARD 1057 "TRACKOUT CONTROL PRACTICES"
2. SILT FENCE; SEE WDNR STANDARD 1056 "SILT FENCE"
3. EROSION CONTROL MAT; SEE WDNR STANDARD 1053 "CHANNEL EROSION MAT" AND 1052 "NON-CHANNEL EROSION MAT"
4. SEED & MULCH AREA OR HYDROSEED; SEE WDNR STANDARDS 1058 "MULCHING FOR CONSTRUCTION SITES" AND 1059 "SEEDING"
5. INLET PROTECTION; SEE WDNR STANDARD 1060 "...INLET PROTECTION..."
6. DRY POND AREA TO SERVE AS TEMPORARY SEDIMENT BASIN; SEE WDNR STANDARD 1064 "SEDIMENT BASIN"

SHEET KEY NOTES (#)

7. REMOVE BUILDING
8. REMOVE CONCRETE
9. REMOVE ASPHALT
10. REMOVE CONCRETE DRIVEWAY; REPAIR CURB HEAD OR REPLACE ENTIRE CURB AND GUTTER SECTION
11. SAW CUT CURB HEAD AND PREPARE FOR NEW DRIVEWAY CONNECTION; OR RECONSTRUCT ENTIRE CURB AND GUTTER SECTION
12. REMOVE UNDERGROUND ELECTRICAL (FIELD VERIFY LOCATION)
13. REMOVE UNDERGROUND GAS (FIELD VERIFY LOCATION)
14. REMOVE/PROPERLY ABANDON SANITARY CLEANOUT AND LATERAL STUB
15. REMOVE/PROPERLY ABANDON WATER SERVICE LATERAL (FIELD VERIFY LOCATION)
16. REMOVE LIGHTPOLE AND ASSOCIATED ELECTRICAL CONNECTIONS
17. STRIP/SALVAGE TOPSOIL AND PREPARE SUBGRADE FOR CONSTRUCTION ACTIVITIES
18. REMOVE SIGN AND ASSOCIATED ELECTRICAL CONNECTIONS

DRAWN BY: SGH
DESIGNED BY: PJH
DATE: 2021 OCT 13
JOB NUMBER: 24781

REVISION DATE:	DESCRIPTION

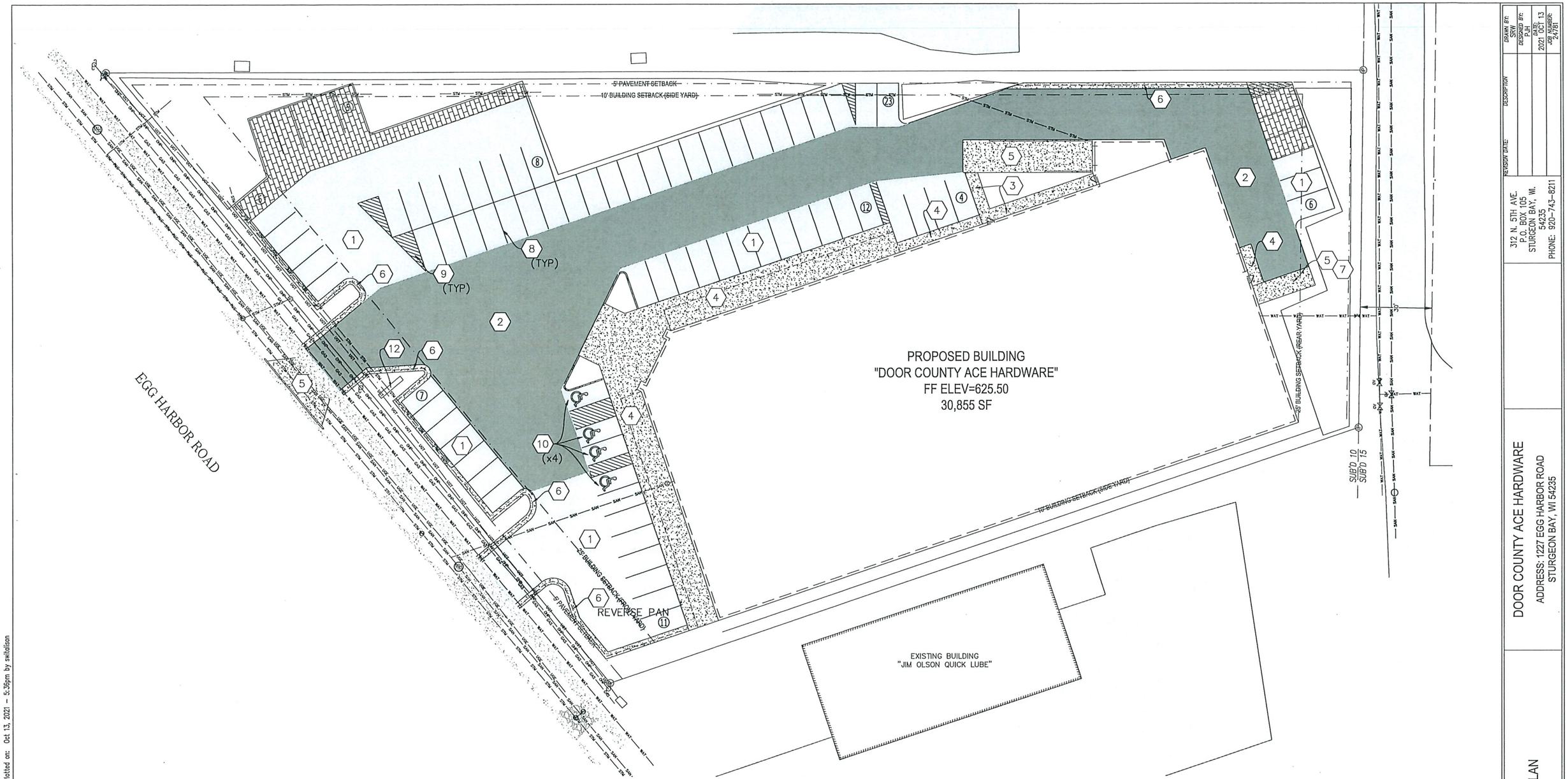
BAUDHUIN
SURVEYING & ENGINEERING
312 N. 5TH AVE.
P.O. BOX 105
STURGEON BAY, WI.
54235
PHONE: 920-743-8211

DOOR COUNTY ACE HARDWARE
ADDRESS: 1227 EGG HARBOR ROAD
STURGEON BAY, WI 54235

EXISTING CONDITIONS AND DEMOLITION PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

C100 | 3



SHEET KEY NOTES ⟨#⟩

1. ASPHALT PAVEMENT - STANDARD DUTY; SEE DETAIL A SHEET C500
2. ASPHALT PAVEMENT - HEAVY DUTY; SEE DETAIL B SHEET C500
3. CONCRETE SIDEWALK/PAVEMENT - 4" THICK; SEE DETAIL C SHEET C500
4. CONCRETE SIDEWALK/PAVEMENT WITH THICKENED EDGE - 4" THICK; SEE DETAIL D SHEET C500
5. CONCRETE SIDEWALK/PAVEMENT - 6" THICK; SEE DETAIL E SHEET C500
6. 30"-WIDE 4" SLOPED CONCRETE CURB AND GUTTER; SEE DETAIL F SHEET C500
7. REFUSE ENCLOSURE WITH FENCE/GATE; SEE ARCHITECTURAL DETAILS FOR FENCE TYPE/SPECIFICATION
8. PAINT STRIPE- 4" WIDE; COLOR BY OWNER PREFERENCE
9. PAINT STRIPE - HAZARD STRIPING AREA
10. ADA COMPLIANT PARKING STALL WITH SIGN, LOADING AREA AND PAVEMENT MARKING
11. PIPE BOLLARD - 6" Ø; SEE DETAIL G SHEET C500
12. MONUMENT SIGN 12'W x 4.5'H; SEE ARCHITECTURAL PLANS FOR DETAILS
13. PERMEABLE PAVERS; SEE DETAIL H SHEET C500
14. STORM WATER TREATMENT AREA

312 N. 5TH. AVE.
P.O. BOX 105
STURGEON BAY, WI.
54235
PHONE: 920-743-8211

REVISION DATE:	DESCRIPTION	DRAWN BY: DWH DESIGNED BY: PJH DATE: 2021 OCT 13 JOB NUMBER: 24781

DOOR COUNTY ACE HARDWARE
ADDRESS: 1227 EGG HARBOR ROAD
STURGEON BAY, WI 54235

SITE PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

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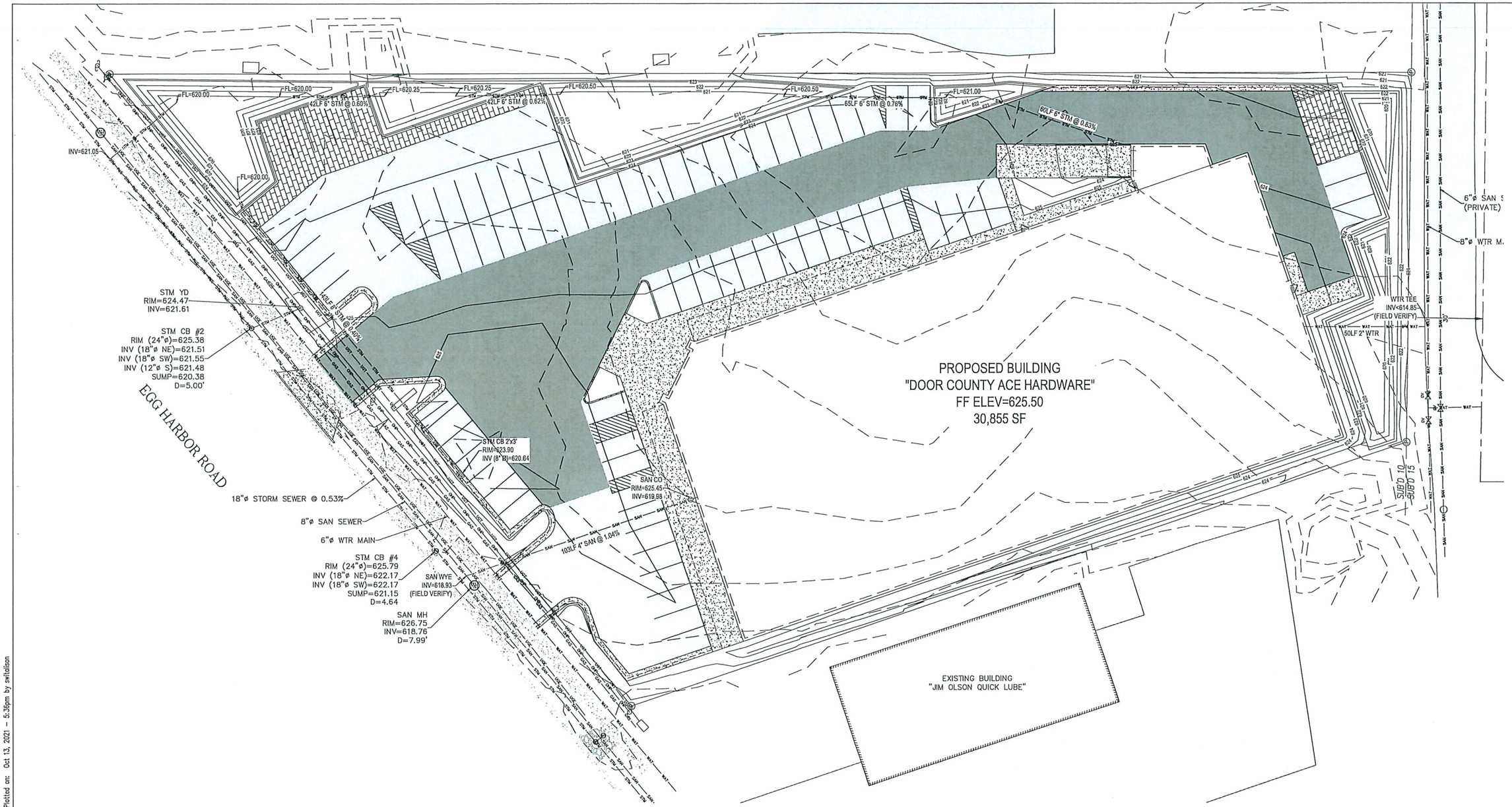

SHEET KEY NOTES (#)

1. UNDERGROUND GAS LINE; VERIFY WITH HVAC INSTALLER AND LP PROVIDER AS TO INSTALLATION LOCATION AND SPECIFICATIONS
2. LP STORAGE TANK; OWNER TO SPECIFY SIZE AND ABOVE GROUND OR BELOW GROUND INSTALLATION
3. UNDERGROUND ELECTRICAL; VERIFY WITH ELECTRICIAN AND LOCAL SERVICE UTILITY PROVIDER AS TO INSTALLATION LOCATION AND SPECIFICATIONS
4. CONNECT TO EXISTING SANITARY MAIN LINE; FIELD VERIFY LOCATION AND DEPTH
5. SANITARY CONNECTION TO BUILDING; VERIFY LOCATION WITH PLUMBING CONTRACTOR
6. SANITARY CLEANOUT; SEE DETAIL F SHEET C500
7. WATER CONNECTION/VALVE/CURB STOP - CONNECT TO EXISTING WATER SERVICE LINE; FIELD VERIFY LOCATION AND DEPTH; SEE DETAIL G SHEET C500
8. WATER CONNECTION TO BUILDING; VERIFY LOCATION, SIZE, METER, AND SHUT-OFF VALVE WITH PLUMBING CONTRACTOR
9. STORM OUTLET STRUCTURE; SEE DETAIL A SHEET C501
10. WET DETENTION POND; WITH DNR TYPE B LINER; SEE DETAIL A SHEET C501
11. INFILTRATION BASIN; SEE DETAIL B SHEET C501
12. !CAUTION! PRESSURIZED SANITARY FORCE MAIN; LOCATION APPROXIMATE; FIELD VERIFY LOCATION FOR ALL ADJACENT UTILITY INSTALLATIONS

UTILITY NOTES

- SANITARY SEWER SHALL BE CONSTRUCTED OF MATERIALS LISTED IN TABLE SPS 384.30-2
- SANITARY BUILDING SEWER BURIAL DEPTH = 5.0' MINIMUM TO TOP OF PIPE (ZONE B, SANDY LOAM) PER SPS 382.30
- WATER SUPPLY LINES 2" AND LESS SHALL BE COPPER. WATER SUPPLY LINES GREATER THAN 2" SHALL BE DUCTILE IRON
- WATER SUPPLY BURIAL DEPTH = 5.0' MINIMUM TO TOP OF PIPE (5.0' MINIMUM TO TOP OF PIPE (ZONE B, SANDY LOAM) PER SPS 382.30
- WATER AND SANITARY LINES MAY BE INSTALLED IN A COMMON TRENCH IF SEPARATED BY AT LEAST 24"

DRAWN BY: SWT
DESIGNED BY: PJH
DATE: 2021 OCT 13
JOB NUMBER: 24781

REVISION DATE: DESCRIPTION

BAUDHUIN SURVEYING & ENGINEERING
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P.O. BOX 105
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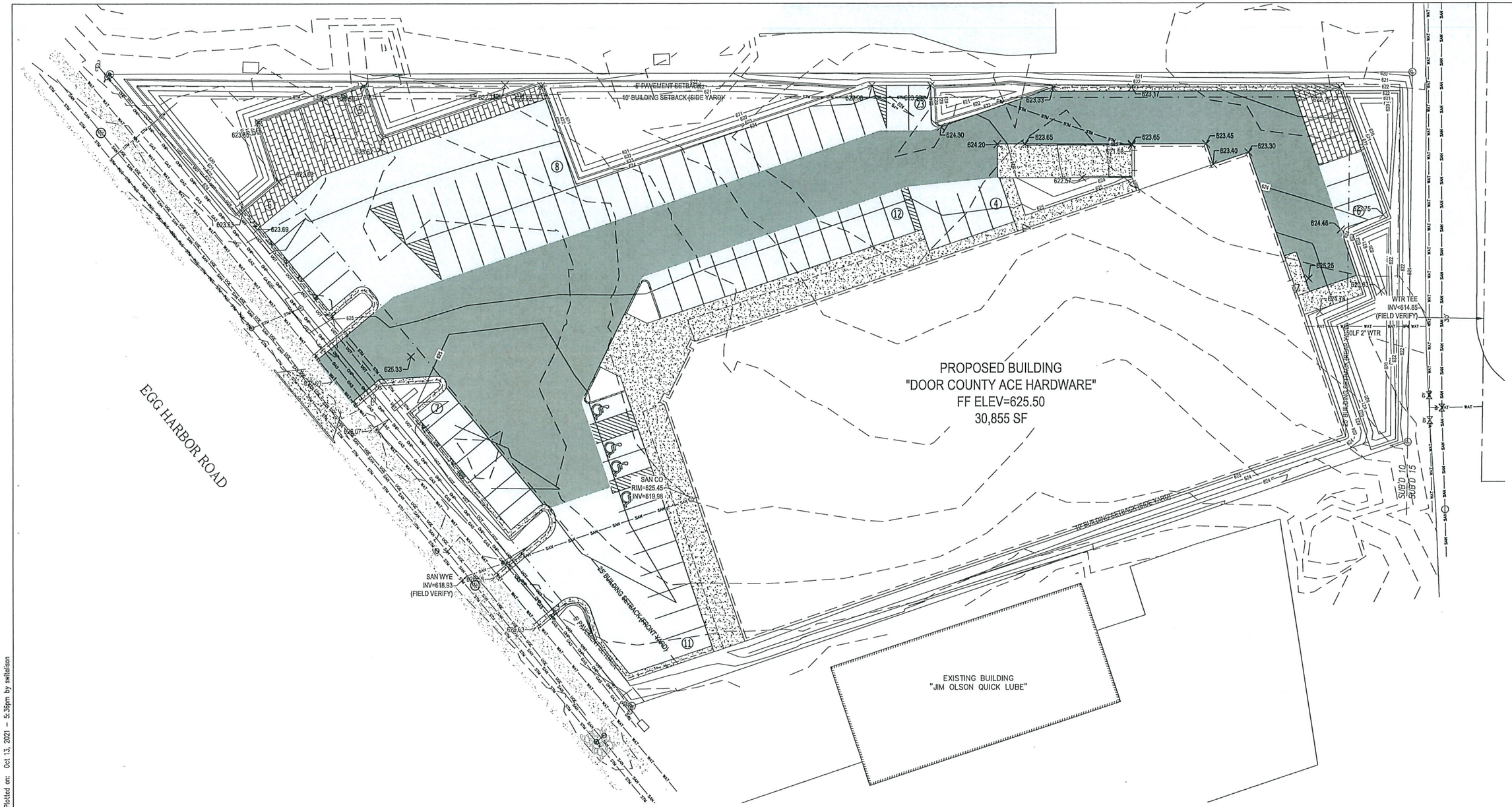
ADDRESS: 1227 EGG HARBOR ROAD
STURGEON BAY, WI 54235

UTILITY PLAN

PRELIMINARY NOT FOR CONSTRUCTION

C300 | 5 of 8



SHEET KEY NOTES ⟨#⟩

*FOR POINT ELEVATION KEY; SEE DETAIL A THIS SHEET

1. LIMITS OF GRADING/DISTURBANCE
2. CONTROL POINT
3. EMERGENCY STORM WATER OUTFLOW LOCATION
4. DRAINAGE SWALE CENTERLINE

321.45 (3.1')	FINISHED GRADE (ELEV DIFFERENCE TO EXISTING)
TOC:321.45 (3.1') FL:321.12	TOP OF CURB OR WALL (ELEV DIFFERENCE TO EXISTING) GUTTER OR PAVEMENT
×6321.45	EXISTING GRADE
(A)	POINT ELEVATION KEY

REVISION DATE:	DESCRIPTION

DRAWN BY: SWR
DESIGNED BY: PJH
DATE: 2021 OCT 13
JOB NUMBER: 24781

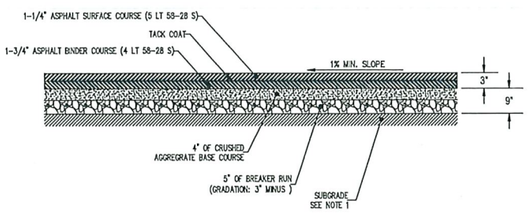
BAUDHUIN
SURVEYING & ENGINEERING
312 N. 5TH AVE.
P.O. BOX 105
STURGEON BAY, WI.
54235
PHONE: 920-743-8211

DOOR COUNTY ACE HARDWARE
ADDRESS: 1227 EGG HARBOR ROAD
STURGEON BAY, WI 54235

GRADING PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

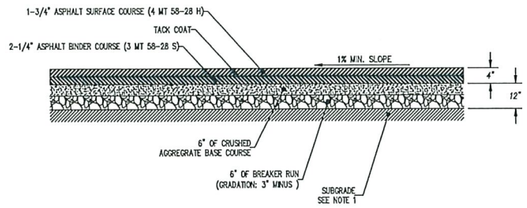
C400 | 6



NOTES
1. COMPACT SUBGRADE TO 95% STANDARD PROCTOR. SUBGRADE TO BE INSPECTED BY PROJECT FOREMAN PRIOR TO PLACEMENT OF AGGREGRATE BASE COURSE
2. IN AREAS OF REPAVEMENT, VERIFY OR UNDERCUT AND RE-ESTABLISH FULL SECTION OF STONE BASE COURSE AND BREAKER RUN

SPECIFICATIONS
- ASPHALT PAVEMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH WISCONSIN DOT FDM
- ASPHALT PAVING CONTRACTOR TO SAW CUT EXISTING ASPHALT EDGE PRIOR TO JOINING NEW PAVEMENT

Ⓐ N.T.S. ASPHALT PAVEMENT – STANDARD DUTY



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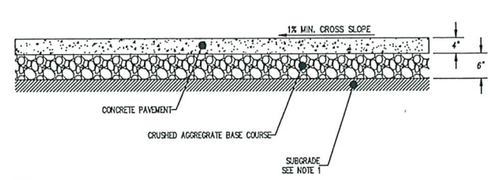
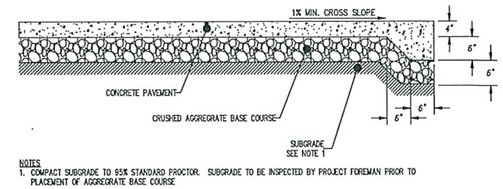
Ⓑ N.T.S. ASPHALT PAVEMENT – HEAVY DUTY



NOTES
1. COMPACT SUBGRADE TO 95% STANDARD PROCTOR. SUBGRADE TO BE INSPECTED BY PROJECT FOREMAN PRIOR TO PLACEMENT OF AGGREGRATE BASE COURSE

SPECIFICATIONS
- CONCRETE PAVEMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH WISCONSIN DOT FDM
- CONCRETE SHALL BE 4,000 PSI MINIMUM
- CONCRETE SHALL RECEIVE A BROOMED FINISH

Ⓒ N.T.S. CONCRETE SIDEWALK/PAVEMENT/SLAB – 4" THICKNESS



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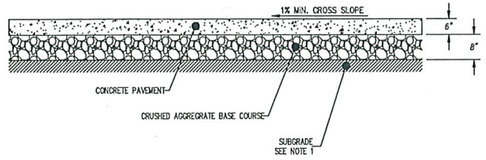
Ⓓ N.T.S. CONCRETE SIDEWALK WITH THICKENED EDGE – 4" THICKNESS



NOTES
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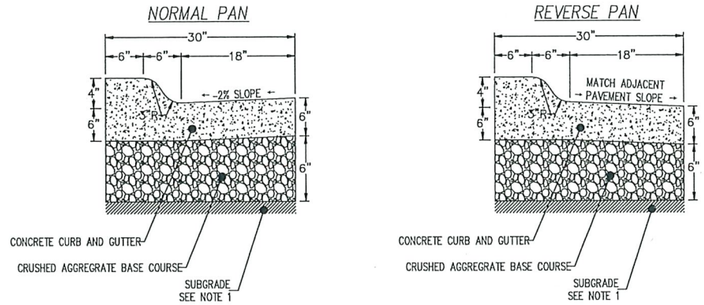
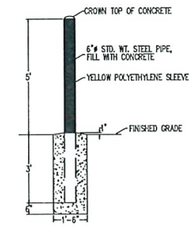


NOTES
1. COMPACT SUBGRADE TO 95% STANDARD PROCTOR. SUBGRADE TO BE INSPECTED BY PROJECT FOREMAN PRIOR TO PLACEMENT OF AGGREGRATE BASE COURSE
2. BEGINNING AND TERMINATION CONSTRUCTION: THE FINAL 18" SECTION OF CURB SHALL BE TAPERED TO MATCH INTO ADJACENT GRADE OR CURB-LINE.

SPECIFICATIONS
- CONCRETE CURB AND GUTTER CONSTRUCTION SHALL BE IN ACCORDANCE WITH WISCONSIN DOT FDM (SEE STANDARD DETAIL SDD 08D01-a)

Ⓕ N.T.S. 4" SLOPED CONCRETE CURB & GUTTER



Ⓖ N.T.S. PIPE BOLLARD

BAUDHUIN
SURVEYING & ENGINEERING
312 N. 5TH AVE.
P.O. BOX 105
STURGEON BAY, WI. 54235
PHONE: 920-743-8211

DRAWN BY: LSH
DESIGNED BY: PJH
DATE: 2021 OCT 13
JOB NUMBER: 21151

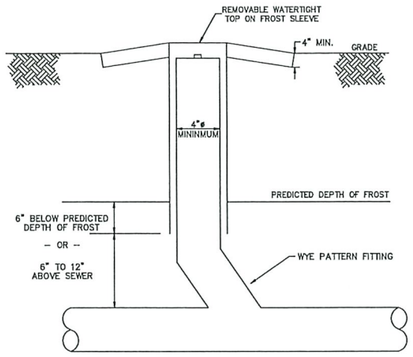
REVISION DATE: | DESCRIPTION:

DOOR COUNTY ACE HARDWARE
ADDRESS: 1227 EGG HARBOR ROAD
STURGEON BAY, WI 54235

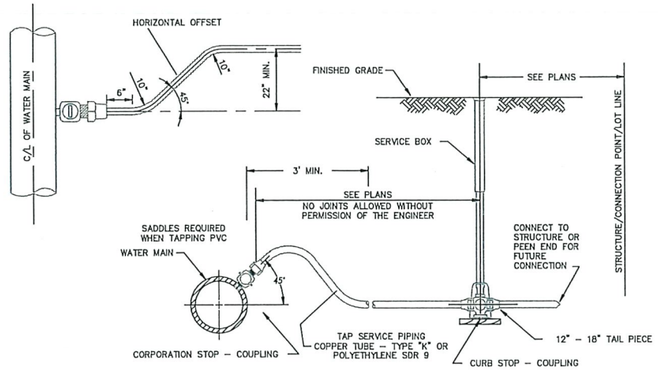
CONSTRUCTION DETAILS SITE

PRELIMINARY NOT FOR CONSTRUCTION

C500 | 7 of 8



A N.T.S.
CLEANOUT



SERVICE PIPE	CORP. STOP	CURB STOP	SERVICE BOX
1"	1"	1"	2-1/2"
1-1/4"	1-1/4"	1-1/4"	3"
1-1/2"	1-1/4" x 1-1/2"	1-1/2"	3"
2"	1-1/2" x 2"	2"	3"

* FOR A 2" SERVICE PIPE, CORPORATION STOP FOR A 6" WATER MAIN REQUIRES A TAPPING SLEEVE.

B N.T.S.
WATER CONNECTION/VALVE/CURB STOP

BAUDHUIN SURVEYING & ENGINEERING
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54235
PHONE: 920-743-8211

REVISION DATE:	DESCRIPTION	DRAWN BY: SWH
		DESIGNED BY: PJH
		DATE: OCT 13 2021
		JOB NUMBER: 24781

DOOR COUNTY ACE HARDWARE
ADDRESS: 1227 EGG HARBOR ROAD
STURGEON BAY, WI 54235

CONSTRUCTION DETAILS UTILITY

PRELIMINARY NOT FOR CONSTRUCTION

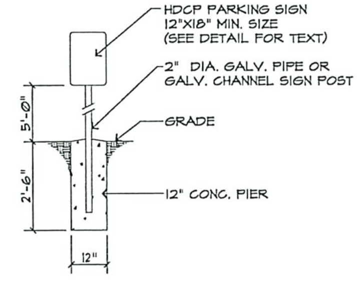
C501 | 8 of 8

ARCHITECTURAL ABBREVIATIONS

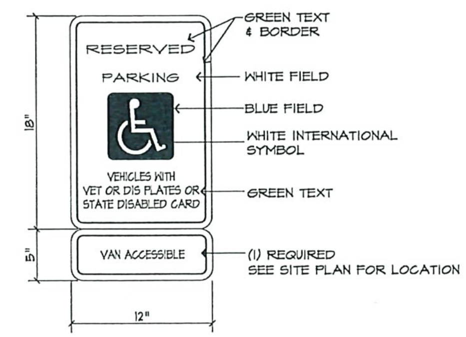
A	AB.	ANCHOR BOLT
	AC.FLR.	ACCESS FLOOR
	ACOUS.	ACOUSTIC
	ADA	AMERICANS WITH DISABILITIES ACT
	ADD.	ADDENDUM
	ADDL.	ADDITIONAL
	ADJ.	ADJUSTABLE
	ADJ.	ADJACENT
	ADMIN.	ADMINISTRATION
	A.F.F.	ABOVE FINISHED FLOOR
	AHU	AIR HANDLING UNIT
	ALT.	ALTERNATE
	ALUM.	ALUMINUM
	AMEND.	AMENDMENT
	ANNUN.	ANNUNCIATOR
	AP	ACCESS PANEL
	APPROX.	APPROXIMATE
	ARCH.	ARCHITECTURAL
	ATC	ACOUSTIC TILE CEILING
	AUTO.	AUTOMATIC
B	BUL.BD.	BULLETIN BOARD
	BD.	BOARD
	BG	BUMPER GUARD
	BIT.	BITUMINOUS
	BKT.	BRACKET
	BLDG.	BUILDING
	BLKG.	BLOCKING
	BM.	BEAM
	BOT.	BOTTOM
	BRG.	BEARING
	BSMT.	BASEMENT
	BUL.	BULLETIN
C	CAB.	CABINET
	CCTV	CLOSED CIRCUIT TELEVISION
	CD	COILING DOOR
	CEIL.	CEILING
	CG	CORNER GUARD
	CH	COAT HOOK
	C.J.	CONSTRUCTION JOINT
	CLG.	CEILING
	CLR.	CLEAR
	CM	CONSTRUCTION MANAGER
	CMU	CONCRETE MASONRY UNITS
	CO	CLEAN-OUT
	COL.	COLUMN
	COMB.	COMBINATION
	CONC.	CONCRETE
	CONF.	CONFERENCE
	CONN.	CONNECTION
	CONST.	CONSTRUCTION
	CONT.	CONTINUOUS
	CONTR.	CONTRACTOR
	COORD.	COORDINATE
	CORR.	CORRIDOR
	CPT.	CARPET
	CT	CERAMIC TILE
	CTR.	CENTER
	CTSK.	COUNTERSINK
	CUH	CABINET UNIT HEATER
	CW	COLD WATER
	CYL.	CYLINDER
D	DEMO.	DEMOLITION
	DEPR.	DEPRESSION
	DEPT.	DEPARTMENT
	DTLS.	DETAILS
	DF	DRINKING FOUNTAIN
	DIA.	DIAMETER
	DIAG.	DIAGONAL
	DIFF.	DIFFUSER
	DIM.	DIMENSION
	DISP.	DISPENSER
	DIST.	DISTRIBUTION
	DIV.	DIVISION
	DN	DOWN
	DP.	DEEP
	DR.	DOOR
	DR.	DRIVE
	DS	DOWNSPOUT
	DW	DISHWASHER
	DWG.	DRAWING
	DWLS.	DOWELS
E	E	ELECTRIC
	EA	EXHAUST-AIR
	EA.	EACH
	EC	ELECTRICAL CABINET
	EF	EXHAUST FAN
	EL.	ELEVATOR
	ELEC.	ELECTRICAL
	ELEV.	ELEVATION
	EMERG.	EMERGENCY
	ENCL.	ENCLOSURE
	ENTR.	ENTRANCE
	EO	ELECTRICAL OUTLET
	EP	ELECTRIC PANEL
	EQ.	EQUAL
	EQUIP.	EQUIPMENT
	EWC	ELECTRIC WATER COOLER
	EX.	EXISTING
	EXC.	EXCAVATE
	EXH.	EXHAUST
	EXIST.	EXISTING
	EXP.	EXPANSION
	EXT.	EXTERIOR
F	FA	FIRE ALARM
	FB	FIRE BLANKET
	FD	FIRE DAMPER
	FD	FLOOR DRAIN
	FDN.	FOUNDATION
	FE	FIRE EXTINGUISHER
	FEC	FIRE EXTINGUISHER CABINET
	FH	FIRE HOSE
	FHC	FIRE HOSE CABINET
	FIN.	FINISH
	FIXT.	FIXTURE
	FLR.	FLOOR
	FLASH.	FLASHING
	FLEX.	FLEXIBLE
	FLG.	FLANGE
	FLUOR.	FLUORESCENT
	FM	FACTORY MUTUAL
	FP	FIREPROOF
	FRMG.	FRAMING
	FS	FLOOR SINK
	FT.	FOOT/FEET
	FTG.	FOOTING
	FTN.	FOUNTAIN
	FUT.	FUTURE
G	G	GAS
	GA.	GAUGE
	GALV.	GALVANIZED
	GB	GRAB BAR
	GBC	GENERAL BUILDING CONTRACTOR
	GEN.	GENERAL
	GENER.	GENERATOR
	GL.	GLASS
	GR.	GRADE
	GYP.	GYPSUM
H	H.	HIGH
	HB	HOSE BIBB
	HD	HAND DRYER
	HDCP.	HANDICAP
	HDR.	HEADER
	HDWD.	HARDWOOD
	HDWR.	HARDWARE
	HGT.	HEIGHT
	HM	HOLLOW METAL
	HORIZ.	HORIZONTAL
	HTR.	HEATER
	HVAC	HEATING VENTILATING AIR-CONDITIONING
	HW	HOT WATER
I	I.D.	INSIDE DIAMETER
	IN.	INCH
	INSUL.	INSULATION
	INT.	INTERIOR
	ISO.	ISOLATION
J	JAN.	JANITOR
	JB	JUNCTION BOX
	JST.	JOIST
	JT.	JOINT
K	KO	KNOCK OUT
	KS	KNEE SPACE
	KW	KILOWATT
L	L.	LAVATORY
	LAM.	LAMINATE
	LAV.	LAVATORY
	LB.	POUND
	LIN.	LINEAR
	LKR.	LOCKER
	LL	LEAD LINED
	LLH	LONG LEG HORIZONTAL
	LLV	LONG LEG VERTICAL
	LP	LIGHT POLE
	LVR.	LOUVER
M	MAN.	MANUAL
	MATL.	MATERIAL
	MAX.	MAXIMUM
	MECH.	MECHANICAL
	MEMB.	MEMBRANE
	MTL.	METAL
	MEZZ.	MEZZANINE
	MFG.	MANUFACTURING
	MFR.	MANUFACTURER
	MH	MANHOLE
	MIN.	MINIMUM
	MIR.	MIRROR
	MISC.	MISCELLANEOUS
	M.O.	MASONRY OPENING
	MTD.	MOUNTED
N	N/A	NOT APPLICABLE
	NEC	NATIONAL ELECTRIC CODE
	NIC	NOT IN CONTRACT
	NO.	NUMBER
	NOM.	NOMINAL
	NRC	NOISR REDUCTION COEFFICIENT
	NTS	NOT TO SCALE
O	O.C.	ON CENTER
	O.D.	OUTSIDE DIAMETER
	OFF.	OFFICE
	OH.	OVERHEAD
	OPER.	OPERATOR
	OPNG.	OPENING
	OPP.	OPPOSITE
	ORD	OVERFLOW ROOF DRAIN
P	PART.	PARTITION
	PB	PASS BOX
	PC	PRECAST
	PD	PENCIL DRAWER
	PH	PANIC HARDWARE
	PL.	PLATE
	PLAM.	PLASTIC LAMINATE
	PLAS.	PLASTIC
	PLAST.	PLASTER
	PLMB.	PLUMBING
	PLWD.	PLYWOOD
	PNL.	PANEL
	PR.	PAIR
	PRELIM.	PRELIMINARY
	PRV	POWER ROOF VENTILATOR
	PTN.	PARTITION
	PVC	POLYVINYL CHLORIDE
Q	QT	QUARRY TILE
R	R	RADIUS
	R.	RISER
	RA	RETURN-AIR
	RD	ROOF DRAIN
	REBAR	REINFORCING ROD
	REC.	RECESSED
	REF.	REFERENCE
	REFRIG.	REFRIGERATOR
	REINF.	REINFORCING
	REQD.	REQUIRED
	RET.	RETAINING
	REV.	REVISION
	RH	ROOF HATCH
	RM.	ROOM
	RO	ROUGH OPENING
	R&S	ROD AND SHELF
S	S.	SINK
	SCHED.	SCHEDULE
	SD	SMOKE DAMPER
	SECT.	SECTION
	SF	SQUARE FOOT/FEET
	SH.	SHELF
	SHR.	SHOWER
	SHT.	SHEET
	SHTG.	SHEATHING
	SIM.	SIMILAR
	SPEC.	SPECIFICATION
	SQ.	SQUARE
	SS	STAINLESS STEEL
	SS	STORM SEWER
	ST.	STAINLESS
	ST.	STREET
	STD.	STANDARD
	STL.	STEEL
	STOR.	STORAGE
	STRUCT.	STRUCTURAL
	STWD.	SOFTWOOD
	SUPV.	SUPERVISOR
	SUSP.	SUSPENDED
	SW.	SWITCH
T	T	TOILET
	T.	TREAD
	TAN.	TANGENT
	TC	TIME CLOCK
	TEL.	TELEPHONE
	TEMP.	TEMPERED
	TEMP.	TEMPERATURE
	TERR.	TERRAZZO
	T&G	TONGUE AND GROOVE
	THRES.	THRESHOLD
	TLT.	TOILET
	TRANS.	TRANSFORMER
	TS	TUBE STEEL
	TV	TELEVISION
	TYP.	TYPICAL
U	UC	UNDERCUT
	UCR	UNDERCOUNTER REFRIGERATOR
	UL	UNDERWRITERS LABORATORIES
	UNFIN.	UNFINISHED
	UNO	UNLESS NOTED OTHERWISE
	UR.	URINAL
	UTIL.	UTILITY
V	V	VENT
	VCT	VINYL COMPOSITION TILE
	VENT.	VENTILATION
	VERT.	VERTICAL
	VEST.	VESTIBULE
	VNL.	VINYL
	VTR	VENT THROUGH ROOF
	VWC	VINYL WALL COVERING
W	W.	WIDE
	W/	WITH
	W/O	WITHOUT
	WC	WATER CLOSET
	WD.	WOOD
	WDW.	WINDOW
	WF	WIDE FLANGE
	WGT.	WEIGHT
	W.H.	WATER HEATER
	WHCR.	WHEELCHAIR
	WP	WATERPROOF
	WS	WEATHERSTRIP
	WSCT.	WAINSCOT
	W.W.F.	WELDED WIRE MESH
X	XFMR.	TRANSFORMER
Y	YD.	YARD
	<	ANGLE
	@	AT
	CL	CENTER LINE
	[	CHANNEL

INTERNATIONAL SYMBOL OF ACCESSIBILITY

IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO INSTALL (WHERE SHOWN HEREON), BARRIER FREE PARKING SIGNS IN CONFORMITY TO WISCONSIN ADMINISTRATIVE CODE: TRANS #200.07



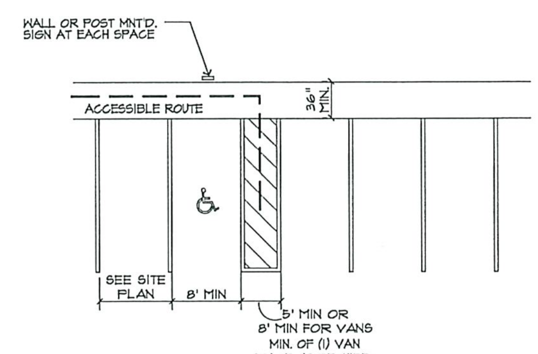
SIGN POST DETAIL



PARKING SIGN DETAIL

HANDICAPPED PARKING SIGN DETAILS

NOT TO SCALE

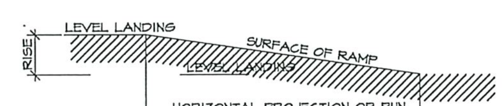


HANDICAPPED PARKING SPACES

THE MAXIMUM SLOPE AT PARKING SPACES IS 1:50 (4.6.2)

405.1 GENERAL.
ANY PART OF AN ACCESSIBLE ROUTE WITH A SLOPE GREATER THAN 1:20 SHALL BE CONSIDERED A RAMP AND SHALL COMPLY WITH 405.

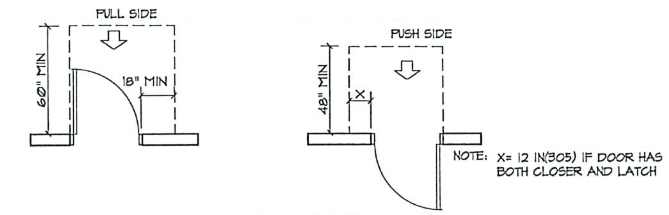
SLOPE AND RISE.
THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12. THE MAXIMUM RISE FOR ANY RUN SHALL BE 30 IN.(760MM) (SEE FIG. 16). CURB RAMPS AND RAMPS TO BE CONSTRUCTED ON EXISTING SITES OR IN EXISTING BUILDINGS OF FACILITIES MUST HAVE SLOPES AND RISES AS ALLOWED IN 405.2 IF SPACE LIMITATIONS PROHIBIT THE USE OF A 1:12 SLOPE OR LESS.



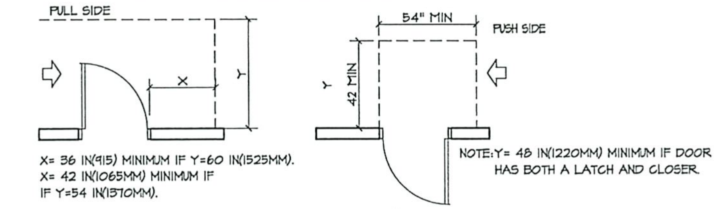
SLOPE	MAXIMUM RISE IN.	MAXIMUM HORIZONTAL PROJECTION FT.
1:12 TO 1:16	30	30
1:16 TO 1:20	30	40

SINGLE RAMP RUN

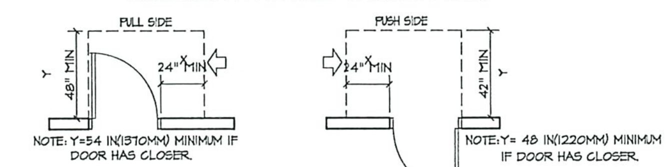
NO SCALE



FRONT APPROACHES- SWINGING DOORS



HINGE SIDE APPROACHES- SWINGING DOORS

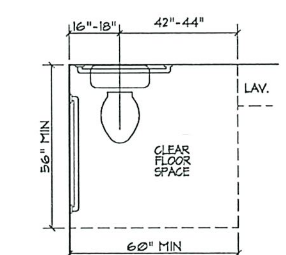


LATCH SIDE APPROACHES- SWINGING DOORS

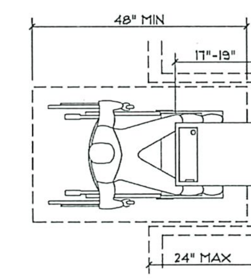
NOTE: ALL DOORS IN ALCOVES SHALL COMPLY WITH THE CLEARANCE FOR FRONT APPROACHES

MANEUVERING CLEARANCES AT DOORS

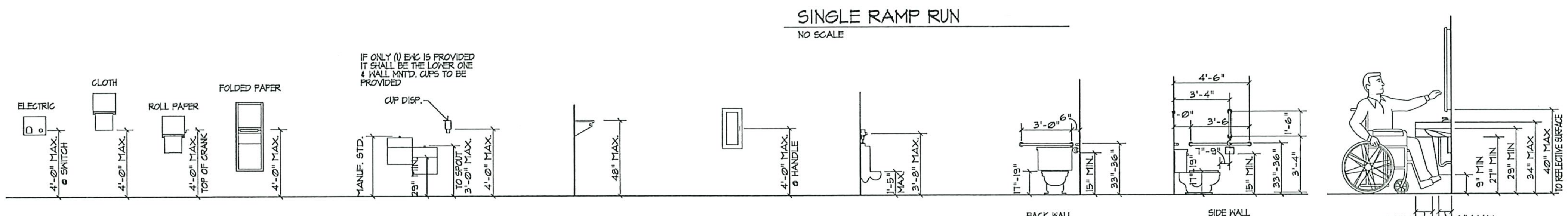
NO SCALE



CLEAR FLOOR SPACE AT WATER CLOSET



CLEAR FLOOR SPACE



HAND DRYERS

ELECTRIC WATER COOLER

SHELF & POLE

FIRE EXTINGUISHER CABINET

WALL MNT'D. URINAL
(SIDE VIEW)

GRAB BARS AT WATER CLOSETS

LAVATORY CLEARANCES

TOILET & BUILDING ACCESSORY MOUNTING HEIGHTS & CLEARANCES

NOT TO SCALE

SMET CONSTRUCTION SERVICES
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(920) 532-3828
FAX (920) 532-3831
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WWW.SMET.COM
SMET CONSTRUCTION SERVICES CORP. • DESIGN/BUILD/FINANCE
CORPORATE OFFICE
2080 PROFIT PLACE
DEPERE, WI 54115

REVISIONS:

FISHER & ASSOCIATES, LLC
Architects / Planners
W13654 BALSAM LAKE DRIVE CRIVITZ, WI
Ph.(920) 532-4199
rfisher@fisherandassociatesllc.com

PROJECT INFO:

PROPOSED NEW STORE FOR:

ACE Hardware

1225 Egg Harbor Drive
City of Sturgeon Bay

DRAWN BY:	SALES:
RJF	Joel
SMET NO.:	SHEET:
.	G1.1
ARCHT. NO.:	
21043	
DATE:	
6/25/21	

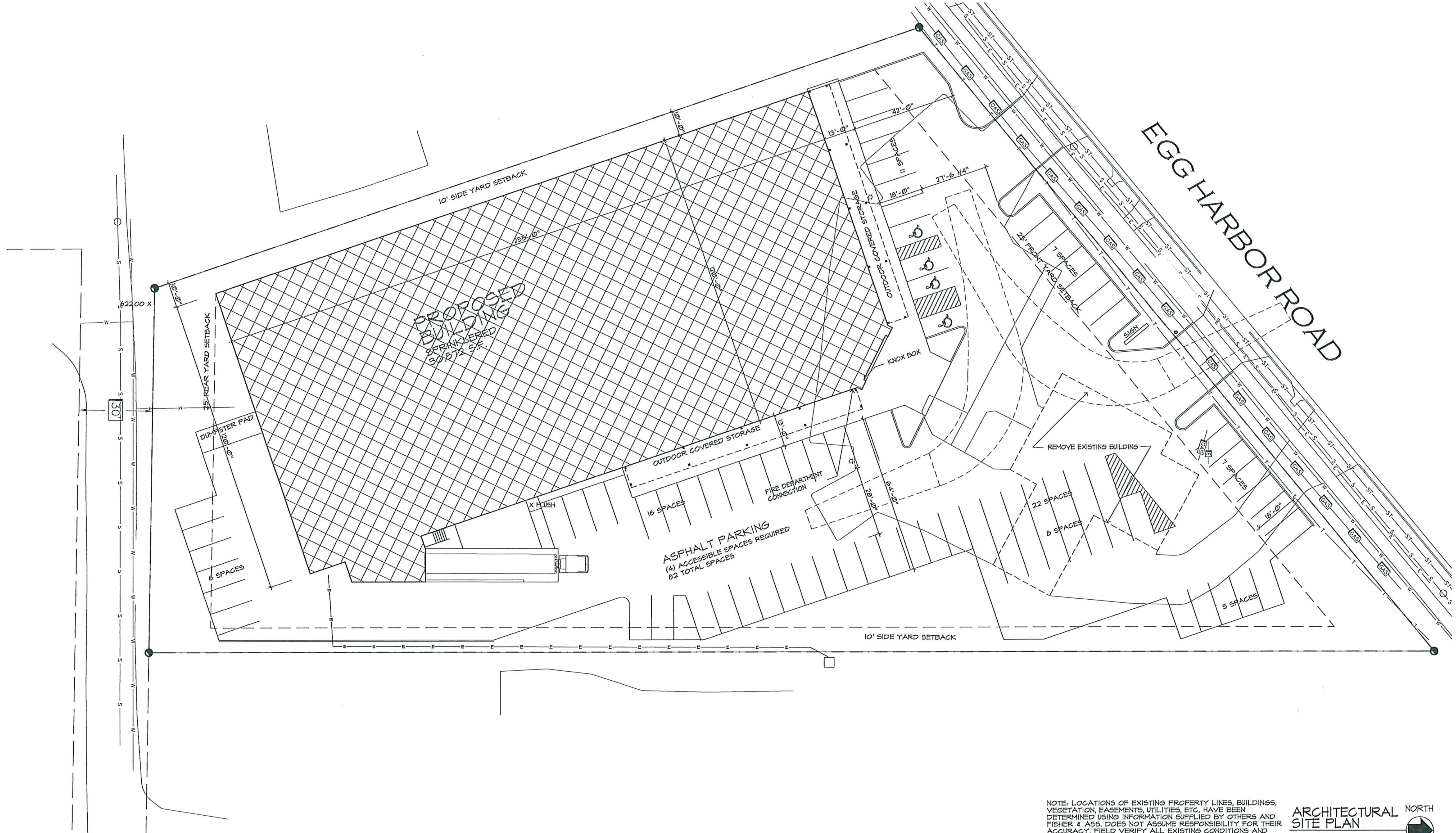
RELEASE #1 10/13/21

PARKING

The gross floor area of this store used for merchandising and storage is 21000 s.f. the remainder is customer service and dedicated storage. All stock of all merchandize is displayed/ stored on the sales floor including all furnishings and appliances of the 21,000 s.f. approximately 60% is retail and 40% is furnishings and storage
21000 x .6 = 12,600 / 200 = 63 spaces
21000 x .4 = 8400 /500 = 17 spaces

LANDSCAPING

PARKING LOT LANDSCAPING
1 TREE PER 6 PARKING SPACES WITHIN 10' OF PARKING SURFACE
80 SPACE /6 = 14 TREES REQUIRED



NOTE: LOCATIONS OF EXISTING PROPERTY LINES, BUILDINGS, VEGETATION, EASEMENTS, UTILITIES, ETC. HAVE BEEN DETERMINED USING INFORMATION SUPPLIED BY OTHERS AND FISHER & ASS. DOES NOT ASSUME RESPONSIBILITY FOR THEIR ACCURACY. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS INDICATED ON THESE DRAWINGS PRIOR TO STARTING WORK.

ARCHITECTURAL SITE PLAN
1" = 20'-0"
NORTH

RELEASE #1 10/13/21

PROJECT INFO:
PROPOSED NEW STORE FOR:
ACE Hardware
1225 Egg Harbor Drive
City of Sturgeon Bay

FISHER & ASSOCIATES, LLC
Architects / Planners

REVISIONS:

SMET CONSTRUCTION SERVICES
OUR REPUTATION IS BUILDING
CORPORATE OFFICE
2080 PROFIT PLACE
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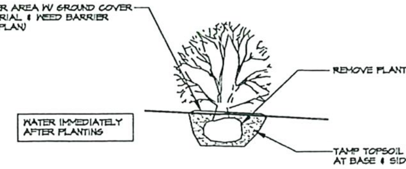
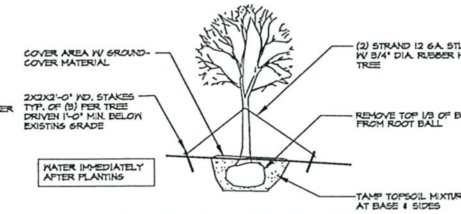
DRAWN BY:	SALES:
RJF	Joel
SMET NO.:	SHEET:
ARCHT. NO.: 21043	CA1.0
DATE: 6/25/21	



SHRUB/TREE PLANTING DETAIL



TREE PLANTING DETAIL

LANDSCAPE TREE SCHEDULE

	DESCRIPTION	QTY.	SIZE	PTS.	REMARKS
	American Linden	7	2" DIA.		
	Green Mountain Sugar Maple	3	2" DIA.		
	Thornless Imperial Honey Locust	4	2" DIA.		
	TOTAL	14			

NOTES

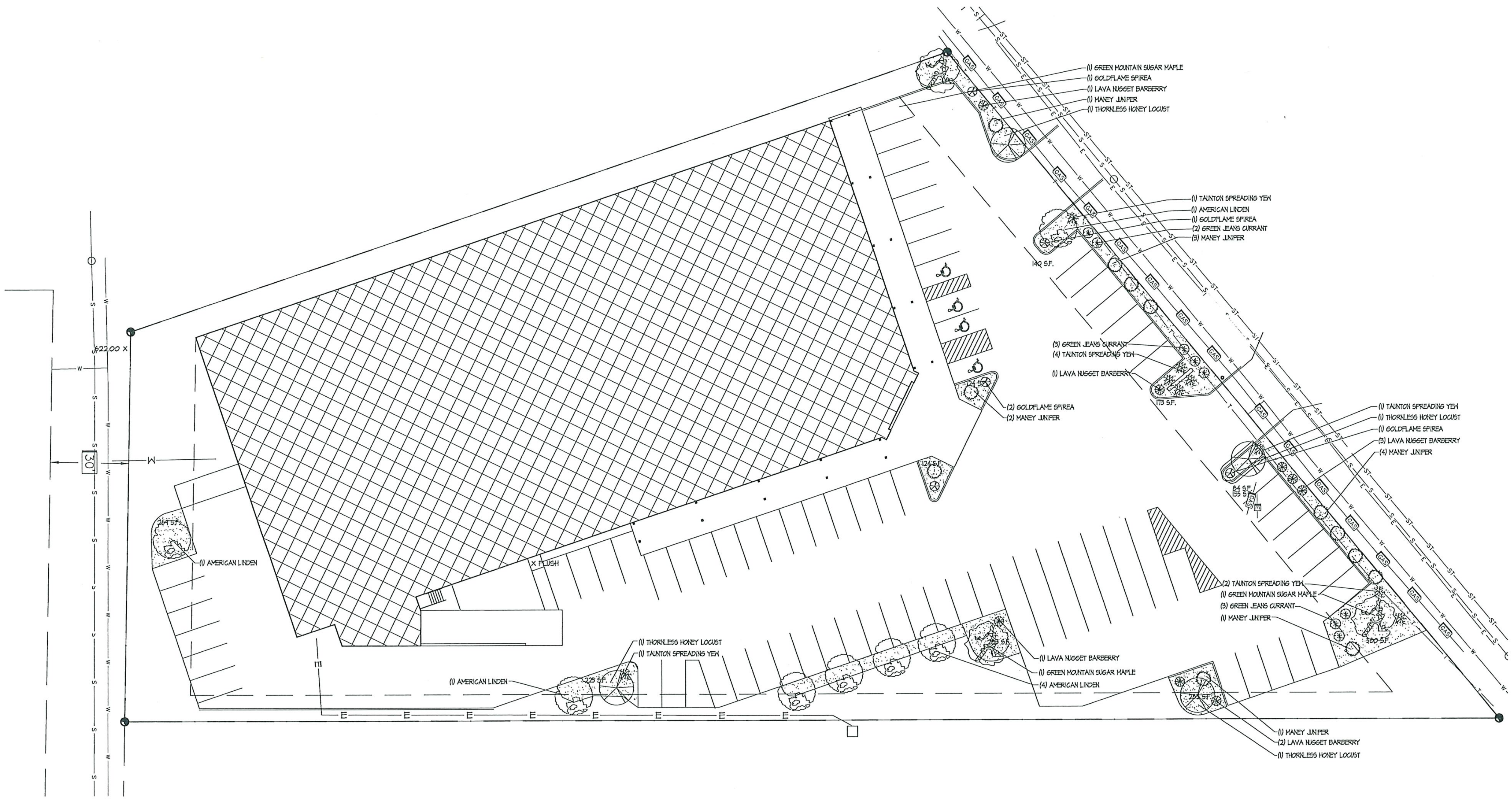
1. REPAIR AND RESEED ALL DISTURBED AREAS
2. PROVIDE GROUND COVER AROUND NEW TREES
3. ALL PLANTING AREAS TO HAVE PLASTIC EDGING WHERE NEEDED AND WEED BARRIER AND COVERED W/ MISSISSIPPI LARGE PEBBLE LANDSCAPE STONE

LANDSCAPE SHRUB SCHEDULE

	DESCRIPTION	QTY.	SIZE	PTS.	REMARKS
	Lava Nugget Barberry	8	5 GAL MIN.		
	Goldflame Spirea	5	5 GAL MIN.		
	Green Jeans Alpine Currant	8	5 GAL MIN.		
	Maney Juniper	12	5 GAL MIN.		
	Taunton Spreading Yew	9	5 GAL MIN.		
	TOTAL	39			

INTERIOR GREEN SPACE CALCULATION

PARKING AREA 30,666 + 3090 = 33,756 X .05 =1687
2424 S.F. PROVIDED



PRELIMINARY LANDSCAPE PLAN
1" = 20'-0"
NORTH

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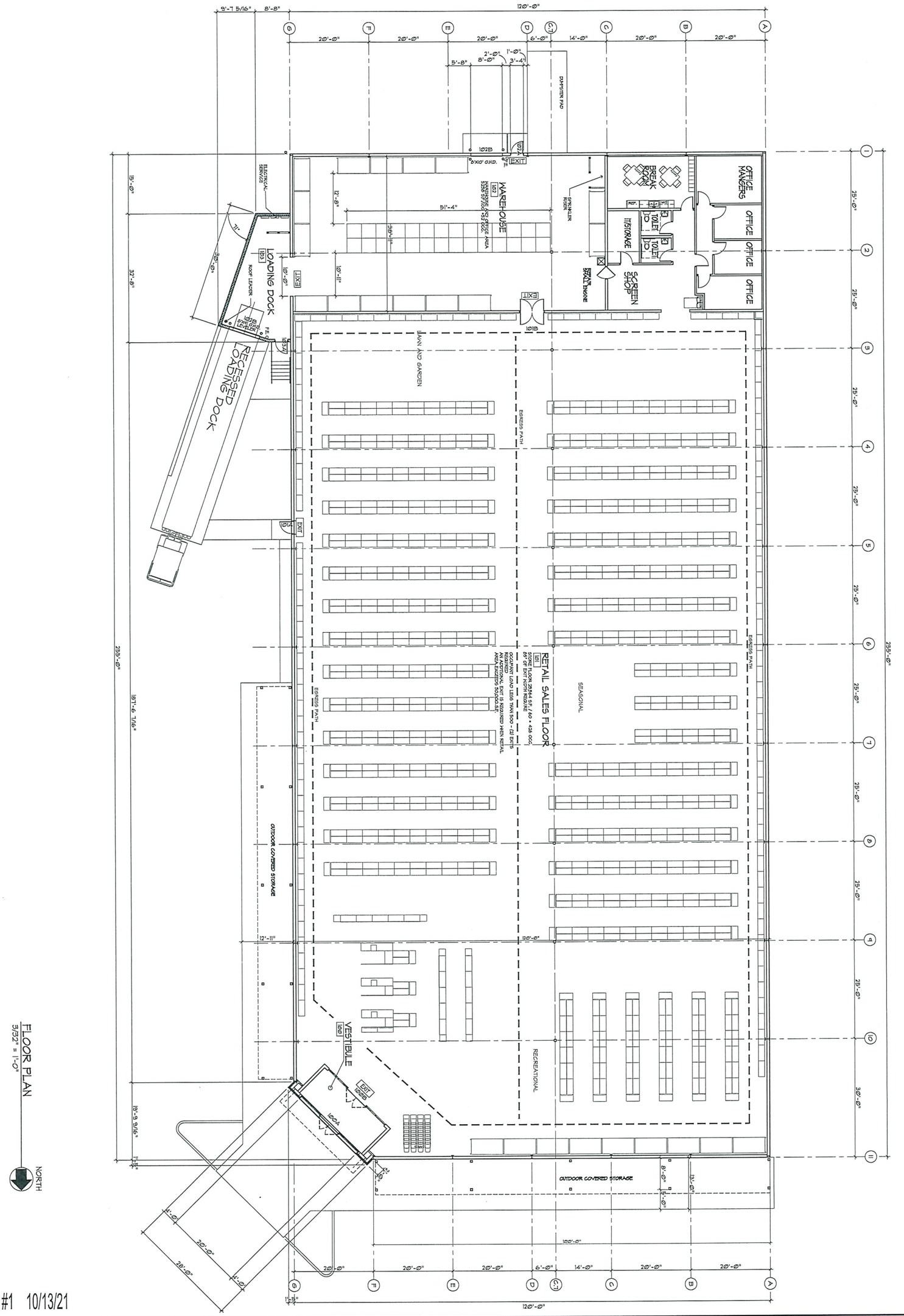
ACE Hardware
1225 Egg Harbor Drive
City of Sturgeon Bay

DRAWN BY:	SALES:
RJF	Joel
SMET NO.: .	SBBEET:
ARCHT. NO.: 21043	CA1.0
DATE: 6/25/21	

RELEASE #1 10/13/21



FLOOR PLAN
3/32" = 1'-0"

NORTH

RELEASE #1 10/13/21

DRAWN BY:	RJF
SMET NO.:	21043
ARCHT. NO.:	
DATE:	6/25/21
SALES:	Joel

A1.1

PROJECT INFO:

PROPOSED NEW STORE FOR:

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1225 Egg Harbor Drive
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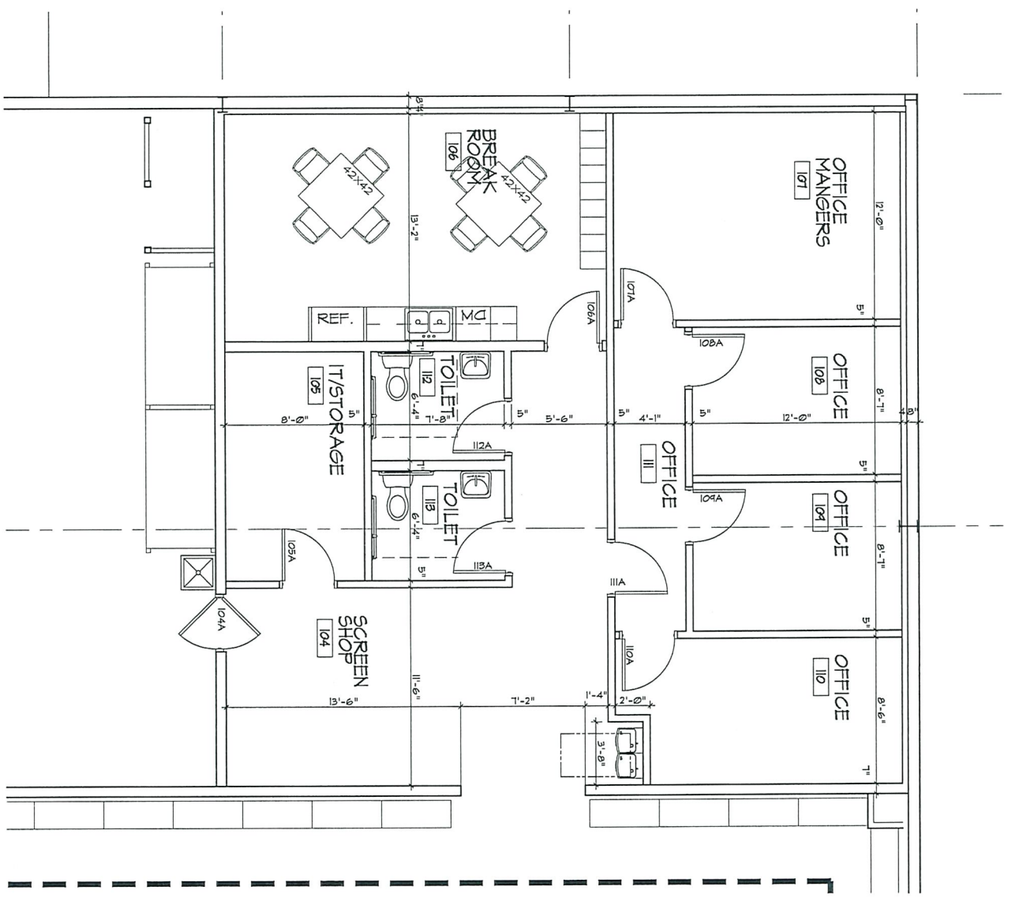

ENLARGED FLOOR PLAN
1/8" = 1'-0"

NORTH

RELEASE #1 10/13/21

PROJECT INFO:

PROPOSED NEW STORE FOR:

ACE Hardware

1225 Egg Harbor Drive
City of Sturgeon Bay

FISHER & ASSOCIATES, LLC
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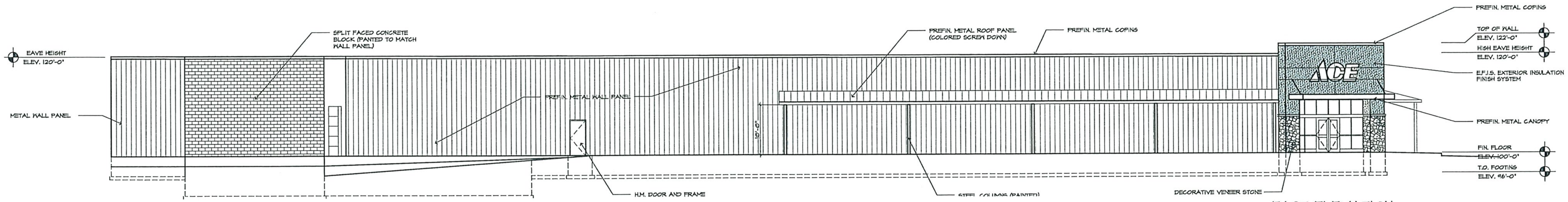
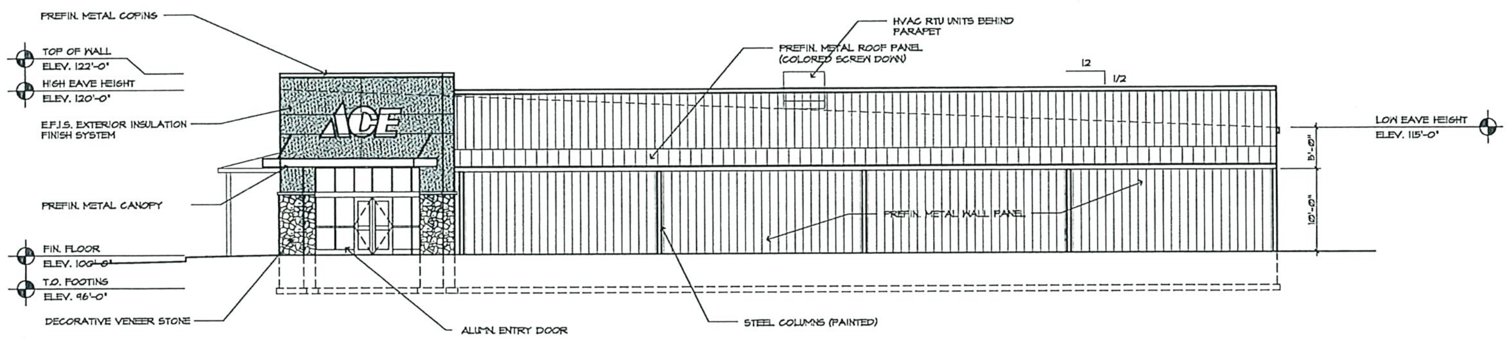
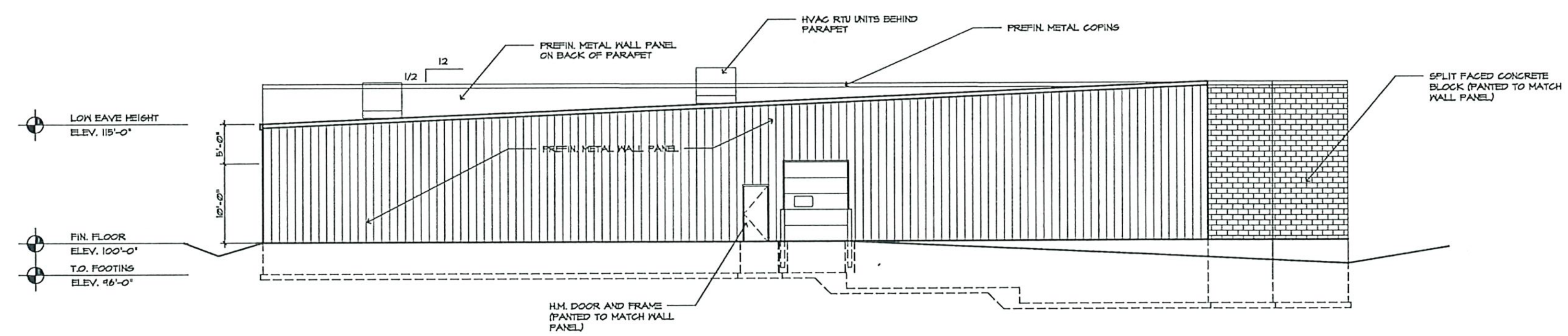
DRAWN BY: RJF
SMET NO.:
ARCHIT. NO.: 21043
DATE: 6/25/21
SALES:
SHEET: 3of4
A1.2



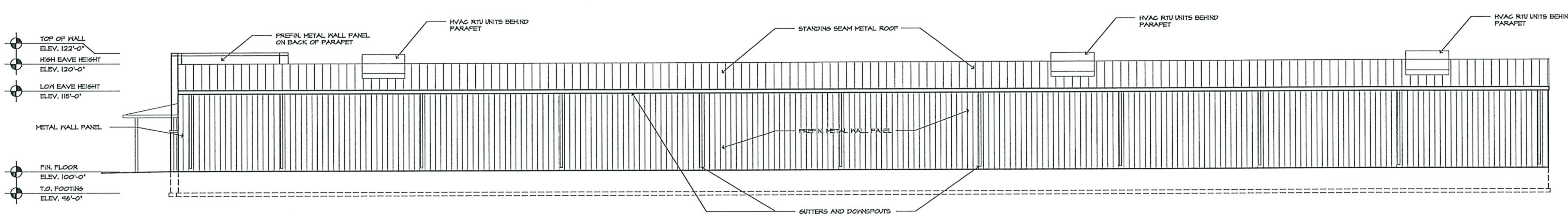
EAST ELEVATION
3/32" = 1'-0"



NORTH ELEVATION
3/32" = 1'-0"



SOUTH ELEVATION
3/32" = 1'-0"



WEST ELEVATION
3/32" = 1'-0"

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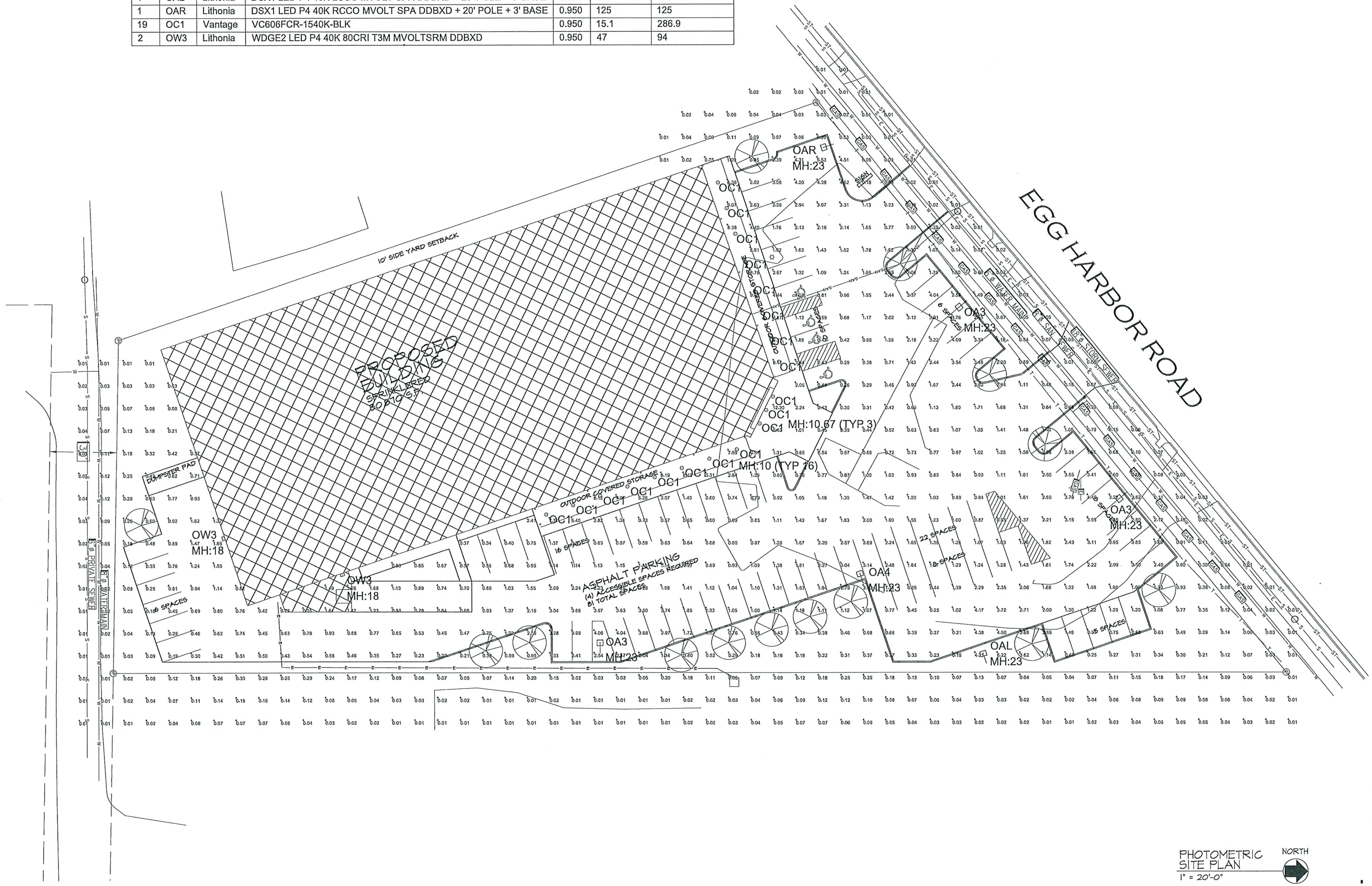
City of Sturgeon Bay

DRAWN BY: RJF	SALES: Joel
SMET NO.:	SHEET: A3.1
ARCHT. NO.: 21043	
DATE: 6/25/21	

Luminaire Schedule						
QTY	TYPE	MFR	PART NUMBER	LLF	Lum. Watts	Total Watts
3	OA3	Lithonia	DSX1 LED P4 40K BLC MVOLT SPA DDBXD + 20' POLE + 3' BASE	0.950	125	375
1	OA4	Lithonia	DSX1 LED P4 40K T4M MVOLT SPA DDBXD + 20' POLE + 3' BASE	0.950	125	125
1	OAL	Lithonia	DSX1 LED P4 40K LCCO MVOLT SPA DDBXD + 20' POLE + 3' BASE	0.950	125	125
1	OAR	Lithonia	DSX1 LED P4 40K RCCO MVOLT SPA DDBXD + 20' POLE + 3' BASE	0.950	125	125
19	OC1	Vantage	VC606FCR-1540K-BLK	0.950	15.1	286.9
2	OW3	Lithonia	WDGE2 LED P4 40K 80CRI T3M MVOLTSRM DDBXD	0.950	47	94



PHOTOMETRIC SITE PLAN
1" = 20'-0"
NORTH

RELEASE #1 10/13/21

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DRAWN BY:	SALES:
RJF	Joel
SMET NO.:	SHEET:
.	E1.0
ARCHT. NO.:	
21043	
DATE:	
6/25/21	

Part #	VC606FCR1540KBLK
Project	
Type	OC1
Date	
Prepared By	
Notes	

6"x6" LED Commercial Cylinder

LED 6"x6" Open, Commercial Cylinder, non-IC, 1100-2000 Lumens

Description

Fortimo LED DLM Flex Systems

New Fortimo LED Downlight Module (DLM) system now provide the latest advances, including 1% dimming and high quality LED options to satisfy both functional and performance requirements along with excellent energy efficiency and color consistency. For practical and general lighting applications, the Fortimo LED DLM is an excellent solution. Its direct white mid-power LED technology combines high light quality and energy efficiency levels of 100 Lm/W, offering superior price/performance long with low maintenance costs and a long lifetime of 50,000 hours. Three lumen packages are available: 1100, 1500, 2000 lumens with color temperatures of 3000K, 3500K or 4000K. This cylinder delivers an even, wide light distribution.

Specifications and Features

Benefits

- High energy efficiency system up to 107 lm/W.
- Wide range of lumen packages from 1100-2000 lumens.
- High quality of light with CRI 80 and 3 SDCM color consistency.
- Philips 0-10V dimming to 1% of lumen output.
- Input volts 120-277V.
- Minimum 50,000 hours of life at L70 standard.
- 5 year warranty on LED components.

Cylinder

Housing is .064" thick spun aluminum cylinder. Polyester powdercoat exterior finish with factory standard colors White (WHT), Black (BLK), Silver (CS).

VC Mounting - Ceiling mount over recessed octagonal or 4" square junction box (by others).

VP Mounting - Pendant mount with 3/8" IP x 12" long rigid stem and swivel canopy for mounting on sloped ceilings up to 45°. 2'and 3' length stems also available.

CCK Cord and Cable Mounting kits available, standard length 72". Provided with 5 conductor cord to support 0-10V dimming.

Listings

Manufactured and Listed to UL 1598, ETL and CSA standards. Non-IC rated. Insulation to be kept 3" from luminaire. Suitable for Damp Locations; Wet location under covered ceiling. All photometric tests performed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures. ENERGY STAR® certified product.

Warranty

5-year warranty on LED components.

Ordering Information

EXAMPLE: VP606FCR-1135K-WHT

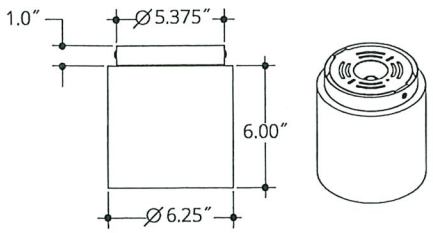
VC	606FCR	- 1	- 15	- 40K	- BLK	-
Mounting	Series	Voltage*	Lumens	Kelvin	Color	Options*
VC VP	606FCR	1 - 120 V 2 - 277V	-11 -1100 -15 - 1500 -20 - 2000	30K - 3000K 35K - 3500K 40K - 4000K	WHT BLK CS	CCK-72 P24 P36 REM

Options

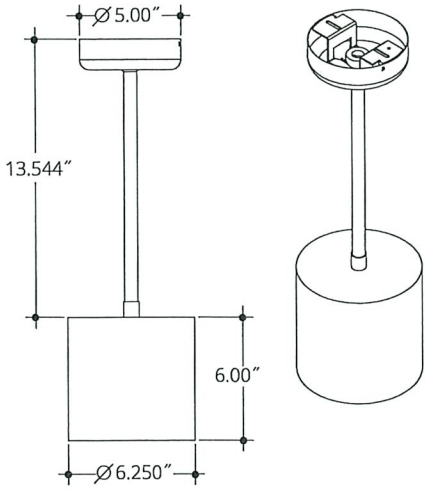
CCK-72 - 6 foot cord and cable
P24 - 2 foot stem
P36 - 3 foot stem
REM - Remote mount emergency

Dimensional Data: LED 6"x6" Open, Commercial Cylinder, non-IC, 1100-2000 Lumens

Ceiling Mount



Pendant Mount



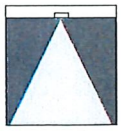
Lumens

Lumens	Wattage*
1100	10.4
1500	15.1
2000	20.1

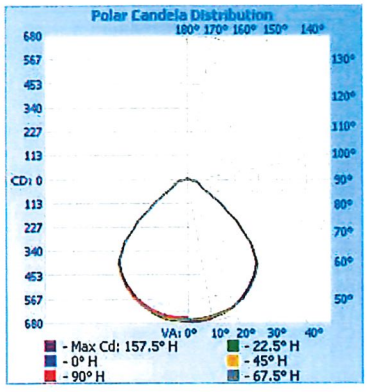
All measured at 3000K
**Actual Wattage/Lumens may vary.*

Photometrics

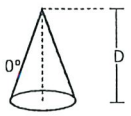
Test Number
PHM-RPT-180412-03
Diver
PHILIPS ADVANCE
Model
VP606FCR-1535K-WHT
Lumens
1524.23
Efficacy
100.6
SC
0.9567



Curve



Cone of Light



	Center Beam fc	Beam Width	
1.7	229	3.9	3.8
3.3	60.8	7.5	7.4
5.0	26.5	11.3	11.3
6.7	14.8	15.2	15.1
8.3	9.61	18.8	18.7
10.0	6.62	22.7	22.6

D-Series Size 1
LED Area Luminaire

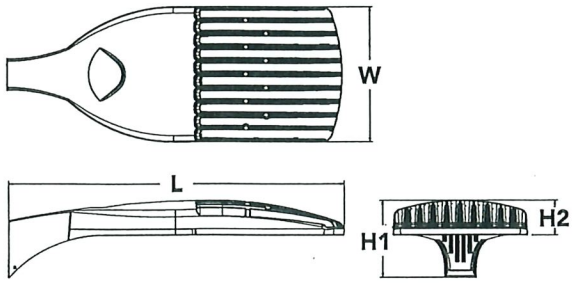
Buy American

Catalog Number	DS1XLEDP440KLCCOMVOLTSPADDBXD
Notes	
Type	OAL

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED	P4	40K	LCCO		MVOLT	SPA
Series	**LEDs**	**Color temperature**	**Distribution**		**Voltage**	**Mounting**
DSX1 LED	**Forward optics** P1 P4[1] P7[1] P2 P5[1] P8 P3 P6[1] P9[1] **Rotated optics** P10[2] P12[2] P11[2] P13[1,2]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium	T5VS Type V very short[3] T5S Type V short[3] T5M Type V medium[3] T5W Type V wide[3] BLC Backlight control[4] LCCO Left corner cutoff[4] RCCO Right corner cutoff[4]	MVOLT[5] XVOLT (277V-480V)[6,7,8] 120[9] 208[9] 240[9] 277[9] 347[9] 480[9]	**Shipped included** SPA Square pole mounting RPA Round pole mounting[10] WBA Wall bracket[3] SPUMBA Square pole universal mounting adaptor[11] RPUMBA Round pole universal mounting adaptor[9] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[12]

DDBXD

Control options		Other options	Finish *(required)*
Shipped installed		**Shipped installed**	DDBXD Dark bronze
NLTAIR2 nLight AIR generation 2 enabled[13]	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[20,21]	HS House-side shield[23]	DBLXD Black
PIRHN Network, high/low motion/ambient sensor[14]	PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[20,21]	SF Single fuse (120, 277, 347V)[9]	DNAXD Natural aluminum
PER NEMA twist-lock receptacle only (controls ordered separate)[15]	PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[20,21]	DF Double fuse (208, 240, 480V)[9]	DWHXD White
PER5 Five-pin receptacle only (controls ordered separate)[15,16]	PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[20,21]	L90 Left rotated optics[2]	DDBTXD Textured dark bronze
PER7 Seven-pin receptacle only (controls ordered separate)[15,16]	FAO Field adjustable output[20,21]	R90 Right rotated optics[2]	DBLBXD Textured black
DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[17]		HA 50°C ambient operations[1]	DNATXD Textured natural aluminum
DS Dual switching[18,19,20]		BAA Buy America(n) Act Compliant	DWHGXD Textured white
		Shipped separately	
		BS Bird spikes[24]	
		EGS External glare shield	

Ordering Information

Accessories

Ordered and shipped separately.

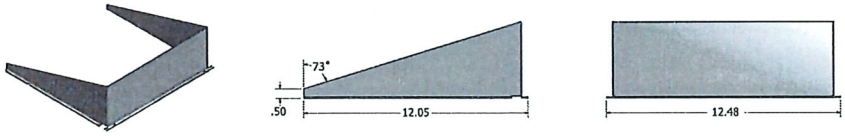
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [25]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [25]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [25]
DSHORT SBK U	Shorting cap [25]
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 [23]
DSX1HS 40C U	House-side shield for P6 and P7 [23]
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 [23]
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) [26]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [12]
DSX1EGS (FINISH) U	External glare shield

For more control options, visit DTL and ROAM online.

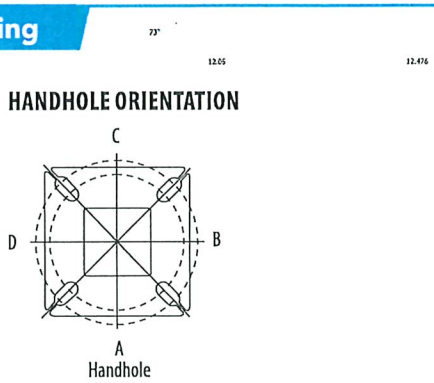
NOTES
1 HA not available with P4, P5, P6, P7, P9 and P13.
2 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
3 Any Type 5 distribution with photocell, is not available with WBA.
4 Not available with HS.
5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
6 XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
7 XVOLT works with any voltage between 277V and 480V.
8 XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
9 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF.
10 Suitable for mounting to round poles between 3.5" and 12" diameter.
11 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8
12 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
13 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
14 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
18 Provides 50/50fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
19 Requires (2) separately switched circuits with isolated neutrol.
20 Reference Controls Option Default settings table on page 4.
21 Reference Motion Sensor table on page 4 to see functionality.
22 Not available with other dimming controls options.
23 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
24 Must be ordered with fixture for factory pre-drilling.
25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
26 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

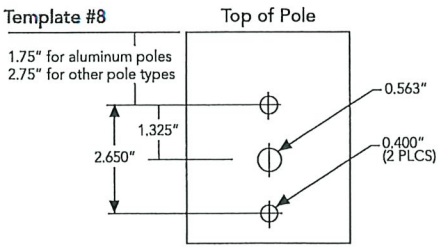
Options

EGS - External Glare Shield



Drilling





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

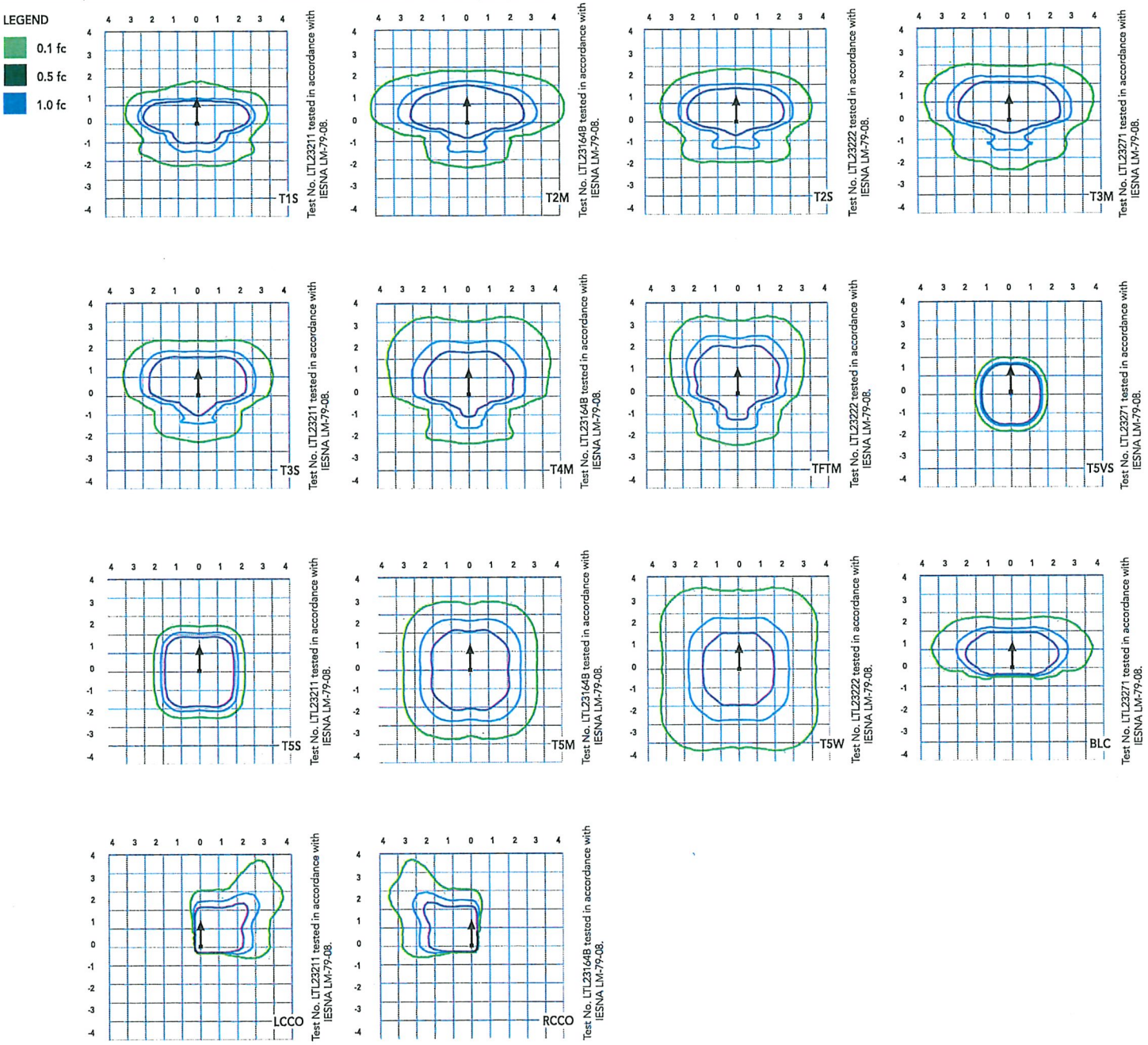
Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Phototcell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use when motion sensor is used as dusk to dawn control.						

Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A) 120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options				
Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell recepticle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				T5VS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				T5W	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				T5VS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				T5W	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				T5VS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				T5VS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				T5VS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				T5VS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				T5VS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				T5W	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				T5VS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				T5W	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				T5VS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				T5VS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				T5W	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS
The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS
UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

BUY AMERICAN
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

D-Series Size 1
LED Area Luminaire

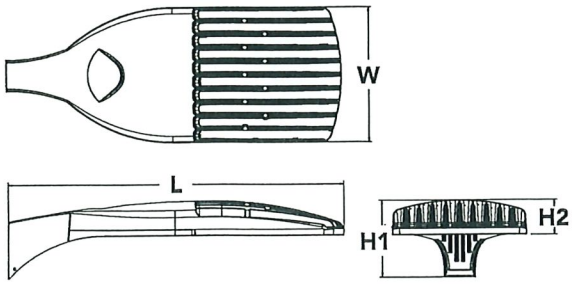
Buy American

Catalog Number	DS1XLEDP440KRCCOMVOLTSPADDBXD
Notes	
Type	OAR

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED	P4	40K	RCCO	MVOLT	SPA

Series

DSX1 LED

LEDs

Forward optics

P1, P2, P3, P4[1], P5[1], P6[1], P7[1], P8, P9[1]

Rotated optics

P10[2], P11[2], P12[2], P13[1,2]

Color temperature

30K	3000 K
40K	4000 K
50K	5000 K

Distribution

T1S	Type I short (Automotive)
T2S	Type II short
T2M	Type II medium
T3S	Type III short
T3M	Type III medium
T4M	Type IV medium
TFTM	Forward throw medium
T5VS	Type V very short[3]
T5S	Type V short[3]
T5M	Type V medium[3]
T5W	Type V wide[3]
BLC	Backlight control[4]
LCCO	Left corner cutoff[4]
RCCO	Right corner cutoff[4]

Voltage

MVOLT[5]
XVOLT (277V-480V)[6,7,8]
120[9]
208[9]
240[9]
277[9]
347[9]
480[9]

Mounting

Shipped included

SPA	Square pole mounting
RPA	Round pole mounting[10]
WBA	Wall bracket[3]
SPUMBA	Square pole universal mounting adaptor[11]
RPUMBA	Round pole universal mounting adaptor[9]

Shipped separately

KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish)[12]

DDBXD

Control options

Shipped installed

NLTAIR2	nLight AIR generation 2 enabled[13]
PIRHN	Network, high/low motion/ambient sensor[14]
PER	NEMA twist-lock receptacle only (controls ordered separate)[15]
PER5	Five-pin receptacle only (controls ordered separate)[15,16]
PER7	Seven-pin receptacle only (controls ordered separate)[15,16]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[17]
DS	Dual switching[18,19,20]
PIR	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[20,21]
PIRH	High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[20,21]
PIR1FC3V	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[20,21]
PIRH1FC3V	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[20,21]
FAO	Field adjustable output[20,21]

Other options

Shipped installed

HS	House-side shield[23]
SF	Single fuse (120, 277, 347V)[9]
DF	Double fuse (208, 240, 480V)[9]
L90	Left rotated optics[2]
R90	Right rotated optics[2]
HA	50°C ambient operations[1]
BAA	Buy America(n) Act Compliant

Shipped separately

BS	Bird spikes[24]
EGS	External glare shield

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

Ordering Information

Accessories

Ordered and shipped separately.

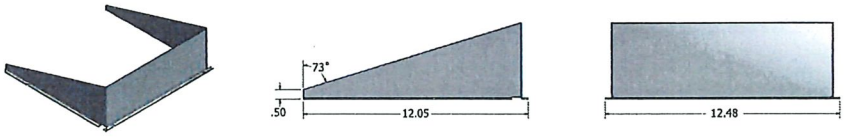
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [25]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [25]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [25]
DSHORT SBK U	Shorting cap [25]
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 [23]
DSX1HS 40C U	House-side shield for P6 and P7 [23]
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 [23]
PUMBA DDBXD U[24]	Square and round pole universal mounting bracket (specify finish) [26]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [12]
DSX1EGS (FINISH) U	External glare shield

For more control options, visit DTL and ROAM online.

NOTES
1 HA not available with P4, P5, P6, P7, P9 and P13.
2 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
3 Any Type 5 distribution with photocell, is not available with WBA.
4 Not available with HS.
5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
6 XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
7 XVOLT works with any voltage between 277V and 480V.
8 XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
9 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF.
10 Suitable for mounting to round poles between 3.5" and 12" diameter.
11 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8
12 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
13 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
14 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
18 Provides 50/50fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
19 Requires (2) separately switched circuits with isolated neutrol.
20 Reference Controls Option Default settings table on page 4.
21 Reference Motion Sensor table on page 4 to see functionality.
22 Not available with other dimming controls options.
23 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
24 Must be ordered with fixture for factory pre-drilling.
25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
26 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

Options

EGS - External Glare Shield

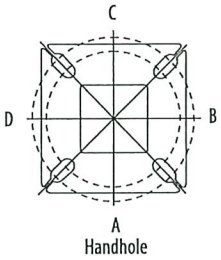


Drilling

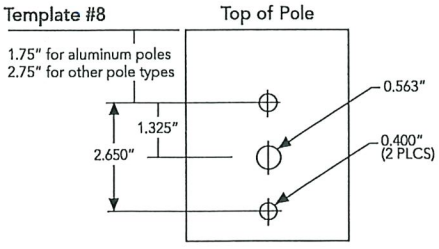
73°

12.05 12.476

HANDHOLE ORIENTATION



Template #8 Top of Pole



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

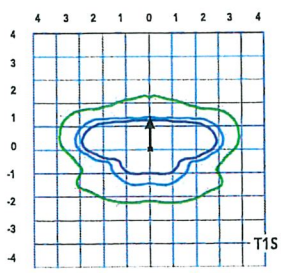
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

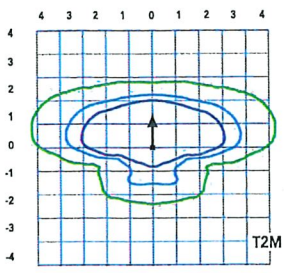
Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

LEGEND

0.1 fc
0.5 fc
1.0 fc



Test No. LTL23211 tested in accordance with IESNA LM-79-08.



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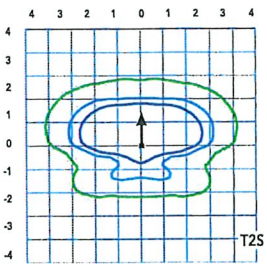

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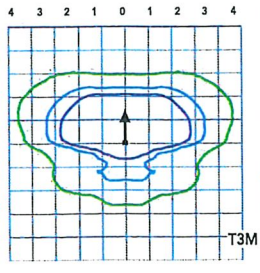
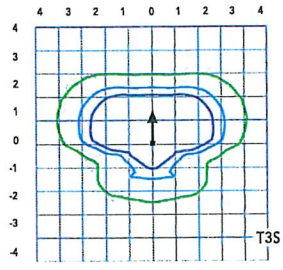
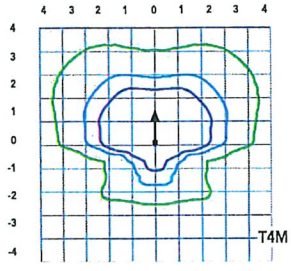


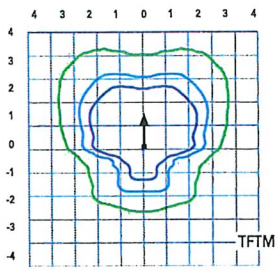
Test No. LTL23271 tested in accordance with IESNA LM-79-08.



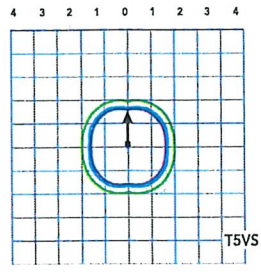
Test No. LTL23211 tested in accordance with IESNA LM-79-08.



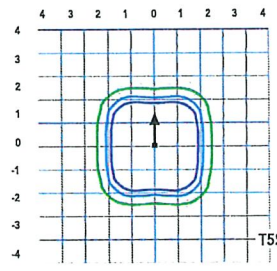
Test No. LTL23164B tested in accordance with IESNA LM-79-08.



Test No. LTL23222 tested in accordance with IESNA LM-79-08.



Test No. LTL23271 tested in accordance with IESNA LM-79-08.



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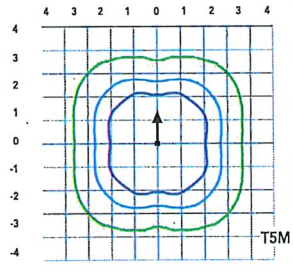

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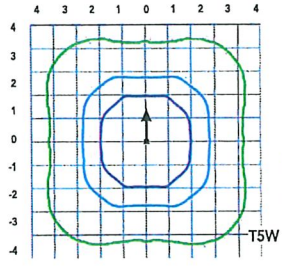

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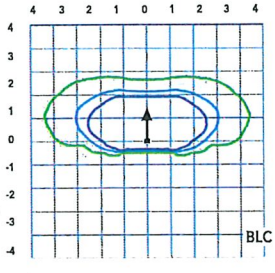

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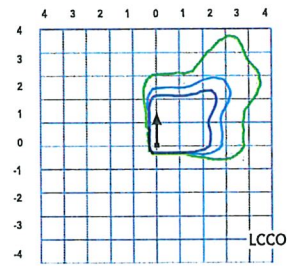

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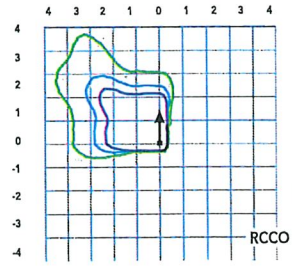


Test No. LTL23164B tested in accordance with IESNA LM-79-08.

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Phototcell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use when motion sensor is used as dusk to dawn control.						

Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A) 120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options				
Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell recepticle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				T5VS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				T5W	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				T5VS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				T5W	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				T5VS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				T5VS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				T5VS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				T5VS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				T5VS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				T5W	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				T5VS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				T5W	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				T5VS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				T5VS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				T5W	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS
The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS
UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

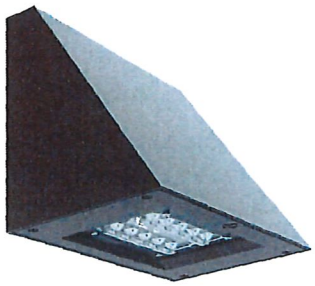
DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

BUY AMERICAN
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.



WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic

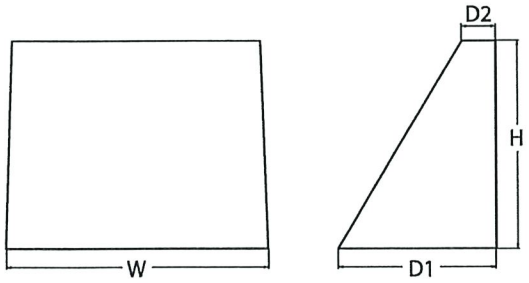
Buy American

Catalog Number	WDGE2LEDP440K80CRIT3MMVOLT
Notes	
Type	OW3

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Depth (D1):	7"
Depth (D2):	1.5"
Height:	9"
Width:	11.5"
Weight: (without options)	13.5 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

WDGE2LED P4 40K 80CRI T3M T3M

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0[1]	27K 2700K	70CRI[4]	T1S Type I Short	MVOLT	**Shipped included**
	P1[2]	30K 3000K	80CRI	T2M Type II Medium	347[5]	SRM Surface mounting bracket
	P2[2]	40K 4000K	LW[3] Limited Wavelength	T3M Type III Medium	480[5]	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[6]
	P3[2]	50K 5000K		T4M Type IV Medium		**Shipped separately**
	P4[2]	AMB[3] Amber		TFTM Forward Throw Medium		AWS 3/8inch Architectural wall spacer
						PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

Options

E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)
PE[7]	Photocell, Button Type
DMG[8]	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.

Standalone Sensors/Controls

PIR	Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH	Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching
PIR1FC3V	Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.
PIRH1FC3V	Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.

Networked Sensors/Controls

NLTAIR2 PIR	nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.
NLTAIR2 PIRH	nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.

See page 4 for out of box functionality

Finish

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DSSXD	Sandstone
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white
DSSTXD	Textured sandstone

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2PBBW DDBXD U	WDGE2 surface-mounted back box (specify finish)

NOTES

1 P0 option not available with sensors/controls.
2 P1-P4 not available with AMB and LW.
3 AMB and LW always go together.
4 70CRI only available with T3M and T4M.
5 347V and 480V not available with E10WH or E20WC.
6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
7 PE not available in 480V or with sensors/controls.
8 DMG option not available with sensors/controls.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2

Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

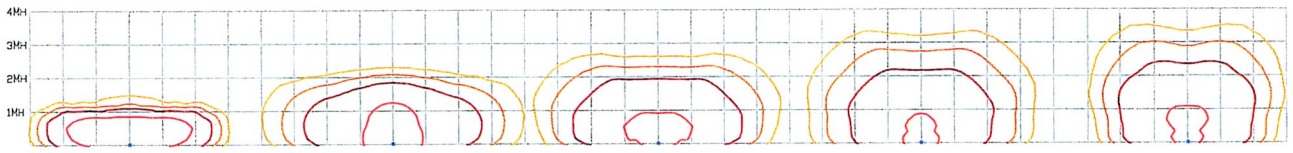
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

0.25 fc
0.5 fc
1.0 fc
3.0 fc

MH = 10ft
Grid = 10ft x 10ft



"P3 40K 80CRI T1S" "P3 40K 80CRI T2M" "P3 40K 80CRI T3M" "P3 40K 80CRI T4M" "P3 40K 80CRI TFTM"

Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

Control / Sensor Options

Motion/Ambient Sensor (PIR_, PIRH_)

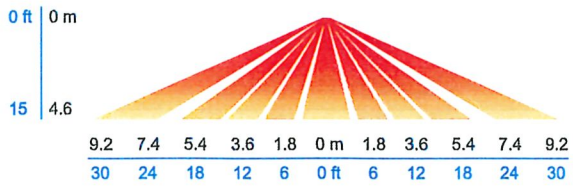
Motion/Ambeint sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

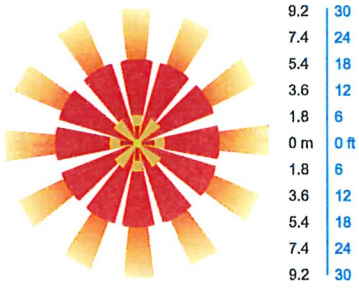
Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

PIR

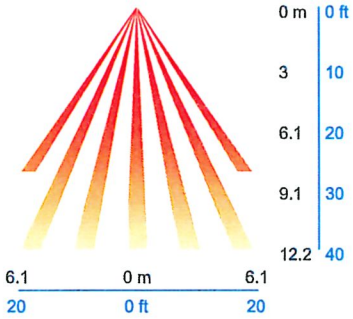
HIGH VIEW



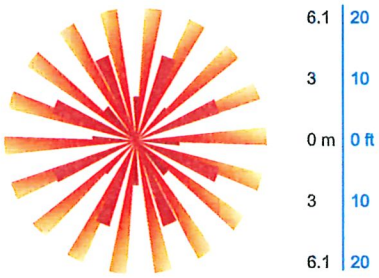


PIRH

SIDE VIEW



TOP VIEW

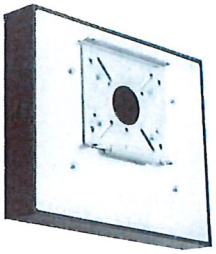


Option	Dim Level	High Level (when triggered	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

Mounting, Options & Accessories

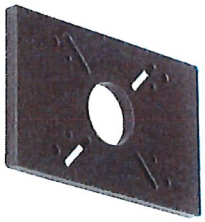
Motion/Ambient Sensor

D = 7"
H = 9" (Standalone controls)
11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)
W = 11.5"



PBBW – Surface-Mounted Back Box
Use when there is no junction box available.

D = 1.75"
H = 9"
W = 11.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
H = 4.4"
W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE
Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION
The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH
Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

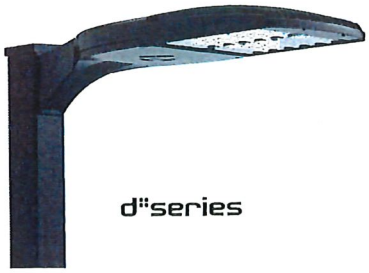
INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

BUY AMERICAN
This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



D-Series Size 1
LED Area Luminaire

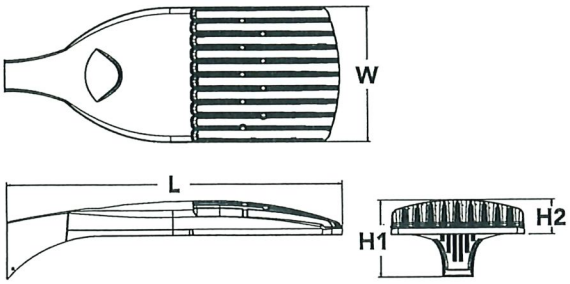
Buy American

Catalog Number	DS1XLEDP440KBLCMVOLTSPADDBXD
Notes	
Type	OA3

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED	P4	40K	BLC		MVOLT	SPA
Series	**LEDs**	**Color temperature**	**Distribution**		**Voltage**	**Mounting**
DSX1 LED	**Forward optics** P1 P4[1] P7[1] P2 P5[1] P8 P3 P6[1] P9[1] **Rotated optics** P10[2] P12[2] P11[2] P13[1,2]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium	T5VS Type V very short[3] T5S Type V short[3] T5M Type V medium[3] T5W Type V wide[3] BLC Backlight control[4] LCCO Left corner cutoff[4] RCCO Right corner cutoff[4]	MVOLT[5] XVOLT (277V-480V)[6,7,8] 120[9] 208[9] 240[9] 277[9] 347[9] 480[9]	**Shipped included** SPA Square pole mounting RPA Round pole mounting[10] WBA Wall bracket[3] SPUMBA Square pole universal mounting adaptor[11] RPUMBA Round pole universal mounting adaptor[9] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[12]

DDBXD

Control options		**Other options**	**Finish** *(required)*
Shipped installed	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[20,21]	**Shipped installed**	DDBXD Dark bronze
NLTAIR2 nLight AIR generation 2 enabled[13]	PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[20,21]	HS House-side shield[23]	DBLXD Black
PIRHN Network, high/low motion/ambient sensor[14]	PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[20,21]	SF Single fuse (120, 277, 347V)[9]	DNAXD Natural aluminum
PER NEMA twist-lock receptacle only (controls ordered separate)[15]	PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[20,21]	DF Double fuse (208, 240, 480V)[9]	DWHXD White
PER5 Five-pin receptacle only (controls ordered separate)[15,16]	FAO Field adjustable output[20,21]	L90 Left rotated optics[2]	DDBTXD Textured dark bronze
PER7 Seven-pin receptacle only (controls ordered separate)[15,16]		R90 Right rotated optics[2]	DBLBXD Textured black
DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[17]		HA 50°C ambient operations[1]	DNATXD Textured natural aluminum
DS Dual switching[18,19,20]		BAA Buy America(n) Act Compliant	DWHGXD Textured white
		Shipped separately	
		BS Bird spikes[24]	
		EGS External glare shield	

Ordering Information

Accessories

Ordered and shipped separately.

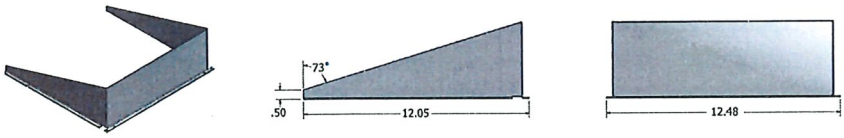
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [25]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [25]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [25]
DSHORT SBK U	Shorting cap [25]
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 [23]
DSX1HS 40C U	House-side shield for P6 and P7 [23]
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 [23]
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) [26]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [12]
DSX1EGS (FINISH) U	External glare shield

For more control options, visit DTL and ROAM online.

NOTES
1 HA not available with P4, P5, P6, P7, P9 and P13.
2 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
3 Any Type 5 distribution with photocell, is not available with WBA.
4 Not available with HS.
5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
6 XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
7 XVOLT works with any voltage between 277V and 480V.
8 XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
9 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF.
10 Suitable for mounting to round poles between 3.5" and 12" diameter.
11 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8
12 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
13 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
14 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
18 Provides 50/50fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
19 Requires (2) separately switched circuits with isolated neutrol.
20 Reference Controls Option Default settings table on page 4.
21 Reference Motion Sensor table on page 4 to see functionality.
22 Not available with other dimming controls options.
23 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
24 Must be ordered with fixture for factory pre-drilling.
25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
26 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

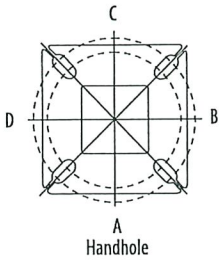
Options

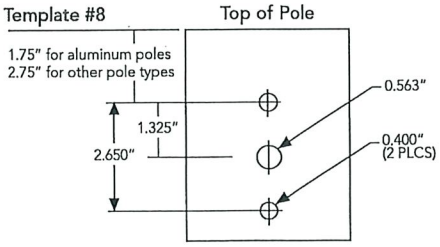
EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

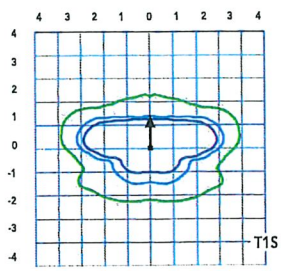
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

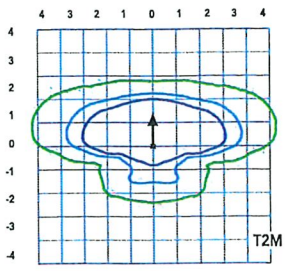
Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



Test No. LTL23211 tested in accordance with IESNA LM-79-08.



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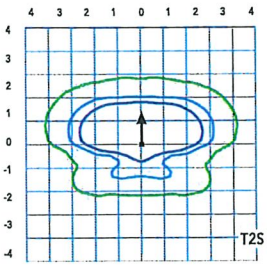

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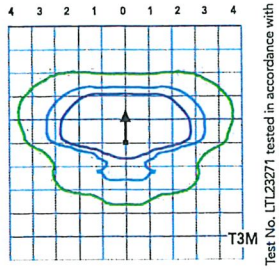

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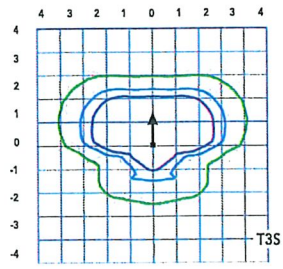
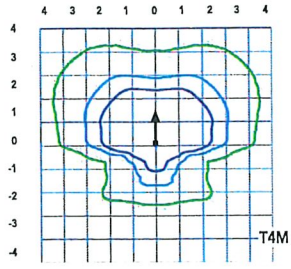
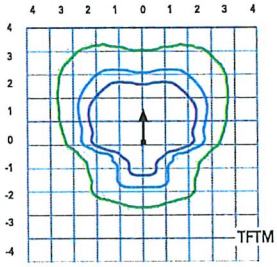


Test No. LTL23211 tested in accordance with IESNA LM-79-08.



Test No. LTL23164B tested in accordance with IESNA LM-79-08.



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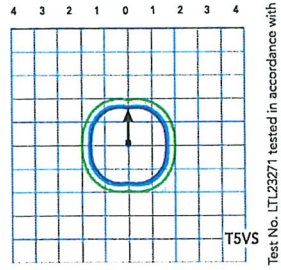
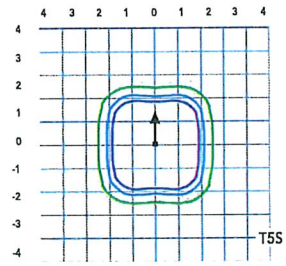


Test No. LTL23271 tested in accordance with IESNA LM-79-08.



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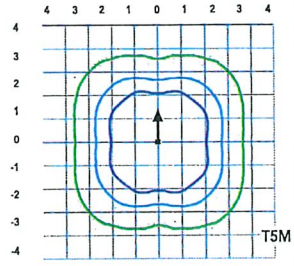
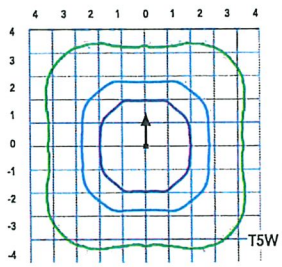


Test No. LTL23164B tested in accordance with IESNA LM-79-08.



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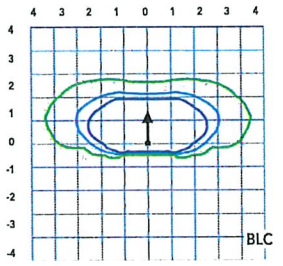

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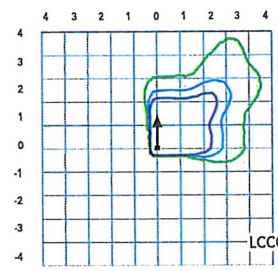

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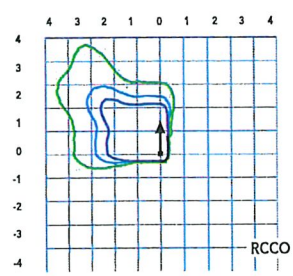


Test No. LTL23164B tested in accordance with IESNA LM-79-08.

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use when motion sensor is used as dusk to dawn control.						

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options				
Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell recepticle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				T5VS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				T5W	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				T5VS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				T5W	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				T5VS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				T5VS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				T5VS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				T5VS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				T5VS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				T5W	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				T5VS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				T5W	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				T5VS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				T5VS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				T5W	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS
The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS
UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

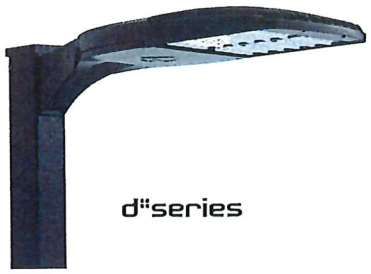
DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

BUY AMERICAN
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.



D-Series Size 1
LED Area Luminaire

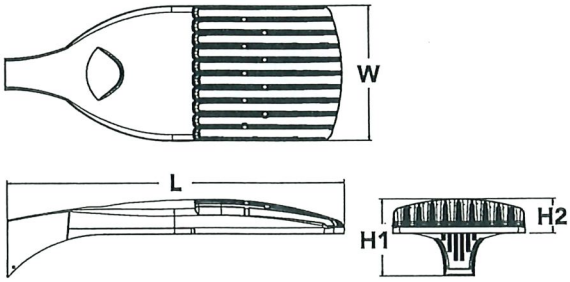
Buy American

Catalog Number	DS1XLEDP440KT4MMVOLTSPADDBXD
Notes	
Type	OA4

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED	P4	40K	T4M	MVOLT	SPA

Series

DSX1 LED

LEDs

Forward optics

P1, P2, P3, P4[1], P5[1], P6[1], P7[1], P8, P9[1]

Rotated optics

P10[2], P11[2], P12[2], P13[1,2]

Color temperature

30K	3000 K
40K	4000 K
50K	5000 K

Distribution

T1S	Type I short (Automotive)
T2S	Type II short
T2M	Type II medium
T3S	Type III short
T3M	Type III medium
T4M	Type IV medium
TFTM	Forward throw medium
T5VS	Type V very short[3]
T5S	Type V short[3]
T5M	Type V medium[3]
T5W	Type V wide[3]
BLC	Backlight control[4]
LCCO	Left corner cutoff[4]
RCCO	Right corner cutoff[4]

Voltage

MVOLT[5]
XVOLT (277V-480V)[6,7,8]
120[9]
208[9]
240[9]
277[9]
347[9]
480[9]

Mounting

Shipped included

SPA	Square pole mounting
RPA	Round pole mounting[10]
WBA	Wall bracket[3]
SPUMBA	Square pole universal mounting adaptor[11]
RPUMBA	Round pole universal mounting adaptor[9]

Shipped separately

KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish)[12]

DDBXD

Control options

Shipped installed

NLTAIR2	nLight AIR generation 2 enabled[13]
PIRHN	Network, high/low motion/ambient sensor[14]
PER	NEMA twist-lock receptacle only (controls ordered separate)[15]
PER5	Five-pin receptacle only (controls ordered separate)[15,16]
PER7	Seven-pin receptacle only (controls ordered separate)[15,16]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[17]
DS	Dual switching[18,19,20]
PIR	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[20,21]
PIRH	High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[20,21]
PIR1FC3V	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[20,21]
PIRH1FC3V	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[20,21]
FAO	Field adjustable output[20,21]

Other options

Shipped installed

HS	House-side shield[23]
SF	Single fuse (120, 277, 347V)[9]
DF	Double fuse (208, 240, 480V)[9]
L90	Left rotated optics[2]
R90	Right rotated optics[2]
HA	50°C ambient operations[1]
BAA	Buy America(n) Act Compliant

Shipped separately

BS	Bird spikes[24]
EGS	External glare shield

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

Ordering Information

Accessories

Ordered and shipped separately.

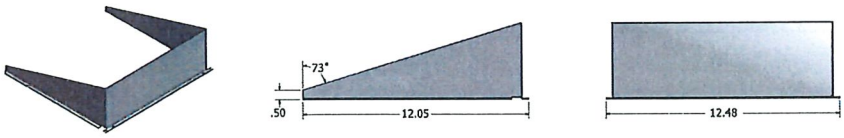
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [25]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [25]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [25]
DSH0RT SBK U	Shorting cap [25]
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 [23]
DSX1HS 40C U	House-side shield for P6 and P7 [23]
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 [23]
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) [26]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [12]
DSX1EGS (FINISH) U	External glare shield

For more control options, visit DTL and ROAM online.

NOTES
1 HA not available with P4, P5, P6, P7, P9 and P13.
2 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
3 Any Type 5 distribution with photocell, is not available with WBA.
4 Not available with HS.
5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
6 XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
7 XVOLT works with any voltage between 277V and 480V.
8 XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
9 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF.
10 Suitable for mounting to round poles between 3.5" and 12" diameter.
11 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8
12 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
13 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
14 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
18 Provides 50/50fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
19 Requires (2) separately switched circuits with isolated neutrol.
20 Reference Controls Option Default settings table on page 4.
21 Reference Motion Sensor table on page 4 to see functionality.
22 Not available with other dimming controls options.
23 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
24 Must be ordered with fixture for factory pre-drilling.
25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
26 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

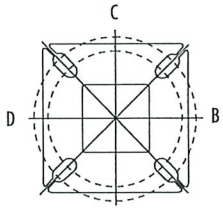
Options

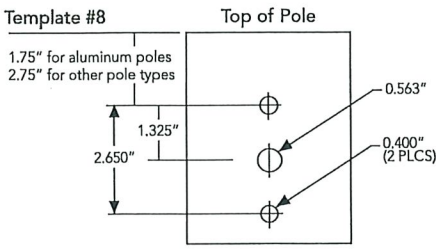
EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

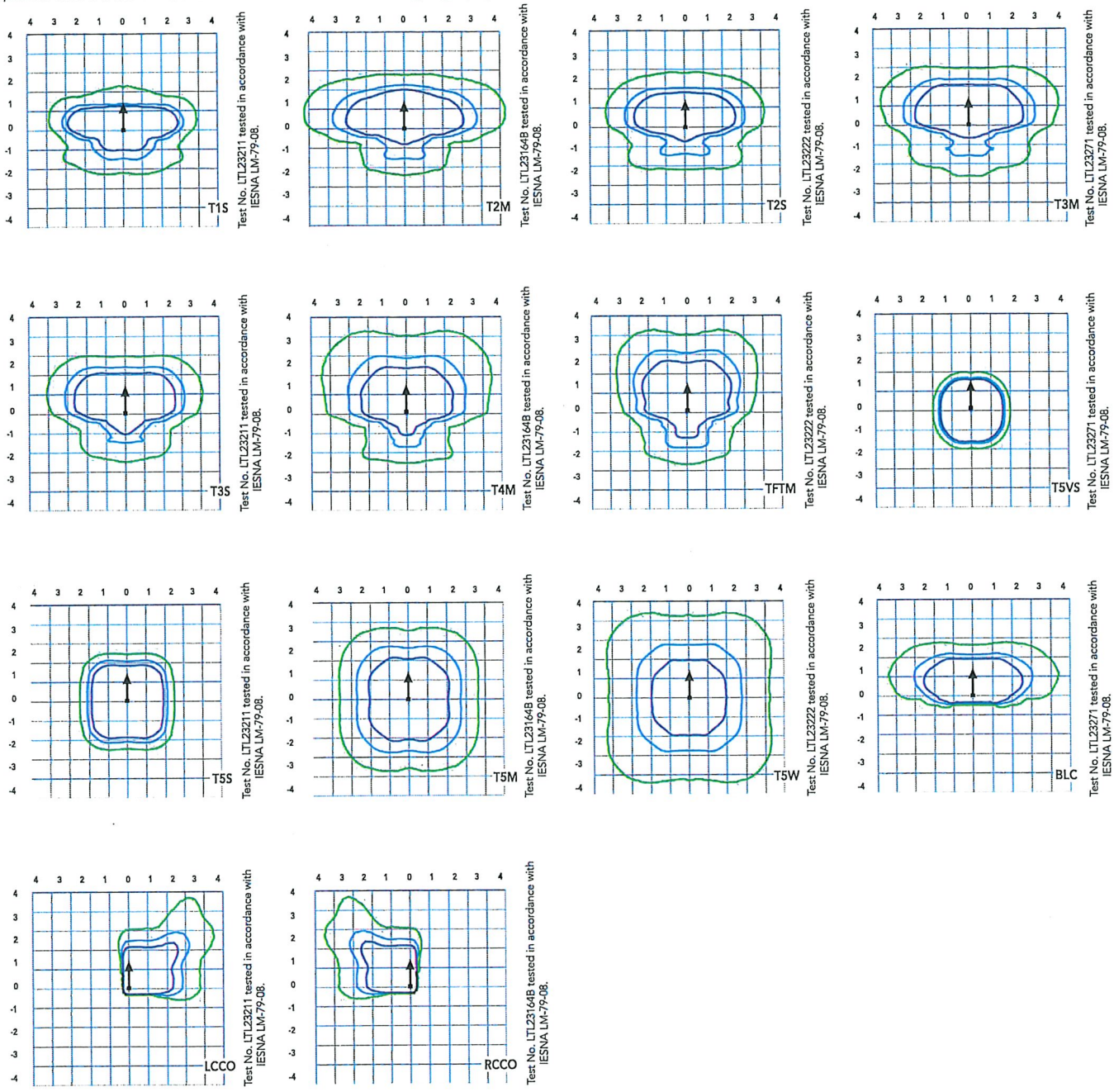
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use when motion sensor is used as dusk to dawn control.						

Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A) 120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options				
Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell recepticle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				T5VS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				T5W	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				T5VS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				T5W	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				T5VS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				T5VS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				T5VS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				T5VS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				T5VS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				T5W	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				T5VS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				T5W	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				T5VS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				T5VS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				T5W	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS
The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS
UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

BUY AMERICAN
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

03/29/2021

CITY OF STURGEON BAY

AESTHETIC DESIGN & SITE PLAN REVIEW BOARD

APPLICATION FOR ***CERTIFICATE OF APPROPRIATENESS***

Name: MICHELLE STEMPSON

Owner of Premises: HARBOR RIDGE LLC

Address or Legal Description of Premises:

281-66-120033D1D (S GRANT AVE)

Statement of Specific Item Requested for Approval:

FULL REVIEW OF BUILDING AND SITE DEVELOPMENT

10/21/21
Date

Applicant

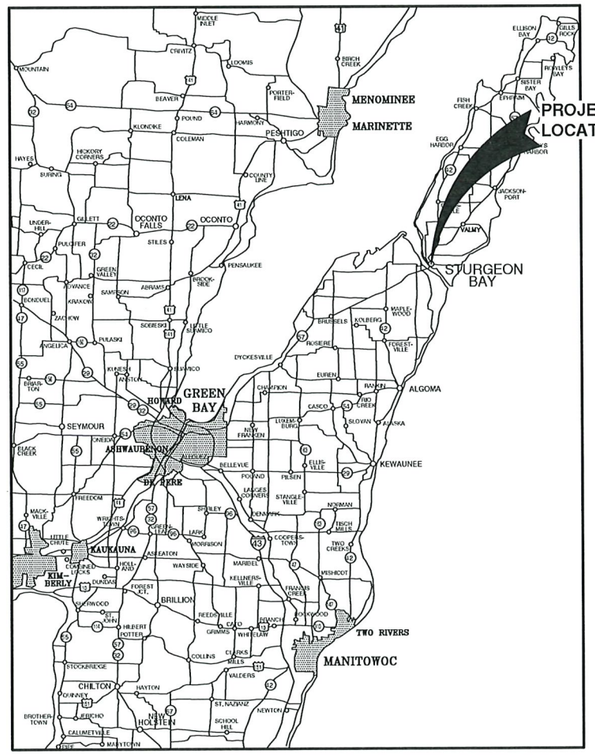
Date Received: _____

Staff Signature: _____

Date Approved/Denied: _____

MULTI-FAMILY DEVELOPMENT FOR
LEXINGTON HOMES
CITY OF STURGEON BAY, DOOR COUNTY, WISCONSIN

ATTENTION!
DOWNLOADED PLANS ARE NOT SCALEABLE, NEITHER THE OWNER OR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR THE SCALE OR PRINT QUALITY OF DOWNLOADED PLANS. ONLY PRINTED PLANS FROM BLUE PRINT SERVICE CO., INC. SHALL BE CONSIDERED TO BE SCALEABLE PLANS.

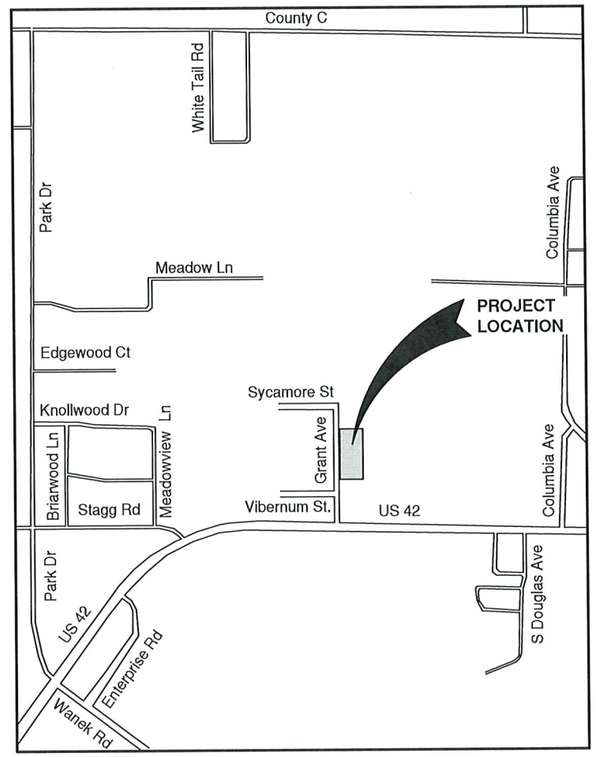


VICINITY MAP

NOTE:
EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, WHETHER SHOWN OR NOT, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITY OWNERS SHALL BE NOTIFIED FOR LOCATES BY THE CONTRACTOR 72 HOURS PRIOR TO EXCAVATION.

NOTE:
ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION AND SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONSTRUCTION SITE EROSION CONTROL AND TECHNICAL STANDARDS.

INDEX TO DRAWINGS



LOCATION MAP

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

DRAWN BDR
CHECKED
DESIGNED JGS

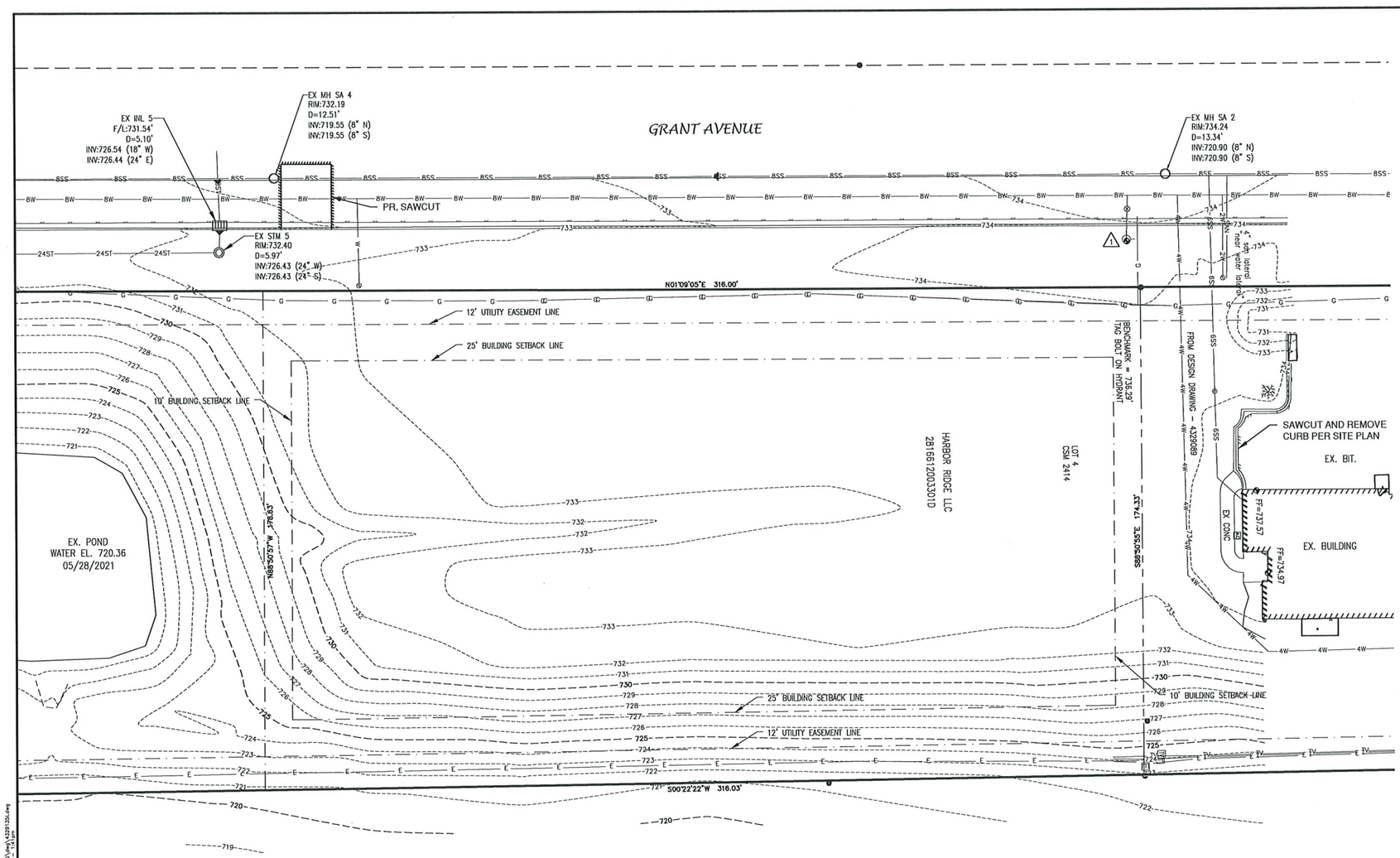
MULTI-FAMILY DEVELOPMENT FOR
LEXINGTON HOMES
CITY OF STURGEON BAY
DOOR COUNTY, WISCONSIN

LOCATION MAPS AND INDEX TO DRAWINGS

DATE 07/2021
FILE 4329135C
JOB NO. 4329135

Robert E. Lee & Associates, Inc.
ENGINEERING, SURVEYING, ENVIRONMENTAL SERVICES
1250 CENTENNIAL CENTRE BOULEVARD HOBART, WI 54155
920-662-9641 www.releeinc.com

SHEET NO. C



OWNER INFORMATION:

LEXINGTON HOMES, INC.
1300 N KIMPS CT.
GREEN BAY, WI 54313

PHONE NUMBER 920-662-1611

UTILITY INFORMATION:

UTILITIES PRESENT:
STURGEON BAY PUBLIC UTILITIES, WISCONSIN PUBLIC SERVICE CORP., AT&T, AND CHARTER COMMUNICATIONS.

UTILITIES SHOWN ON THIS MAP ARE BASED ON LOCATES FROM:

DIGGER'S HOTLINE TICKETS NUMBERED 20212109569 AND 20212109575, BOTH DATED 05/25/2021, VISIBLE OBSERVATION AND RECORD UTILITY PLAN DOCUMENTS. UTILITY LINE LOCATIONS SHOULD BE VERIFIED PRIOR TO ANY DIGGING. THIS SITE MAY CONTAIN BURIED UTILITIES NOT IDENTIFIED ON THIS MAP.

DIGGERS HOTLINE = 1-800-242-8511

WATER/SANITARY/STORM SEWER:
DEPARTMENT OF PUBLIC WORKS
CITY OF STURGEON BAY
835 N. 14TH AVE.
STURGEON BAY, WI 54235

(920) 746-2912

GAS & ELECTRIC:
WISCONSIN PUBLIC SERVICE CORP.
700 N. ADAMS ST.
GREEN BAY, WI 54307

(800) 797-7434

TELECOMMUNICATIONS:
AT & T / SBC
205 S. JEFFERSON ST.
GREEN BAY, WI 54301

(920) 433-4147

TELECOMMUNICATIONS:
CHARTER COMMUNICATIONS
3315 S. LINCOLN AV.
TWO RIVERS, WI 54241

(920) 793-2216

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

BENCHMARK	BENCHMARK ESTABLISHED BY: ROBERT E. LEE & ASSOCIATES, INC. FIELD VERIFY BENCHMARKS FOR ACCURACY.	
NO.	DESCRIPTION	EL.
1	TAG BOLT ON HYDRANT	736.29

LEGEND

- FIRE HYDRANT
- WATER VALVE/CURB STOP
- WATER MANHOLE
- REDUCER/INCREASER
- SANITARY MANHOLE
- AIR RELIEF MANHOLE
- STORM MANHOLE
- OPEN STORM MANHOLE
- STORM INLET
- STORM INLET MANHOLE
- TANK COVER
- SOIL BORING
- POST
- IRON PIPE/ROD
- PK NAIL
- POWER POLE
- POWER POLE W/GUY WIRE
- LIGHT POLE
- TRAFFIC SIGNAL POLE
- ELECTRIC MANHOLE
- ELECTRIC METER
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- CABLE TV MANHOLE
- CABLE TV PEDESTAL
- GAS VALVE
- GAS METER
- MAILBOX
- SIGN
- BOLLARD
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- RIP RAP
- CULVERT
- WETLANDS
- HANDICAP PARKING
- EDGE OF ASPHALT
- EDGE OF GRAVEL
- CURB & GUTTER
- TREE/BRUSH LINE
- CONTOUR LINE
- RETAINING WALL
- GUARD RAIL
- FENCE
- SANITARY SEWER (SIZE NOTED)
- FORCEMAIN (SIZE NOTED)
- STORM SEWER (SIZE NOTED)
- WATERMAIN (SIZE NOTED)
- GAS LINE
- OVERHEAD TELEPHONE LINE
- UNDERGROUND TELEPHONE LINE
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD CABLE TV LINE
- CABLE TV LINE
- FIBER OPTIC LINE
- R/W LINE
- PROPERTY LINE
- EASEMENT LINE
- BUILDING SETBACK LINE
- SECTION LINE

GR.	GRAVEL	HSE	HOUSE	WM	WATERMAIN	ST	STORM SEWER	R	RADIUS	B-B	BACK TO BACK (OF CURB)
BIT.	BITUMINOUS	PED	PEDESTAL	HYD.	HYDRANT	CB	CATCH BASIN	EX	EXISTING	F-F	FACE TO FACE (OF CURB)
ASPH.	ASPHALT	PP	POWER POLE	WV	WATER VALVE	TELE	TELEPHONE	PR	PROPOSED	R/W	RIGHT OF WAY
CONC.	CONCRETE	LP	LIGHT POLE	SAN	SANITARY SEWER	ELEC	ELECTRIC	EOR	END OF RADIUS	T/C	TOP OF CURB
SW	SIDEWALK	BM	BENCH MARK	MH	MANHOLE	TV	TELEVISION	BOC	BACK OF CURB	F/L	FLOW LINE
BLDG	BUILDING					STA.	STATION				

C/L	CENTERLINE	
R/L	REFERENCE LINE	
INV.	INVERT	
CMP	CORRUGATED METAL PIPE	
RCP	REINFORCED CONCRETE PIPE	
CULV.	CULVERT	

NORTH

0' 20' 40'
SCALE IN FEET

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

DRAWN LLP
CHECKED —
DESIGNED JGS

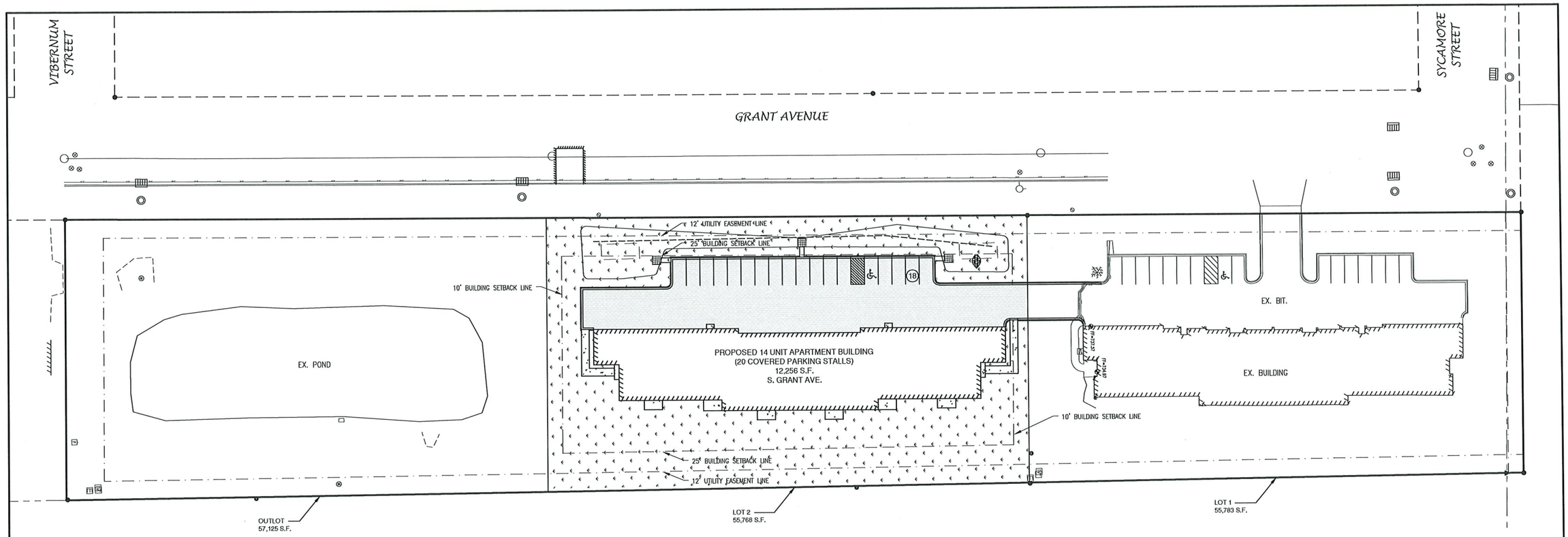
MULTI-FAMILY DEVELOPMENT FOR
LEXINGTON HOMES
CITY OF STURGEON BAY
DOOR COUNTY, WISCONSIN

EXISTING SITE CONDITIONS

DATE 06/2021
FILE 4329135T
JOB NO. 4329135

Robert E. Lee & Associates, Inc.
ENGINEERING, SURVEYING, ENVIRONMENTAL SERVICES
1250 CENTENNIAL CENTRE BOULEVARD HOBART, WI 54155
920-662-9641 www.releinc.com

SHEET NO. 1



LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- ASPHALT PAVEMENT
- LANDSCAPE AREA
- GREEN SPACE
- PROPOSED 18" STANDARD CURB AND GUTTER
- TRAFFIC FLOW ARROW
- HANDICAPPED PARKING
- (12) INDICATES NUMBER OF PARKING STALLS

* LOT INFORMATION IS PER RECENTLY SUBMITTED CSM.

NORTH

0' 30' 60'

SCALE IN FEET

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

DRAWN LLP
CHECKED —
DESIGNED JSG

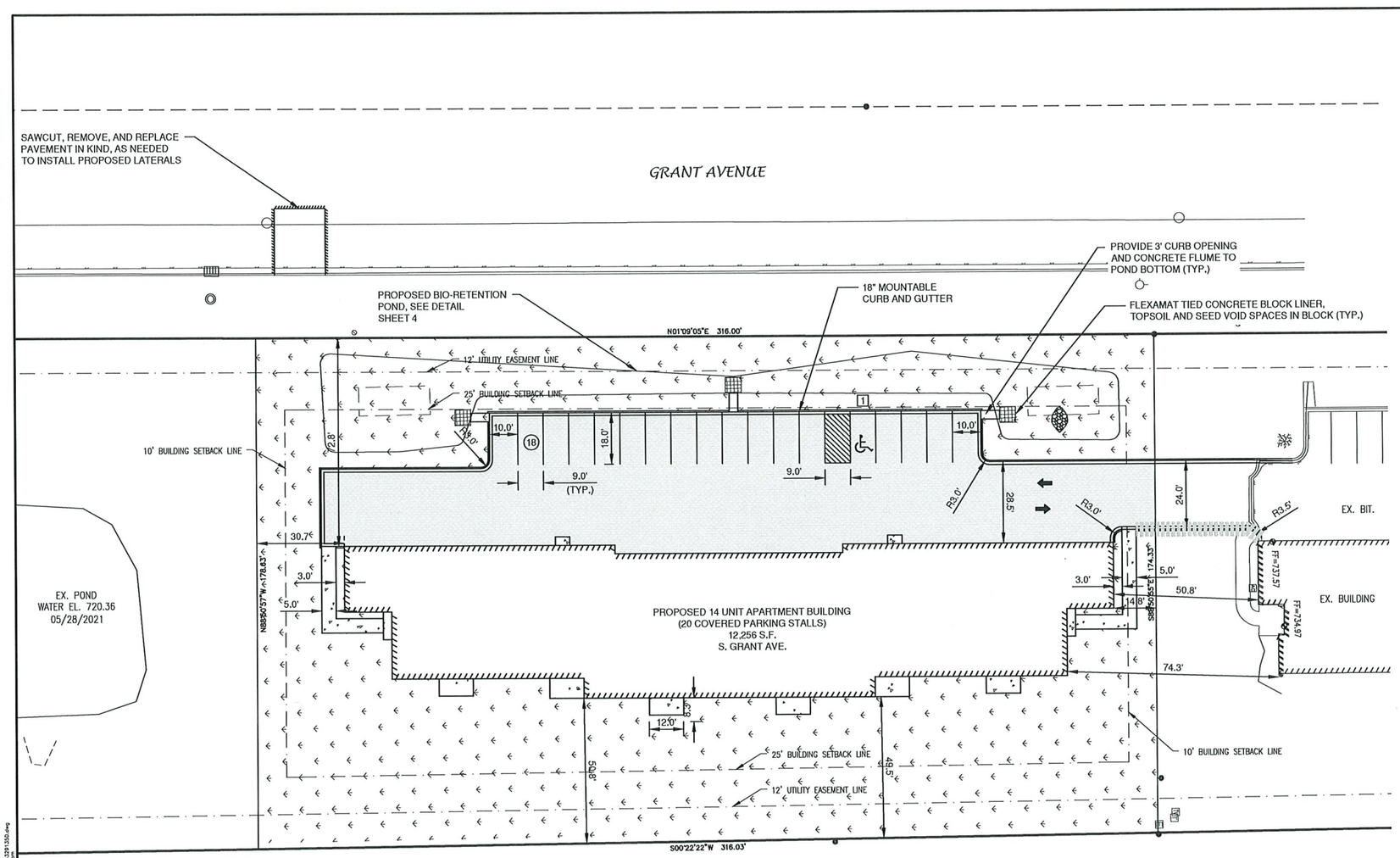
MULTI-FAMILY DEVELOPMENT FOR
LEXINGTON HOMES
CITY OF STURGEON BAY
DOOR COUNTY, WISCONSIN

OVERALL SITE PLAN

DATE 07/2021
FILE 4329135D
JOB NO. 4329135

Robert E. Lee & Associates, Inc.
ENGINEERING, SURVEYING, ENVIRONMENTAL SERVICES
1250 CENTENNIAL CENTRE BOULEVARD HOBART, WI 54155
920-662-9641 www.releeinc.com

SHEET NO. 2



LEGEND

- CONCRETE PAVEMENT (1,006 S.F.)
- ASPHALT PAVEMENT (11,134S.F.)
- LANDSCAPE AREA
- GREEN SPACE
- PROPOSED 18" STANDARD CURB AND GUTTER
- PROPOSED 18" STANDARD SHEDDING CURB AND GUTTER
- PROPOSED 18" MOUNTABLE CURB AND GUTTER
- PROPOSED 18" MOUNTABLE SHEDDING CURB AND GUTTER
- TRAFFIC FLOW ARROW
- HANDICAPPED PARKING
- (12) INDICATES NUMBER OF PARKING STALLS

*NOTE: ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS NOTED OTHERWISE

LEGAL DESCRIPTION

All of Lot 6, Maritime Landing, Hanger 566, Document Number 722148 and all of Lot 4, Volume 14 of Certified Survey Maps, Page 235, Map Number 2414, Document Number 719627, being part of the Northwest 1/4 of the Southwest 1/4 and part of the Southwest 1/4 of the Southwest 1/4, all part of Section 12, Township 27 North, Range 25 East, City of Sturgeon Bay, Door County, Wisconsin more fully described below:

Commencing at the Southwest corner of said Section 12; thence S88°35'07"E, 665.27 feet on the south line of said Southwest 1/4; thence N01°09'05"E, 368.01 feet on the southerly extension of the east right of way of Grant Avenue to the southwest corner of said Lot 4, the POINT OF BEGINNING; thence continuing on said east right of way to the northwest corner of said Lot 6; thence S88°50'55"E, 169.93 feet on the north line of said Lot 6 to the northeast corner thereof; thence S00°22'22"W, 956.16 feet on the east line of said Lot 6 and continuing on the east line of said Lot 4 to the southeast corner of said Lot 4; thence N88°50'57"W, 182.92 feet on the south line of said Lot 4 to the Point of Beginning.

Said parcel contains 168,676 square feet or 3.872 acres of land more or less subject to easements and restrictions of record.

NOTE

ALL DISTURBED AREAS SHALL BE TOPSOILED TO A DEPTH OF 6 INCHES, SEEDED AND MULCHED. AREA TO BE RAKED FREE OF STONES AND CLUMPS.

PARKING DATA

TOTAL PARKING STALLS PROVIDED = 38 — 18 SURFACE STALLS, 20 COVERED STALLS

HANDICAP ACCESSIBLE PARKING STALLS = 1

TOTAL PARKING STALLS REQUIRED = 24

SITE DATA

TOTAL AREA = 1.28 ACRES, 55,768 S.F.

BUILDING AREA = 0.28 ACRES, 12,256 S.F. (21.9%)

SIDEWALK/PARKING LOT AREA = 0.28 ACRES, 12,140 S.F. (21.8%)

GREEN SPACE = 0.72 ACRES, 31,372 S.F. (56.3%)

ZONING

GENERAL COMMERCIAL

PARCEL NO.

2816612003301D

CONSTRUCTION CLASSIFICATION

TYPE U-A W/ SPRINKLER

0' 20' 40'

SCALE IN FEET

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

DRAWN LLP
CHECKED —
DESIGNED JSG

MULTI-FAMILY DEVELOPMENT FOR
LEXINGTON HOMES
CITY OF STURGEON BAY
DOOR COUNTY, WISCONSIN

SITE PLAN

DATE 07/2021
FILE 4329135D
JOB NO. 4329135

Robert E. Lee & Associates, Inc.
ENGINEERING, SURVEYING, ENVIRONMENTAL SERVICES
1250 CENTENNIAL CENTRE BOULEVARD HOBART, WI 54155
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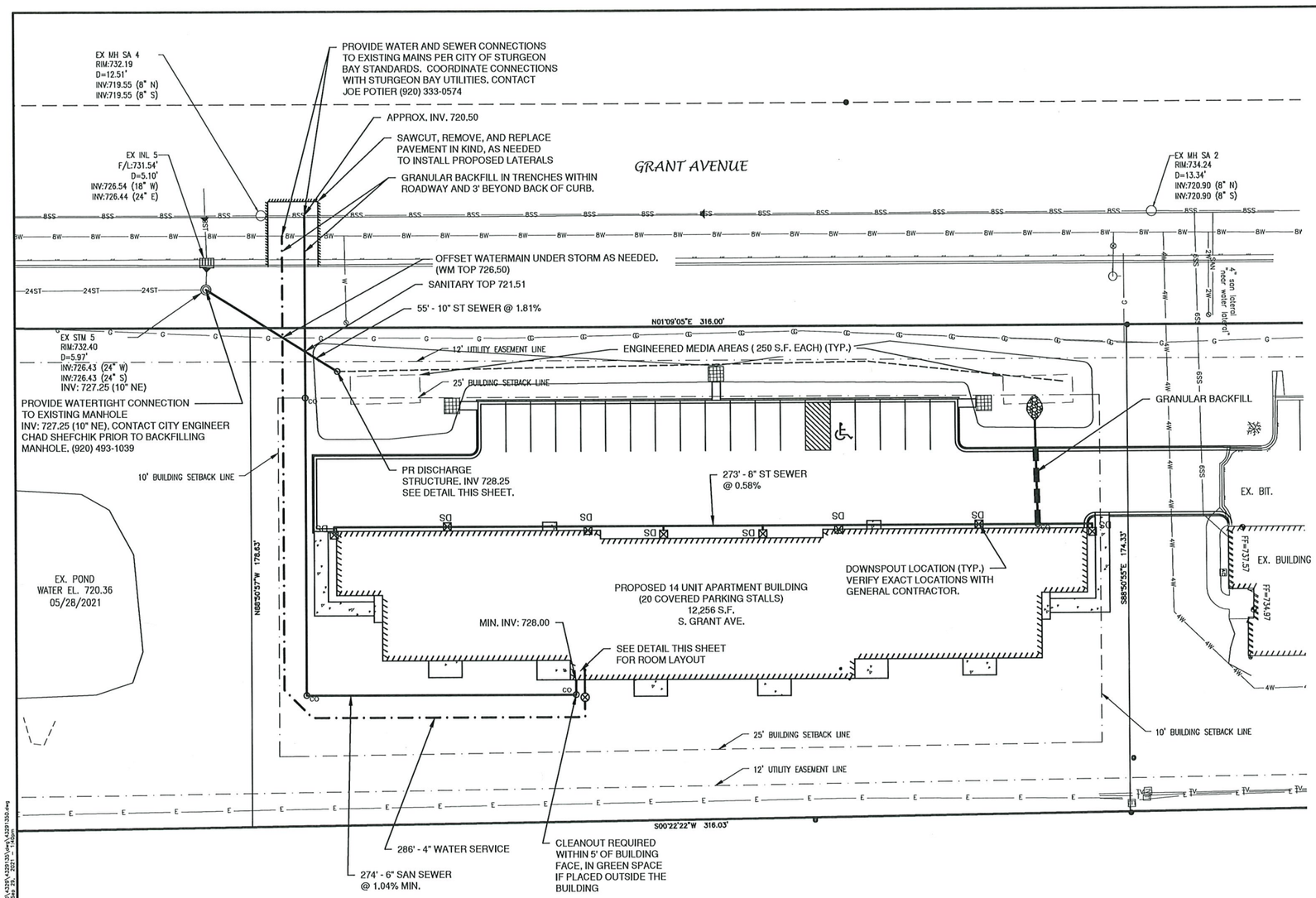
SHEET NO. 3



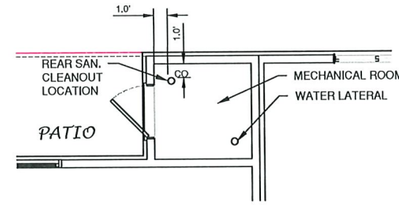
LEGEND

- PROPOSED SANITARY SEWER
- 8SS — EXISTING SANITARY SEWER (SIZE NOTED)
- PROPOSED STORM SEWER
- 10ST — EXISTING STORM SEWER (SIZE NOTED)
- PROPOSED WATERMAIN
- 6W — EXISTING WATERMAIN (SIZE NOTED)

PROPOSED	EXISTING	
		FIRE HYDRANT
		WATER VALVE/CURB STOP
		WATER MANHOLE
		REDUCER/INCREASER
		SANITARY MANHOLE
		LIFT STATION
		TRACER WIRE SIGNAL CONNECTION BOX
		CLEANOUT
		STORM MANHOLE
		STORM CATCH BASIN
		STORM INLET
		STORM INLET MANHOLE
		YARD DRAIN
		STANDPIPE
		ROOF DOWNSPOUT
		DISCHARGE STRUCTURE

NOTE

1. A MINIMUM OF 6.5 FEET OF COVER SHALL BE MAINTAINED OVER ALL WATERMAIN.
2. SANITARY SEWER, WATERMAIN AND STORM SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN AND ADMINISTRATIVE CODE CHAPTERS COMM 81-87.
3. FIELD VERIFY LOCATION OF EXISTING UTILITIES. IF EXISTING LOCATIONS DIFFER FROM WHAT IS INDICATED ON THE PLANS, **CONTACT ENGINEER,** PRIOR TO CONTINUED WORK.
4. ALL SANITARY SEWER, STORM SEWER AND WATER SERVICES / MAINS SHALL BE PROVIDED WITH TRACER WIRE OR OTHER METHOD TO BE LOCATED.



14-UNIT WATER LATERAL DETAIL

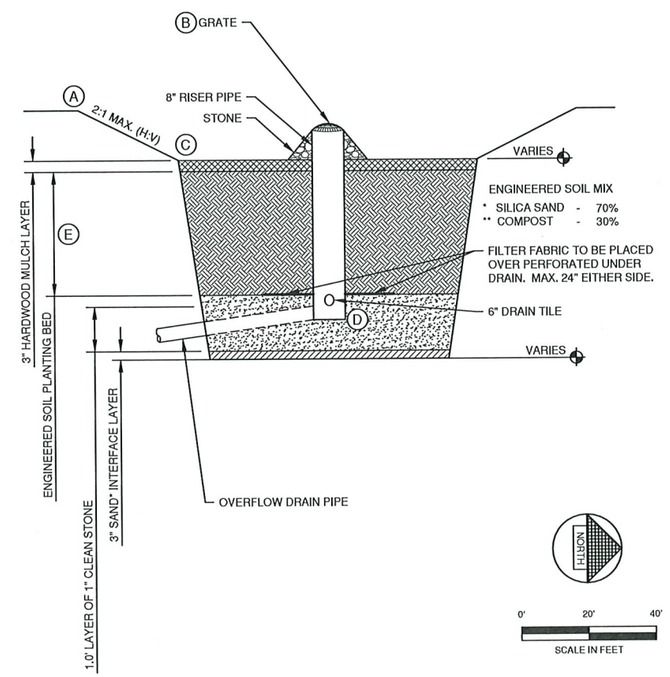
CONSTRUCTION SEQUENCING AND OVERSIGHT:
A PERSON TRAINED AND EXPERIENCED IN THE CONSTRUCTION, OPERATION AND MAINTENANCE OF INFILTRATION DEVICES SHALL BE RESPONSIBLE FOR CONSTRUCTION OF THE DEVICE. THE FOLLOWING APPLY:

1. CONSTRUCTION SITE STABILIZATION - CONSTRUCTION SITE RUNOFF FROM DISTURBED AREAS SHALL NOT BE ALLOWED TO ENTER THE BIORETENTION DEVICE. RUNOFF FROM PERVIOUS AREAS SHALL BE DIVERTED FROM THE DEVICE UNTIL THE THE PERVIOUS AREAS HAVE UNDERGONE ***FINAL STABILIZATION***.
2. SUITABLE WEATHER - CONSTRUCTION SHALL BE SUSPENDED DURING PERIODS OF RAINFALL OR SNOWMELT. CONSTRUCTION SHALL REMAIN SUSPENDED IF PONDED WATER IS PRESENT OR IF WATER IS PRESENT OR IF RESIDUAL SOIL MOISTURE CONTRIBUTES SIGNIFICANTLY TO THE POTENTIAL FOR SOIL SMEARING, CLUMPING OR OTHER FORMS OF COMPACTION.
3. COMPACTION AVOIDANCE - COMPACTION AND SMEARING OF THE SOILS BENEATH THE FLOOR AND SIDE SLOPES OF THE BIORETENTION AREA, AND COMPACTION OF THE SOILS USED FOR BACKFILL IN THE SOIL PLANTING BED, SHALL BE MINIMIZED. DURING SITE DEVELOPMENT, THE AREA DEDICATED TO THE BIORETENTION DEVICE SHALL BE CORDONED OFF TO PREVENT ACCESS BY ***HEAVY EQUIPMENT***. ACCEPTABLE EQUIPMENT FOR CONSTRUCTING THE BIORETENTION DEVICE INCLUDES EXCAVATION HOES, LIGHT EQUIPMENT WITH TURF TYPE TIRES, MARCH EQUIPMENT OR WIDE-TRACK LOADERS.
4. COMPACTION REMEDIATION - IF COMPACTION OCCURS AT THE BASE OF THE BIORETENTION DEVICE, THE SOIL SHALL BE REFRACTURED TO A DEPTH OF AT LEAST 12 INCHES. IF SMEARING OCCURS, THE SMEARED AREAS OF THE INTERFACE SHALL BE CORRECTED BY RAKING OR ROTO-TILLING.
5. PLACEMENT AND SETTLING OF ENGINEERED SOIL - THE FOLLOWING APPLY:
   A. PRIOR TO PLACEMENT IN THE BIORETENTION DEVICE, THE ENGINEERED SOIL SHALL BE PRE-MIXED AND THE MOISTURE CONTENT SHALL BE LOW ENOUGH TO PREVENT CLUMPING AND COMPACTION DURING PLACEMENT.
   B. THE ENGINEERED SOIL SHALL BE PLACED IN MULTIPLE LIFTS, EACH APPROXIMATELY 12 INCHES IN DEPTH.
   C. STEPS MAY BE TAKEN TO INDUCE MILD SETTLING OF THE ENGINEERED SOIL BED AS NEEDED TO PREPARE A STABLE PLANTING MEDIUM AND TO STABILIZE THE PONDING DEPTH. VIBRATING PLATE-STYLE COMPACTORS SHALL NOT BE USED TO INDUCE SETTLING.
6. PLANTING - THE ENTIRE SOIL PLANTING BED SHALL BE MULCHED PRIOR TO PLANTING VEGETATION TO HELP PREVENT COMPACTION OF THE PLANTING SOIL DURING THE PLANTING PROCESS. MULCH SHALL BE PUSHED ASIDE FOR THE PLACEMENT OF EACH PLANT.

NOTE:
* SILICA SAND SHALL MEET THE REQUIREMENTS OF WDNR TECHNICAL STANDARD 1004, BIORETENTION FOR INFILTRATION.

** COMPOST SHALL MEET THE REQUIREMENTS OF WDNR SPECIFICATION S100.

(A) TOP ELEVATION	(B) STAND PIPE RIM	(C) BOTTOM AREA (S.F.), ELEV.	(D) DISCHARGE PIPE INV.	(E) ENGINEERED SOIL DEPTH
733.00	732.00	2,372, 731.00	728.25	2.0'



BIORETENTION POND DETAIL

NORTH

0' 20' 40'
SCALE IN FEET

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

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CHECKED —
DESIGNED JSG

MULTI-FAMILY DEVELOPMENT FOR
LEXINGTON HOMES
CITY OF STURGEON BAY
DOOR COUNTY, WISCONSIN

UTILITY PLAN

DATE 07/2021
FILE 4329135D
JOB NO. 4329135

Robert E. Lee & Associates, Inc.
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920-662-9641 www.releeinc.com

SHEET NO. 4

GRANT AVENUE

N01°09'05"E 316.00'

S00°22'22"W 316.03'

12' UTILITY EASEMENT LINE

25' BUILDING SETBACK LINE

10' BUILDING SETBACK LINE

PROPOSED 14 UNIT APARTMENT BUILDING
(20 COVERED PARKING STALLS)
12,256 S.F.
S. GRANT AVE
F.F. EL.- 734.25
GARAGE OPENING 734.04

EX. POND
WATER EL. 720.36
05/28/2021

EX. BUILDING

EX. BIT.

4" sch. lateral near water lateral

LEGEND

T/C 999.99	TOP OF CURB ELEVATION
F/L 888.88	FLOW LINE ELEVATION
S/W 666.66	TOP OF SIDEWALK ELEVATION
E/P 555.55	EDGE OF PAVEMENT ELEVATION
R/W 444.44	TOP OF RETAINING WALL ELEVATION
333.33	GROUND ELEVATION
	DRAINAGE SWALE
	DRAINAGE DIVIDE
	FLOW ARROW

NORTH

0' 20' 40'
SCALE IN FEET

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

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MULTI-FAMILY DEVELOPMENT FOR
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CITY OF STURGEON BAY
DOOR COUNTY, WISCONSIN

GRADING PLAN

DATE 07/2021
FILE 4329135D
JOB NO. 4329135

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SHEET NO. 5

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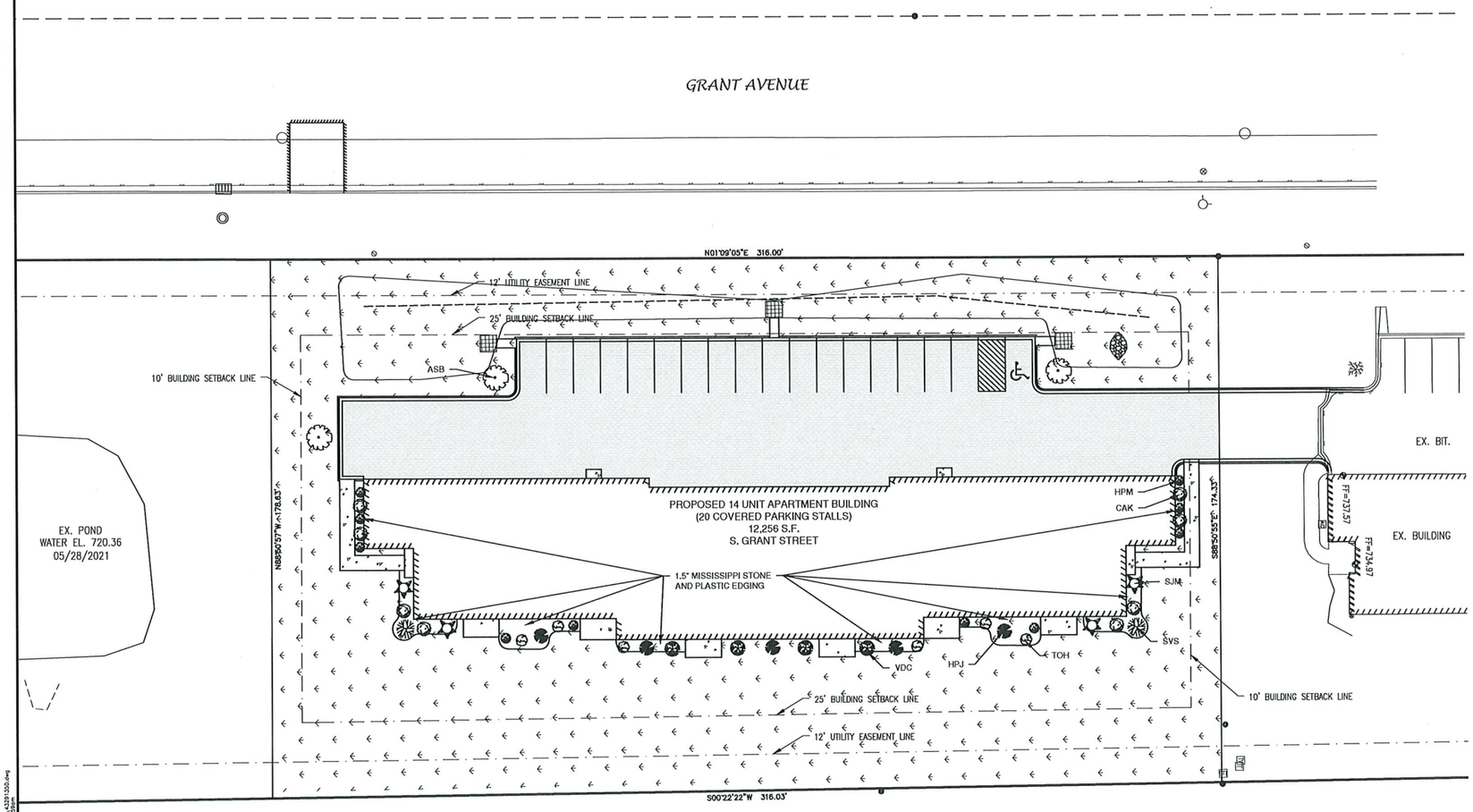
Plot Date: Sep 29, 2021 - 1:45pm
LAYOUT: GRADING



GENERAL NOTES

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION / CONSTRUCTION.
2. ALL PLANTINGS SHALL MEET THE CITIES STANDARDS
3. ALL AREAS SHOWN AS GREEN SPACE TO BE TOPSOILED TO A DEPTH OF 6 INCHES. RAKE FREE OF STONES AND CLUMPS. ALL AREAS NOT SHOWN WITH LANDSCAPE BEDS TO BE SEEDED AND MULCHED FOR LAWN. MULCH SHALL BE HELD IN PLACE BY CRIMPING OR BY USE OF A TACKIFIER.
4. ALL TREES TO BE STAKED WITH A MINIMUM OF 3 STAKES.
5. COORDINATE LANDSCAPE WORK WITH ALL TRADES (EXAMPLE: GAS, ELECTRIC, CABLE AND TELEPHONE.).

NOTE

ADDITIONAL INTERNAL TREES BY LANDSCAPER, COORDINATE WITH OWNER

COUNT	MARK	LATIN NAME	COMMON NAME	SIZE
TREES				
3	ASB	Acer Saccharum 'Bailsta'	Fall Fiesta Sugar Maple	1.5" CAL
SHRUBS				
5	HPJ	Hydrangea Paniculata 'Jane'	Little Lime Hydrangea	3 Gal.
4	SJM	Spiraea Japonica 'Magic Carpet'	Magic Carpet Spirea	3 Gal.
2	SVS	Syringa Vulgaris 'Sensation'	Sensation Lilac	5 Gal.
4	VDC	Viburnum Dentatum 'Chrystom'	Blue Muffin Viburnum	5 Gal.
6	TOH	Thuja Occidentalis 'Hetz Midget'	Hetz Midget Arborvitae	5 Gal.
ORNAMENTAL GRASSES				
8	CAK	Calamagrostis Acutiflora 'Karl Foerster'	Grass, Feather Reed	1 Gal.
PERENIALS				
10	HPM	Hemerocallis 'Pardon Me'	Pardon Me Daylily	1 Gal.

NORTH

0' 20' 40'

SCALE IN FEET

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

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CHECKED ---
DESIGNED JSG

MULTI-FAMILY DEVELOPMENT FOR
LEXINGTON HOMES
CITY OF STURGEON BAY
DOOR COUNTY, WISCONSIN

LANDSCAPING PLAN

DATE 07/2021
FILE 4329135D
JOB NO. 4329135

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SHEET NO. L

File: R:\4300\4329\4329135\4x4\4329135D.dwg
Plot Date: Sep 28, 2021 - 1:36pm
LAYOUT: LANDSCAPING

COMPOSITE DRIVE ELEVATION

SCALE: 1/8" = 1'-0"

DETAILED DRIVE ELEVATION

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

SIDE ELEVATION

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

PRELIMINARY FOR BID ONLY

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14 Unit @ Harbor Ridge II

Townhome with Attached Garages

Sturgeon Bay, Wisconsin

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DATE
9/14/2021

PROJECT NO.
461487

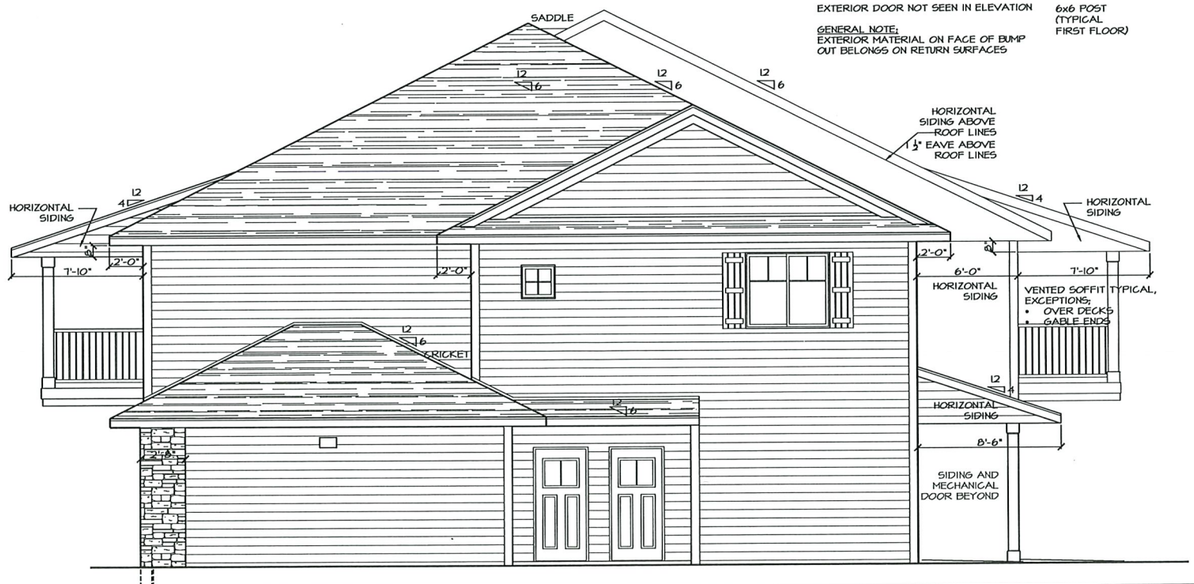
SHEET
A 1.1

COMPOSITE PORCH ELEVATION

SCALE: 1/8" = 1'-0"

DETAILED PORCH ELEVATION

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



SIDE ELEVATION

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

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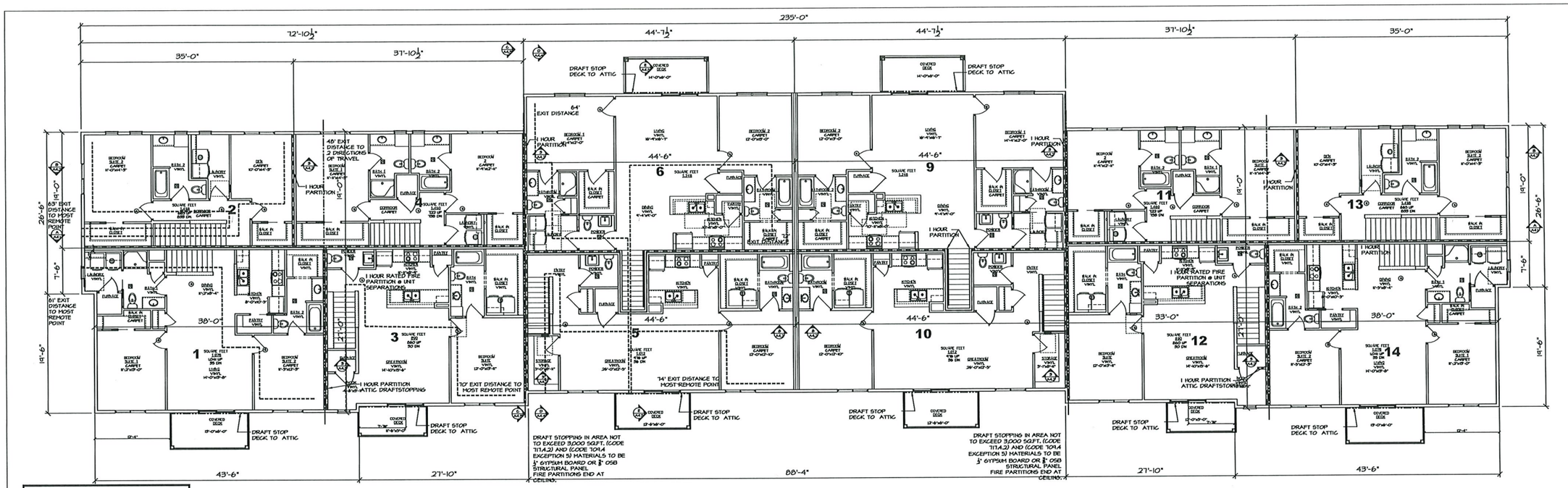
SHEET
A 1.2

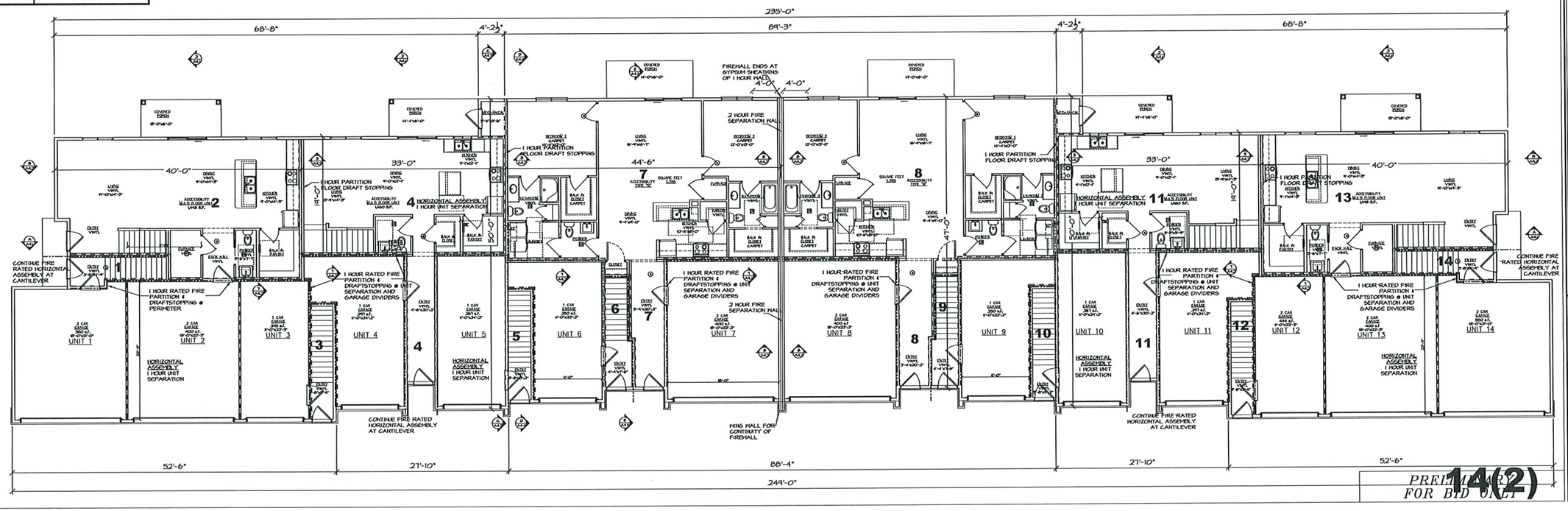


SAFETY PLAN LEGEND

SYMBOL	ITEM
	DRAFT STOPPING
	1 HOUR RATED FIRE PARTITION
	2 HOUR RATED FIRE SEPARATION
	EXIT DISTANCE AND ROUTE

FLOOR PLANS

SCALE: 1/8" = 1'-0"



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14 Unit @ Harbor Ridge II

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Sturgeon Bay, Wisconsin

14 Townhomes - # 461487

Date, 2021

REVISION	DATE
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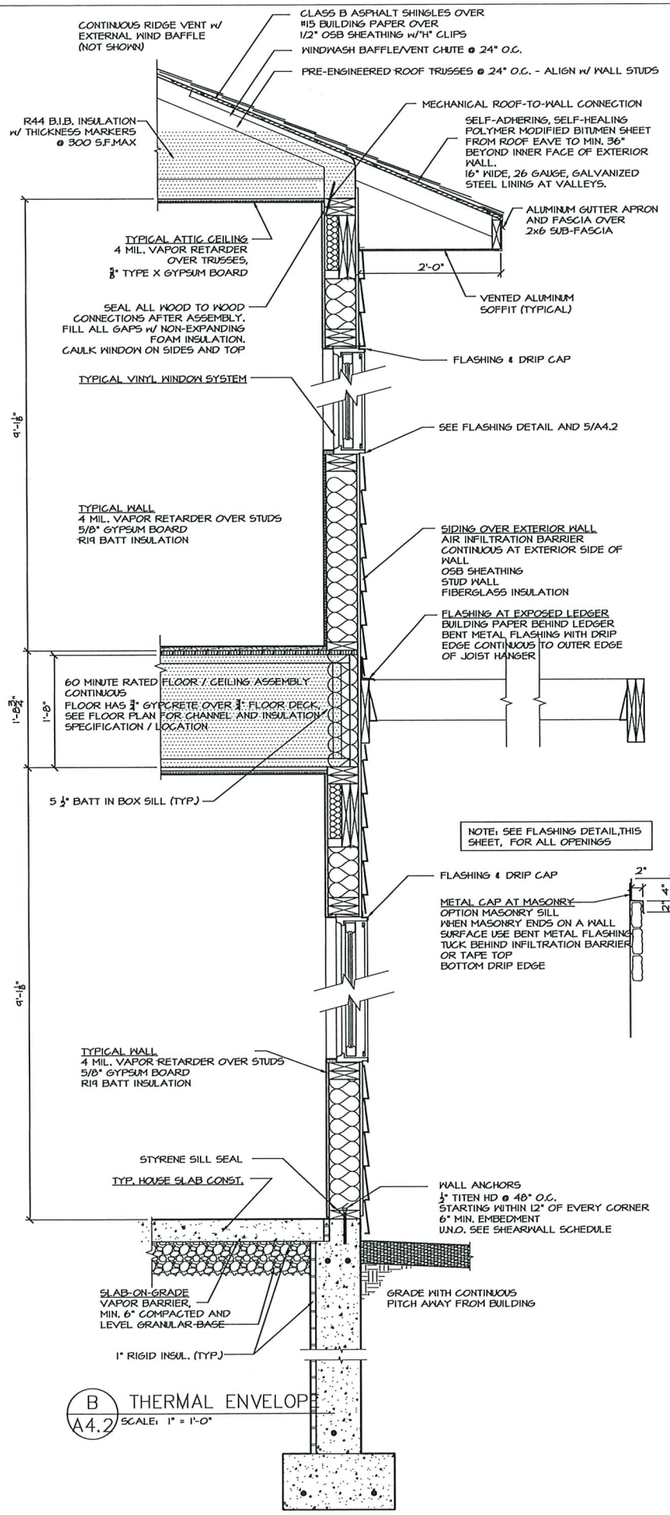
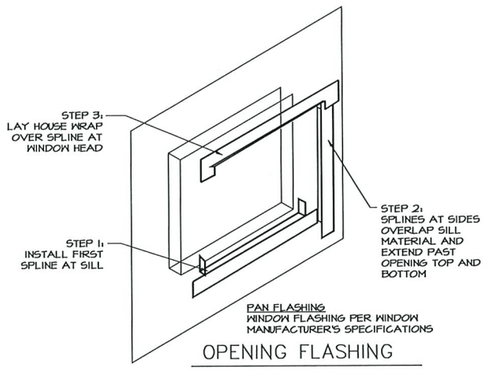
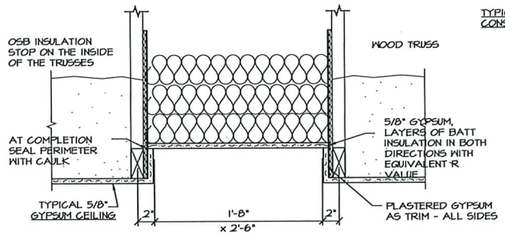
DATE 9/14/2021
PROJECT NO. 461487
SHEET A 2.1



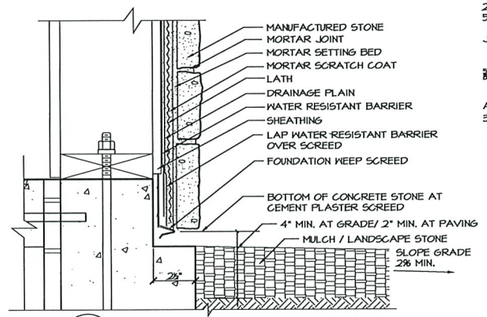
B A4.2 THERMAL ENVELOPE
SCALE: 1" = 1'-0"



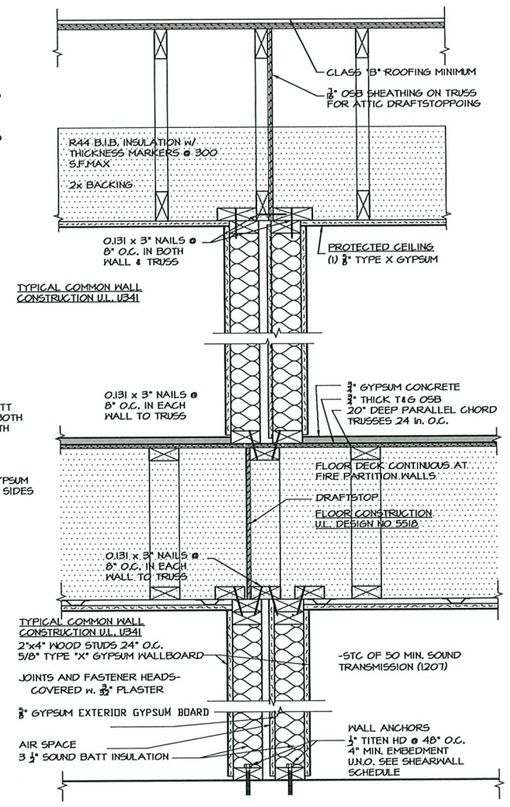
OPENING FLASHING
NOT TO SCALE



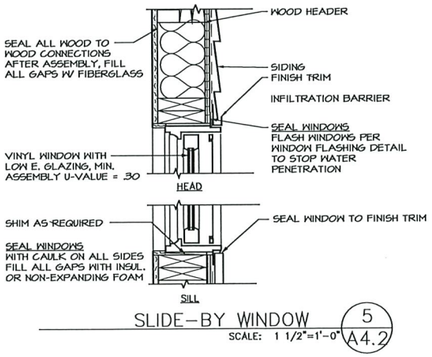
1 A4.2 ATTIC SCUTTLE PANEL
SCALE: 1 1/2" = 1'-0"



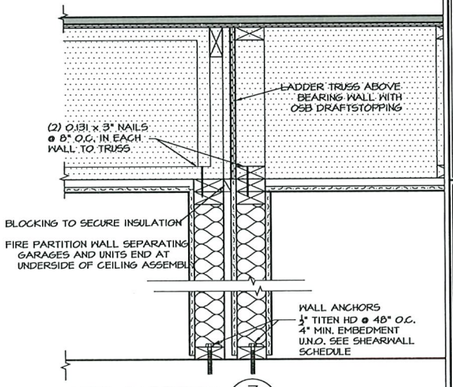
2 A4.2 FOUNDATION WALL BASE
SCALE: 3" = 1'-0" @ MASONRY



RATED SYSTEMS @ DWELLING PARTY WALLS
1 HOUR FIRE PARTITION
SCALE: 1 1/2"=1'-0"
3 A4.2



SLIDE-BY WINDOW
SCALE: 1 1/2"=1'-0"
5 A4.2



FIRE PARTITION
SCALE: 1 1/2"=1'-0"
7 A4.2

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14 Unit @ Harbor Ridge II

Townhome with Attached Garages

Sturgeon Bay, Wisconsin

14 Townhomes - # 461407
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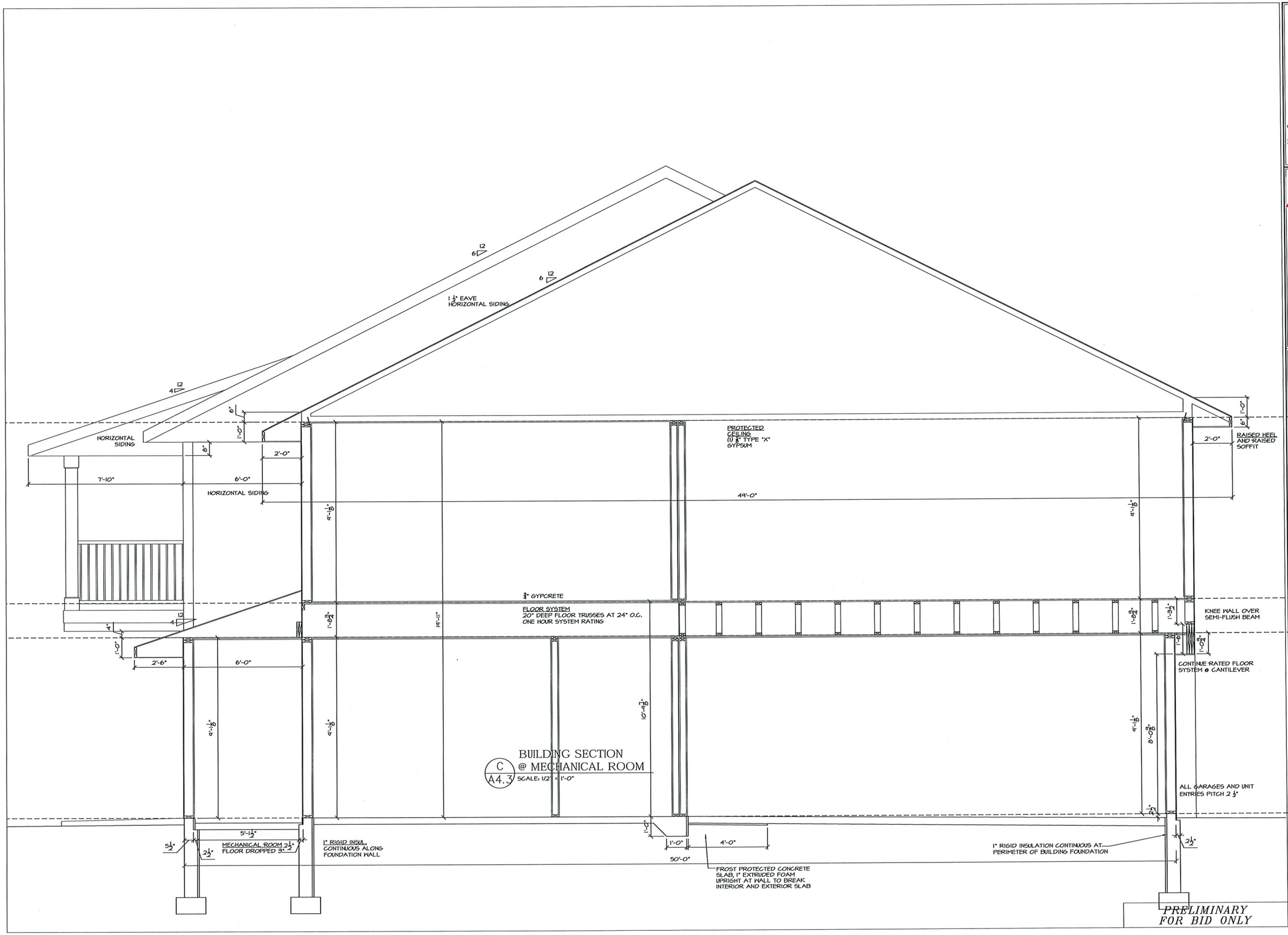
PROJECT NO. 461407

SHEET **A 4.2**



C / A4.3 BUILDING SECTION @ MECHANICAL ROOM
SCALE: 1/2" = 1'-0"

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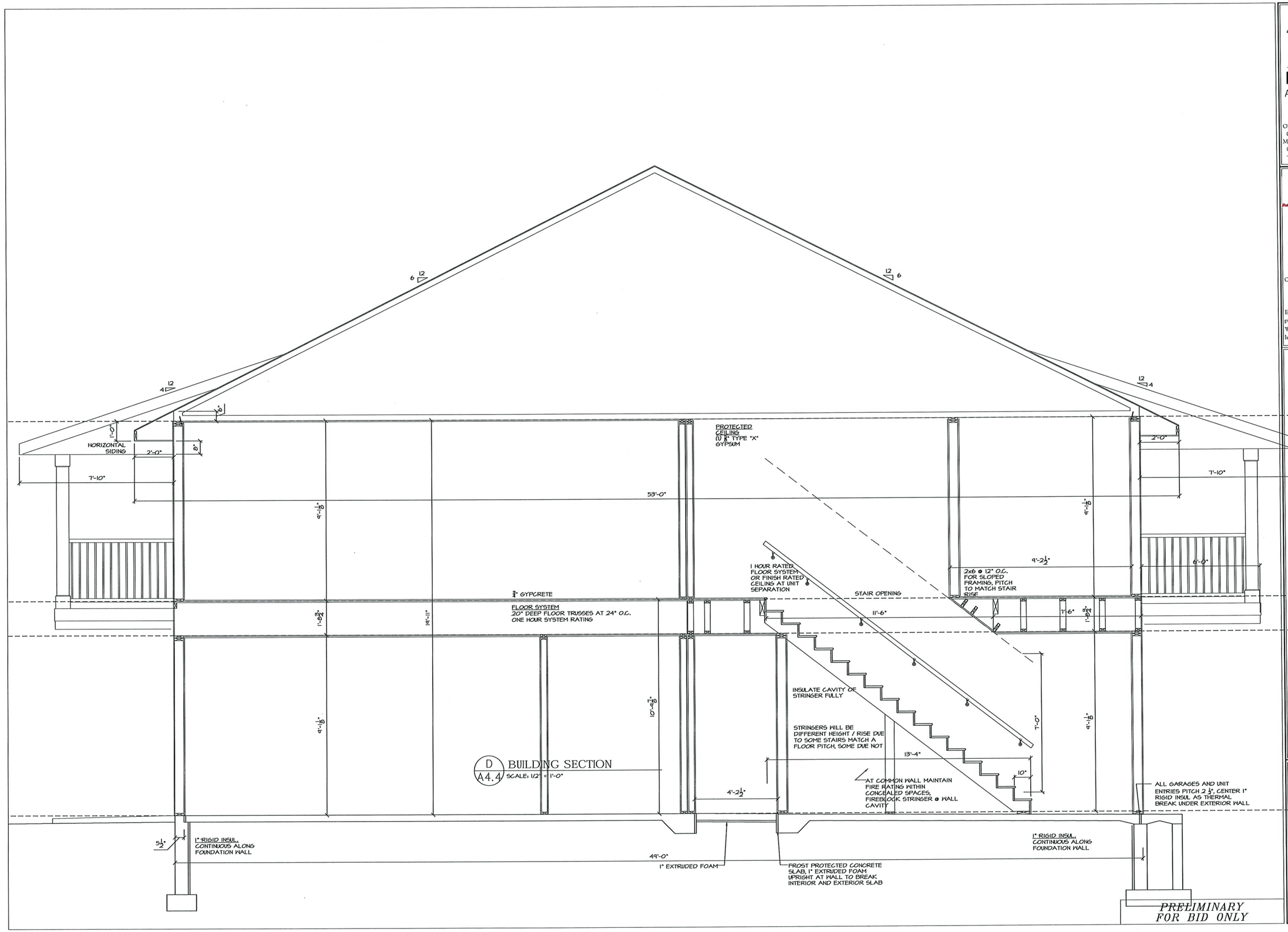
SHEET
A
4.3



D
A4.4
BUILDING SECTION
SCALE: 1/2" = 1'-0"

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Sturgeon Bay, Wisconsin

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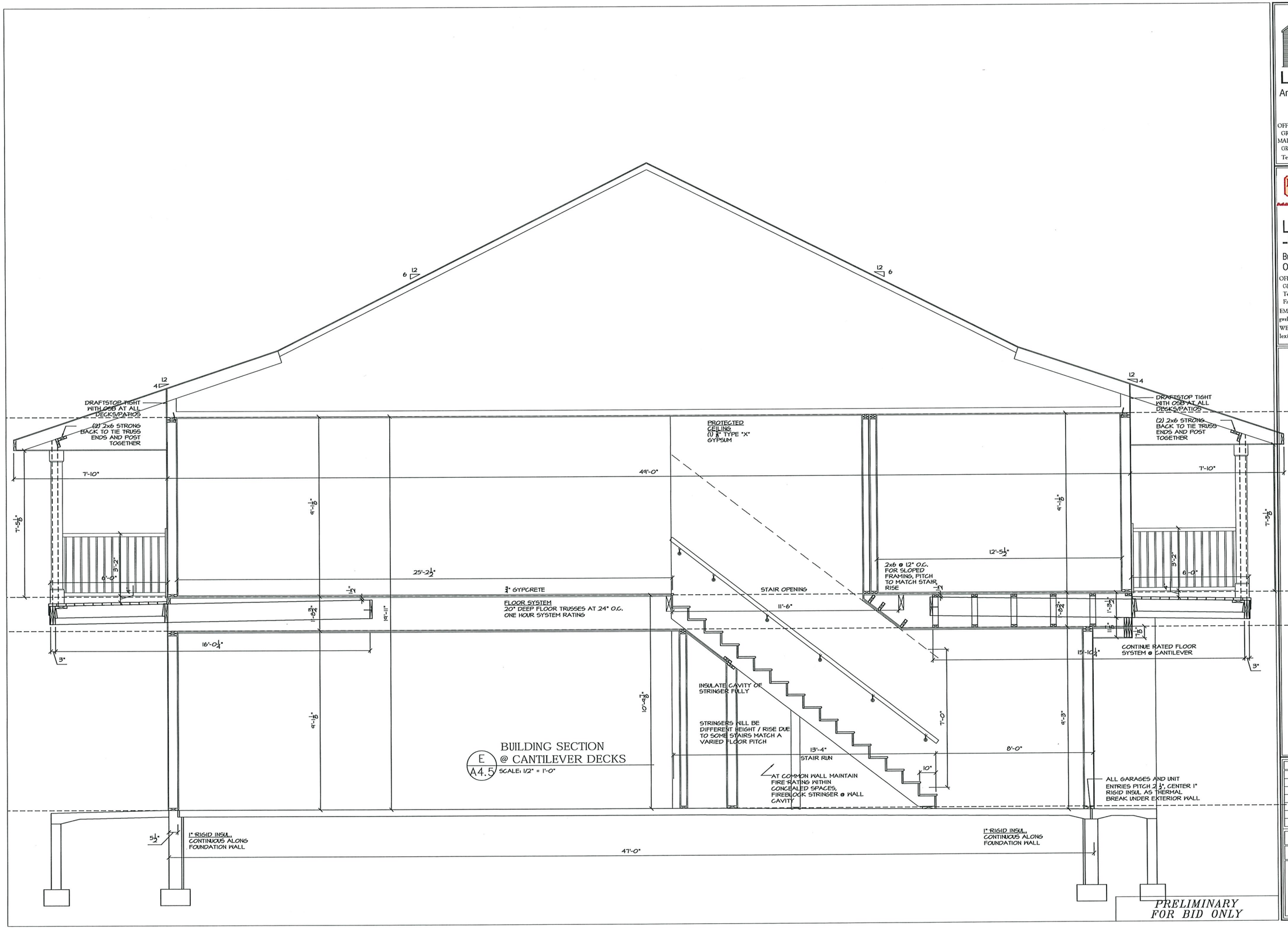
SHEET
A
4.4



BUILDING SECTION @ CANTILEVER DECKS

E / A4.5

SCALE: 1/2" = 1'-0"

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Sturgeon Bay, Wisconsin

14 Townhomes - # 461487

Date, 2021

REVISION	DATE
X	X

DATE 9/14/2021

PROJECT NO. 461487

SHEET A 4.5

A. DESIGN LOADS

1. Building Code - International Building Code 2009, WI SPS 362
2. Building Category II
   Ie=1.0
   Is=1.0
   Ia=1.0
3. Floor Dead Load = 20 psf
4. Floor Live Load
   Residential
   Units=40 psf = 40 psf
   Public Rooms and Corridors = 100 psf
5. Roof Dead Load = 18 psf
6. Snow Load: Ground snow Pg = 50 psf
   Ce = 1.0 Ct = 1.1 Cs = 1.0
   Snow load PF = Pgx0.7CIsxCexCtxCs = 39 psf (Typ)
   Ce = 1.0 Ct = 1.2 Cs = 1.0
   Snow load PF = Pgx0.7CIsxCexCtxCs = 41 psf (Canopy)
   Unbalanced Snow Load as per Wisconsin Comm 62.1608 = 50 psf
7. Seismic requirements
   Site Class = D
   SDS = .053 SD1 = .051 Seismic Design Category = A
   Seismic Base Shear = 5300 lbs
   Seismic analysis procedure = Minimum
8. Wind Loads (Simplified Method)
   Wind Speed = 90 MPH
   Exposure Category = C

B. SPECIFIED MATERIAL STRENGTHS

1. Poured-in-place Concrete, f'c
   Slab-on-grade 3500 psi @ 28 days 1" stone
   Walls / piers 4000 psi @ 28 days
   Foundations 3000 psi @ 28 days 1½" stone
   Exposed 3000 psi @ 28 days
   Air Entrained 5-7%
2. Reinforcing Steel ASTM A615 Fy = 60 ksi
3. Welded Wire Fabric ASTM A185 Fy = 65 ksi
4. Structural Steel (UNO) ASTM A992
5. Steel Tubing ASTM A500, Grade B
6. Miscellaneous ASTM A36
7. Bolts for Structural Connections ASTM A325, Type N
8. Anchor Bolts ASTM A1554-36
9. Masonry Grout, f'c 2500 psi @ 28 days
10. Masonry Running Bond, f'm 135 psi
11. Allowable Soil Bearing Pressure 2000 psf
12. Welding Electrodes 3000 E70

C. FOUNDATIONS

1. If there is a question regarding the soils, a Geotechnical Engineer, hired by the owner, shall inspect each footing excavation and shall confirm that the actual soil conditions meet or exceed the design pressure.
2. Remove all topsoil and other soils containing organics from beneath floor slabs and foundations. Proof roll exposed sub grades under direction of the Geotechnical Engineer. Remove all soft or loose soils detected by proof rolling and replace with specified fill on a unit price basis.
3. Provide a minimum of 4'-0" of soil cover above the bottom of all footings exposed to the weather or unheated spaces.
4. Provide sufficient temporary protection to prevent all exposed footing sub grades from freezing and all footings with less than 4'-0" of soil cover from heaving. Do not place concrete or backfill over frozen soil.
5. The Contractor shall slope the bottom of the excavation to a temporary sump pit to keep accumulated groundwater and surface runoff away from the foundation bearing stratum. Pump groundwater out of the excavation before placing backfill. Do not allow the water to stand in the excavation and soften the soils at or below bearing level.
6. The sidewalls of all excavations shall be properly sloped, sheeted and braced in accordance with OSHA regulations and other procedures to provide safe working conditions. The responsibility for safe working conditions is solely that of the Contractor.
7. Center all wall footings on walls unless noted otherwise. Center all column footings and piers on columns unless otherwise noted.
8. Backfill walls with even lifts on alternate sides to prevent excessive horizontal load on walls.
9. When excavating adjacent to an existing structure, use shoring as required to prevent undermining of the existing foundations.
10. When backfilling walls, maintain adequate shoring until supporting elements are poured and cured.
11. No holes, trenches or other disturbances of the soil below footings, other than shown on structural plans, will be allowed within the volume described by lines sloping downward at 45 degrees to the horizontal from the bottom edges of of the footings.
12. Specified compacted granular fill shall be well graded pit run sand and gravel mixture with no more than 8% passing a No. 200 sieve. Fill shall be free of shale, clay, friable material and debris.
    Compact fill to 95% Modified Proctor under footings and 90% under slabs.

D. CONCRETE

1. Proportioning of materials shall be in accordance with ACI 211.1- Latest "Recommended Practice for Selecting Proportions for Normal, Heavyweight and Mass Concrete." Maximum aggregate size shall be 1-1/2" for footings, 3/4" for slabs, walls and columns and 3/8" for toppings. Minimum cement content for floors shall be 5-1/2 bags of cement per cubic yard. Maximum water-cement ratio 0.45. Proportion concrete mixes for a 3" to 4" slump.
   Provide an approved Air Entraining Admixture conforming to ASTM C260 and ACI 318-89 table 4.4.1 for all concrete exposed to freeze thaw conditions.
   All concrete mixes may contain an approved non-chloride Water Reducing Admixture in accordance with ASTM C494, Type A. All concrete mixes shall contain a Water-Reducing Admixture except where other Water-Reducing type Admixture is required in the same concrete mix.
   Provide an approved non-chloride non-corrosive Accelerator conforming to ASTM C494, Type C or E for all concrete flatwork poured at an ambient temperature of less than 50 degrees F.
   Provide an approved Water-Reducing Retarding Admixture conforming to ASTM C494, Type D for all concrete flatwork poured at an ambient temperature of 80 degrees F or higher.
   Where more than one admixture is used in a concrete mix, provide substantiating data that indicates that these admixtures are compatible without producing detrimental or unpredictable results. Use admixtures from one manufacturer only provide the proper admixture quantities based upon total cementitious materials in accordance with the manufacturer's recommendations to achieve the desired results for specific site conditions and concrete materials. Maximum water soluble chloride ion concentrations in hardened concrete at an age of 28 days contributed from all ingredients including water, aggregates, cementitious materials and admixtures shall not exceed 0.10 percent.
2. Submit two copies of proposed mix designs to the Structural Engineer.
   Provide sufficient time in the construction schedule to allow a minimum of five full working days of review period in the Engineer's office.
3. A Testing Firm, hired and paid for by the Contractor shall conduct concrete testing
   a. Four standard cylinders for each 50 cubic yards or 5000 square feet of wall or slab or fraction thereof of each mix design placed in any one day. Test one cylinder at 7 days and one at 14 days for information and the other two at 28 days for acceptance. Comply with ASTM C172-21, C31-69 and C39-72.
   b. Slump test for each pour. Comply with ASTM C143-78.
   c. Air content test for each corresponding set of cylinders. Comply with ASTM C231-78.
   d. The contractor shall pay for all additional testing required for concrete suspected of non compliance.
4. Convey concrete to point of use and deposit continuously in level layers to prevent separation of grout and aggregate. Work the concrete thoroughly around reinforcement, embedded fixtures, and into the corners of forms. Do not deposit concrete in free standing water, loose dirt, rubbish or other foreign matter. Proceed with concreting at such a rate that the concrete is plastic at all times and flows readily into the spaces between the bars. Do not retemper concrete. Use an approved method of vibration.
5. Use "Confilm" by Master Builders or equal on all flatwork constructed without protection of walls and roof.
6. Protect all concrete and grout from premature drying, excessively hot or cold temperature, and mechanical injury. Maintain concrete and grout with minimum moisture loss at relatively constant temperature for the required curing period. When the mean daily ambient temperature is less than 40 degrees F, provide temporary heat, insulating blankets, etc. So as to maintain the temperature of the concrete and grout at a minimum of 50 degrees F for 7 days.
   Provide adequate venting for equipment exhaust.
7. Cure concrete and grout such that the maximum moisture loss does not exceed 0.55 kg/m2 in 72 hours when tested in accordance with ASTM C156-80. Approved methods include approved curing compounds or soaking with water and covering with polyethylene sheets. Water cure slabs to receive toppings, grout beds, resinous flooring or other special coatings.
8. Seal all exterior concrete with Master Builders "GP" after the full curing period.
9. Provide saw-cut control joints in each direction for all slabs on grade. Control joint spacing shall not exceed 24'-0" nor 36 times the slab thickness unless otherwise shown. Control joint spacing shall not be less than 2/3 nor more than 1-1/2 times the spacing of the width of the slab in the other direction.
10. Carefully examine architectural, mechanical, electrical and equipment drawings before each concrete pour to include all cast-in items, anchorage devices, block outs, sleeves, depressions, and other special requirements.
11. Conduit and pipes embedded in concrete shall conform to ACI 318-89 Section 6.3.

E. MASONRY

1. Hollow concrete block masonry units shall conform to ASTM C90, Grade N f'm = 1500 psi
2. Use Type "M" mortar for below grade masonry. Use Type "M" or "S" mortar for above grade load bearing walls, shear walls and exterior walls.
   Use Type "N" mortar for interior non-load bearing walls and partitions.
3. Grout for bond beams and vertical cores shall have a minimum compressive strength of 2500 psi @ 28 days.
4. Masonry walls shall be adequately braced during construction to resist backfill and wind forces.
5. Fill masonry solid with grout full height below all lintel bearings.
6. Fill masonry cores with grout at locations which require embedded or drilled- anchors or bolts.
7. Provide horizontal ladder type wire reinforcing @ 16" o.c. Masonry joint reinforcement and brick shelf angles shall be discontinuous at vertical control joints and expansion joints.
8. Lap splice all reinforcing bars in masonry 48 bar diameters.
9. All vertical reinforcement shall be doweled to the foundation and extend 6" into the bond beam at the top of the wall.
10. Where one reinforcing bar is placed in a single core, it shall be centered in the wall. Where two reinforcing bars are placed in a single core, place bars in separate layers, 2" clear from the outside of each face. Provide bar spacers to rigidly hold vertical reinforcement in place.
11. Fill block cores at vertical reinforcing steel with grout, rodded or vibrated in place.
12. Masonry shall be laid to a maximum height of 4'-0" before placement of grout.
13. Construct all non-load bearing masonry walls 1" clear of structural members and deck. Pack void with fiberglass insulation.
14. Provide an 8" deep continuous bond beam at all floors and roofs. Use (2) #4's in bond beam.

F. REINFORCING STEEL

1. Submit one reproducible copy, if needed, of each shop drawing to the Engineer for approval. Provide sufficient time in construction schedule to allow a minimum of five full working days of review period in the Engineer's office.
2. Provide bolsters, chairs, dowel blocks, standees and #4 support bars as required to support specified reinforcement at spacings not to exceed 4'-0" in either direction. Tie securely together to hold steel in position.
3. Welding of reinforcement is not permitted. Field bending of reinforcement is not permitted.
4. Concrete cover for reinforcing steel, unless otherwise shown, shall be as follows:
   Footings 3" clear from bottom & sides, 2" clear from top
   Walls 1½" clear from each side
   Beams, Columns 1½" clear to stirrups or ties & piers
   Structural Slabs 1" clear from top & sides, ¾" clear from bottom
   Slab-On-Grade ½ slab thickness from top, but not less the ¾" nor greater than 2"
5. When welded wire fabric is specified on the plans, Provide the following reinforcement in flat sheets unless otherwise noted for all slabs on grade except sidewalks.
   4" slab WWF 6x 6 x W1.4 x W1.4
   5" slab WWF 6 x 6 x W2.0 x W2.0
   6" slab WWF 6 x 6 x W2.9 x W2.9.
6. When fiber reinforcing is specified on the plans, Provide the following minimum reinforcing and dosages for all slabs on grade except sidewalks:
   4" -5" slab 1.5# per cubic yard FRC BI Blend, or approved Equal
   6" Slab 3# per cubic Yard Forta Ferro, or approved equal
7. All reinforcing bars shall be fabricated in accordance with ACI 318 and ACI Detailing Manual SP-66. Provide "standard hooks" unless otherwise noted.
   Specified bar length does not include length of hook. Place hooked end of bar 2" clear from edge of concrete, unless otherwise noted.
8. All laps shall be Class "B", unless noted otherwise. Use "top bar" lap lengths for all horizontal wall bars and for top bars in slabs and beams over 14" deep.
   Mechanical couplers capable of developing the full tensile capacity of the bars may be used at any lap location.
9. Corner bars shall be provided at all wall corners and intersections.
10. Plain weld wire fabric shall be lapped and / or anchored to develop fy per ACI 318.
22. Welding of reinforcing is not permitted.

G. ANCHORS

1. All post installed anchors must conform to ACI Appendix D requirements.
2. All expansion bolts fastened to masonry shall be zinc plated sleeve type in accordance with Federal Specification FF-S-325, Group II, Type 3, Class 3.
3. All adhesive anchors shall be SIMPSON "ET-HP" -or- equal.
4. All anchor bolts shall conform to ASTM F 1554-36 unless noted otherwise. Provide standard nut and washer tacked in place on embeded end. At gravity only connections, L-Shaped rods are acceptable. Embedment to hooked end shall be 12 rod diameters. Embedment shall not exceed footing thickness minus 3 inches. Hook length shall be 4 rod diameters 3" min. Embedded portion of anchor bolts shall be clean and free of oil, grease and all foreign substances. Provide minimum 6" projection.
5. All anchors in contact with treated lumber shall be hot dipped galvanized, stainless steel or have manufacturer's approved coating for contact with treated lumber.

H. DIMENSION LUMBER

1. Dimension lumber to be Spruce-Pine-Fir No.1/No.2 or D-F-L / No. 2 or better for beams & headers.
   Use Spruce-Pine-Fir No.1/No.2 grade for wall studs & purlins. Unless noted otherwise on the plans
2. All member sizes given on plan are nominal dimensions.
3. All beams & joists not bearing on supporting members shall be framed w/ "Simpson" joist hangers or equal. Use type required for loading.
4. All foundation plates, sills & sleepers on concrete slab, which is in direct contact w/ earth, and sills which rest on concrete or masonry foundation walls, shall be treated wood or foundation redwood.
5. Hardware and fasteners in contact with treated lumber or exposed to the elements shall be hot dipped galvanized, stainless steel, or manufacturer's approved coating.
6. Where not noted specifically otherwise, nailing shall be according to fastening schedule, in the Wisconsin Residential Code.
7. All bolts and lag screws shall be American Standard Manufacture.
8. Bolt holes in wood shall be drilled ⅛" maximum oversize. Holes for screws and lag screws shall be first bored for the same depth and diameter of the shank, then the remainder occupied by the threaded portion shall be bored not larger in diameter than the root of the thread. All screws shall be screwed, not driven into place.
9. Provide washers under all nuts and heads of bolts and lag screws.
10. All timber framing shall be accurately cut, notched, or topped as indicated. No over cut is permitted for notches or dops. Members shall fit tight and true.
    Examine members for detrimental damage before installation, and avoid natural defects at connections. Where steel plates occur, they shall be used as the template for boring holes.
11. Wherever neccessary to cut or drill treated lumber, treat the cut or bored surfaces with two heavy coats of the same preservative as used in the original treatment.
12. Design, fabrication, and construction shall conform to the "National Design Specification for Wood Construction" current edition as recommended by the American Forest & Paper Association.

K. ROOF TRUSSES

1. Submit one reproducible copy, if needed, of each shop drawing to the Engineer for approval. Provide sufficient time in construction schedule to allow a minimum of five full working days of review period in the Engineer's office.
2. Trusses, jack rafters and valley rafters shall be designed to meet all loading and spans as indicated on the plans.
3. Trussses and rafters shall be designed and certified by a Registered Professional Engineer.
4. Supplier shall be responsible for all bracing and/or bridging required for the design of the truss members.
5. Contractor shall be responsible for bracing and/or bridging required during construction.
6. All connector plates shall be made of Grade "A" galvanized steel, minimum 20 gage per latest TPI Specifications.
7. All connection hardware shall be designed & furnished by the truss supplier unless noted otherwise on the plans.
8. Scissors trusses shall be designed such that horizontal live load deflections do not exceed ¾". Walls are not designed to resist a horizontal truss reaction.
9. Submit Structural Component Plans to Department of Commerce for Component Review.

L. ROOF AND WALL SHEATHING

1. All Specified sheathing shall conform to American Plywood Association (APA) Desing Specification, Latest Edition. Sheathing Shall Be Continuous Over 3-Spans Minimum.
2. Wall sheathing shall be ½" DSB 24/16 rated, minimum. Wall sheathing to be fastened to supporting members with 8d common nails @ 6" O.C. at panel edges and 12" O.C. at intermediate supports, unless noted otherwise.
3. Roof sheathing shall be 1/2" DSB 24/16 rated, minimum. Wall sheathing to be fastened to supporting members with 8d common nails @ 4" O.C. at panel edges and 8" O.C. at intermediate supports, unless noted otherwise.

M. BRICK VENEER TIE REQUIREMENTS

1. Veneer ties with wire size (W2.8 or ¾" dianeter) spaced 16" O.C. Vertically and 24" O.C. horizontally. Additional ties along openings greater than 24" are required to be located within 12" of opening and spaced 36" max> around opening perimeter. (Hohmann & Barnard VBT-VEE-BYNA Tie with DW10-HS anchor plate or equal)

WOOD COLUMN SCHEDULE

MARK	COLUMN	TOP CONNECTION	BOTTOM CONNECTION	NOTES
C-1	(5) 2 x 6 SPF # 1&2	(4) 0.131"x3.25" NAILS @ EACH PLY	(4) 0.131"x3.25" NAILS @ EACH PLY	--
C-2	6 x 6 CEDAR OR BETTER	SIMPSON LCE	SIMPSON ABU66Z	--
C-3	(4) 2 x 6 SPF # 1&2	(4) 0.131"x3.25" NAILS @ EACH PLY	(4) 0.131"x3.25" NAILS @ EACH PLY	--
C-4	(2) 2 x 6 SPF # 1&2	(4) 0.131"x3.25" NAILS @ EACH PLY	(4) 0.131"x3.25" NAILS @ EACH PLY	1

NOTES:
1. USE AT GIRDER TRUSS BEARING

TYPICAL HEADER NOTES:
- INSTALL CONNECTORS TO MANUFACTURES SPECIFICATION.
- 2x SQUASH BLOCKING BETWEEN FLOOR TRUSS SPACE.

SHEAR WALL SCHEDULE

MARK	SHEATHING	PANEL ANCHORAGE	HOLD DOWN	MIN. END MEMBER	MIN. HOLD DOWN BOLT	INTERMEDIATE BOLT SPACING
S-1	⅜" APA-RATED OSB OR ⅝" (min) APA RATED PLYWOOD (ONE SIDE)	8d (0.131") COMMON NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS	NOT REQUIRED	3"	NA	(2) 0.131"x3.25" NAILS @ 16" O.C. MAX
S-2	⅜" APA-RATED OSB OR ⅝" (min) APA RATED PLYWOOD (ONE SIDE)	8d (0.131") COMMON NAILS @ 4" O.C. AT PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS	SIMPSON DTTZ WITH (18) 10d NAILS OR PAS1 STRAP WITH (10) 10d NAILS	3"	1/2"	5/8" Ø BOLTS @ 48" O.C.
S-3	5/8" GYPSUM WALLBOARD - DRYWALL (ONE SIDE)	14 GAGE x 1-5/8" STAPLES @ 4" O.C. AT PANEL EDGES, 4" O.C. AT INTERMEDIATE SUPPORTS	SIMPSON DTTZ WITH (18) 10d NAILS OR PAS1 STRAP WITH (10) 10d NAILS	3"	1/2"	1/2" Ø BOLTS @ 48" O.C.
S-4	5/8" GYPSUM WALLBOARD - DRYWALL (ONE SIDE)	No. 6 TYPE S OR W 1-1/4" LONG DRYWALL SCREWS @ 4" O.C. AT PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS	NOT REQUIRED	3"	NA	1/2" Ø BOLTS @ 48" O.C.
S-5	⅜" APA-RATED OSB OR ⅝" (min) APA RATED PLYWOOD (ONE SIDE)	8d (0.131") COMMON NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS	SIMPSON MSTA-49 STRAP	3"	NA	(2) 0.131"x3.25" NAILS @ 12" O.C. MAX
S-6	⅜" APA-RATED OSB OR ⅝" (min) APA RATED PLYWOOD (ONE SIDE) 1/2" GYPSUM WALLBOARD - DRYWALL (ONE SIDE)	8d (0.131") COMMON NAILS @ 4" O.C. AT PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS No. 6 TYPE S OR W 1-1/4" LONG DRYWALL SCREWS @ 4" O.C. AT PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS	SIMPSON HTT5KT WITH (26) SDS #10x2-1/2	5"	5/8"	5/8" Ø BOLTS @ 24" O.C.
S-7	5/8" GYPSUM WALLBOARD - DRYWALL (ONE SIDE)	14 GAGE x 1-5/8" STAPLES @ 4" O.C. AT PANEL EDGES, 4" O.C. AT INTERMEDIATE SUPPORTS	SIMPSON MSTA-49 STRAP	3"	NA	1/2" Ø BOLTS @ 48" O.C.
S-8	5/8" GYPSUM WALLBOARD - DRYWALL (ONE SIDE)	14 GAGE x 1-5/8" STAPLES @ 4" O.C. AT PANEL EDGES, 4" O.C. AT INTERMEDIATE SUPPORTS	NOT REQUIRED	3"	NA	1/2" Ø BOLTS @ 48" O.C.
S-9	5/8" GYPSUM WALLBOARD - DRYWALL (EACH SIDE)	14 GAGE x 1-5/8" STAPLES @ 4" O.C. AT PANEL EDGES, 4" O.C. AT INTERMEDIATE SUPPORTS	SIMPSON DTTZ WITH (18) 10d NAILS OR PAS1 STRAP WITH (10) 10d NAILS	5"	1/2"	1/2" Ø BOLTS @ 48" O.C.
S-10	⅜" APA RATED OSB OR ⅝" (min) APA RATED PLYWOOD (ONE SIDE)	8d (0.131") COMMON NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS	NOT REQUIRED	3"	NA	1/2" Ø BOLTS @ 48" O.C.

NOTES:
1. 16d NAILS THROUGH PLATE AND FLOOR SHEATHING.
2. STANDARD CUT WASHERS PERMITTED AT ANCHOR BOLTS

O INDICATES STRAP OR HOLD-DOWN AT SHEAR WALL ENDS

TYPICAL SHEAR WALL NOTES:
- FOR SHEAR WALL SCHEDULE SEE SHEET S1.0, SEE TYPICAL SHEAR WALL ELEVATION AND LOCATIONS ON PLANS.
- ALL SHEAR WALLS UTILIZING WOOD OR GYPSUM SHEATHING SHALL HAVE BLOCKING ON ALL EDGES UNLESS NOTED OTHERWISE IN SHEATHING DESIGNATION.
- INDIVIDUAL PIECES OF WOOD STRUCTURAL PANEL SHALL BE NOT LESS THEN 2'-0" IN LEAST DIMENSION NOR 8'-0" IN AREA
- RE-TIGHTEN BOLTS BEFORE CLOSING
- LOCATE ALL SHEAR WALL PANEL JOINTS ON CENTERLINE OF BLOCKING OR STUDS.
- PROVIDE MIN 0.229x3x3 WASHER UNDER EACH NUT
- IF PANEL EDGE NAILING IS GREATER THAN 3" A SINGLE 2X STUD OR BLOCKING MEMBER IS PERMITTED.
- ALIGN TRUSSES AND STUDS IN ALL CASES, UNLESS NOTED OTHERWISE.
- PROVIDE BLOCKING AT ALL JAMB, KING STUDS, AND POST BETWEEN FLOORS
- PROVIDE FURRING OR BACKING OF THICKNESS AS REQUIRED TO MAINTAIN A COMMON WALL PLANE AT ALL WOOD STUD WALL SURFACES WHICH ARE ONLY PARTIALLY SHEATHED WITH WOOD STRUCTURAL PANEL COORDINATE AND ADJUST HEAD, JAMB AND SILL DETAILS AS REQUIRED FOR PROPER OVERALL WALL THICKNESS.
- ANCHOR BOLTS, FASTENERS, WASHERS, NUTS, CONNECTORS IN CONTACT WITH TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED OR OTHER APPROVED COATING.
- FOUNDATION ANCHOR BOLTS SHALL HAVE A STEEL PLATE WASHER UNDER EACH NUT NOT LESS THAN 0.224"x3"x3" IN SIZE, UNLESS NOTED OTHERWISE.

HEADER SCHEDULE

MARK	HEADER / BEAM	MULTI-MEMBER CONNECTIONS	SHOULDER STUDS	KING STUDS	NOTES
H-1	(2) 2 x 10 SPF # 1&2 OR DFL # 2	2 ROWS 0.131"x3" NAILS @ 12" O.C.	1	1	--
H-2	(2) 2 x 12 S. PINE # 1 (TREATED)	2 ROWS 0.131"x3" NAILS @ 12" O.C.	--	--	1
H-3	(3) 2 x 12 S. PINE # 1 (TREATED)	2 ROWS 0.131"x3" NAILS @ 12" O.C.	--	--	1, 2
H-4	(3) 2 x 12 S. PINE # 1 (TREATED)	2 ROWS 0.131"x3" NAILS @ 12" O.C.	--	--	1, 2
H-5	(3) 2 x 10 SPF # 1&2 OR DFL # 2	2 ROWS 0.131"x3" @ 12" O.C. EACH SIDE.	3	2	--
H-6	(2) 2 x 12 DFL # 2	2 ROWS 0.131"x3" NAILS @ 12" O.C.	2	2	--
H-7	(3) 2 x 12 DFL # 2	2 ROWS 0.131"x3" @ 12" O.C. EACH SIDE.	2-3-2	2	3
H-8	(3) 2 x 10 DFL # 2	2 ROWS 0.131"x3" @ 12" O.C. EACH SIDE.	2-3-2	2	3
H-9	(2) 2 x 10 SPF # 1&2 OR DFL # 2	2 ROWS 0.131"x3" @ 12" O.C. EACH SIDE.	2	2	--
H-10	(3) 2 x 10 SPF # 1&2 OR DFL # 2	2 ROWS 0.131"x3" NAILS @ 12" O.C.	2	2	--
H-11	(3) 2 x 12 DFL # 2	2 ROWS 0.131"x3.25" @ 12" O.C. EACH SIDE.	2-4-2	2	3
H-12	(3) 1 3/4"x20" 1.9E, 2,600 Fb LVL	2 ROWS 0.131"x3.25" @ 12" O.C. EACH SIDE.	3	3	--
H-13	5-1/2"x16" 2.1E, 3000Fb GLULAM	--	3	3	--
H-14	(4) 1 3/4"x20" 1.9E, 2,600 Fb LVL	2 ROWS 0.131"x3.25" @ 12" O.C. EACH SIDE.	4	--	1
H-15	(3) 1 3/4"x18" 1.9E, 2,600 Fb LVL	2 ROWS 0.131"x3.25" @ 12" O.C. EACH SIDE.	3	3	--
H-16	(2) 1 3/4"x11-1/4" 1.9E, 2,600 Fb LVL	2 ROWS 0.131"x3.25" @ 12" O.C. EACH SIDE.	2	2	--
H-17	(3) 1 3/4"x11-7/8" 1.9E, 2,600 Fb LVL	2 ROWS 0.131"x3.25" @ 12" O.C. EACH SIDE.	2	2	--
H-18	(2) 1 3/4"x9-1/4" 1.9E, 2,600 Fb LVL	2 ROWS 5" TRUSSLOK SCREWS @ 12" O.C.	2	1	--
H-19	(2) 2 x 10 SPF # 1&2 OR DFL # 2	2 ROWS 0.131"x3" NAILS @ 12" O.C.	2	1	--
H-20	(2) 1 3/4"x9-1/4" 1.9E, 2,600 Fb LVL	2 ROWS 0.131"x3.25" @ 12" O.C. EACH SIDE.	--	--	6
H-21	(3) 2 x 10 SPF # 1&2 OR DFL # 2	2 ROWS 0.131"x3.25" @ 12" O.C. EACH SIDE.	--	--	6
H-22	(2) 1 3/4"x9-1/4" 1.9E, 2,600 Fb LVL	2 ROWS 0.131"x3.25" @ 12" O.C. EACH SIDE.	2-4-2	2	3

NOTES:
1. SEE PLAN DETAILS FOR MORE INFORMATION.
2. STRONG-BACKS BEAR ON WALL AND TRUSSES. TRUSS DESIGNER TO DESIGN FLOOR TRUSSES FOR STRONG-BACK REACTIONS.
3. CONTINUOUS HEADER
4. AT WALL BEARING PROVIDE 2-PLY STUD BEARING, AT POST BEARING REFER TO COLUMN DESIGNATIONS ON PLANS.
5. MULTIPLE KING STUDS NOT REQUIRED AT BEAMS SUPPORTING WALL WITHOUT OUT OF PLANE LOADING
6. SEE PLANS FOR SUPPORT CALL-OUTS
7. AT BEAM TO BEAM BEARING, USE (2) SIMPSON HTSQ20ZKT VERTICALLY AND A35 HORIZONTALLY TO CONNECT BEAMS, ALTERNATE TO BE APPROVED BY ENGINEER OF RECORD.

TYPICAL HEADER NOTES:
- AT WALLS FRAMING PERPENDICULARLY INTO WALLS, USE NUMBER OF STUDS EQUAL TO THE NUMBER OF PLIES OF HEADER.
- AT OPENINGS IN INTERIOR WALLS WITH CUT SCHEDULED HEADERS PLACE 2 BEARING STUDS AND 1 KING STUD.
- AT OPENINGS IN EXTERIOR WALLS WITHOUT SCHEDULED HEADERS PROVIDE 2 BEARING STUDS AND (½ + 1) THE NUMBER OF KING STUDS OMITTED FOR KING STUDS.
- SHOULDER STUDS SHALL BE CONTINUOUS TO THE FOUNDATION OR HEADER BELOW. PROVIDE BLOCKING AND SQUASH BLOCKS AS REQUIRED.
- SHOULDER STUDS TO BE SAME DEPTH AS WALL FRAMING THEY OCCUR AT.
- 2x SQUASH BLOCKING AT ALL FIRST FLOOR HEADERS TO FULL WALL WIDTH AT BEARING LOCATIONS WITH BEARING STUDS DIRECTLY ABOVE.
- EXTERIOR FRAMING EXPOSED SHALL BE PRESSURE TREATED LUMBER, ALL FASTENERS AND HARDWARE SHALL BE COMPATIBLE WITH TREATMENT. (GALVANIZED, STAINLESS, OR MANUFACTURER APPROVED COATING)
- ALL KING STUDS TO EXTEND TO DOUBLE TOP PLATE.
- SILLS UNDER HEADERS GREATER THAN 5' USE 2-PLY 2x6.

PRELIMINARY
FOR BID ONLY

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LaPlant Architecture, LLC
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GREEN BAY, WISCONSIN
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14 Unit @ Harbor Ridge II

Townhome with Attached Garages

Sturgeon Bay, Wisconsin

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Date: 2021

REVISION	DATE
X	X

DATE 9/14/2021
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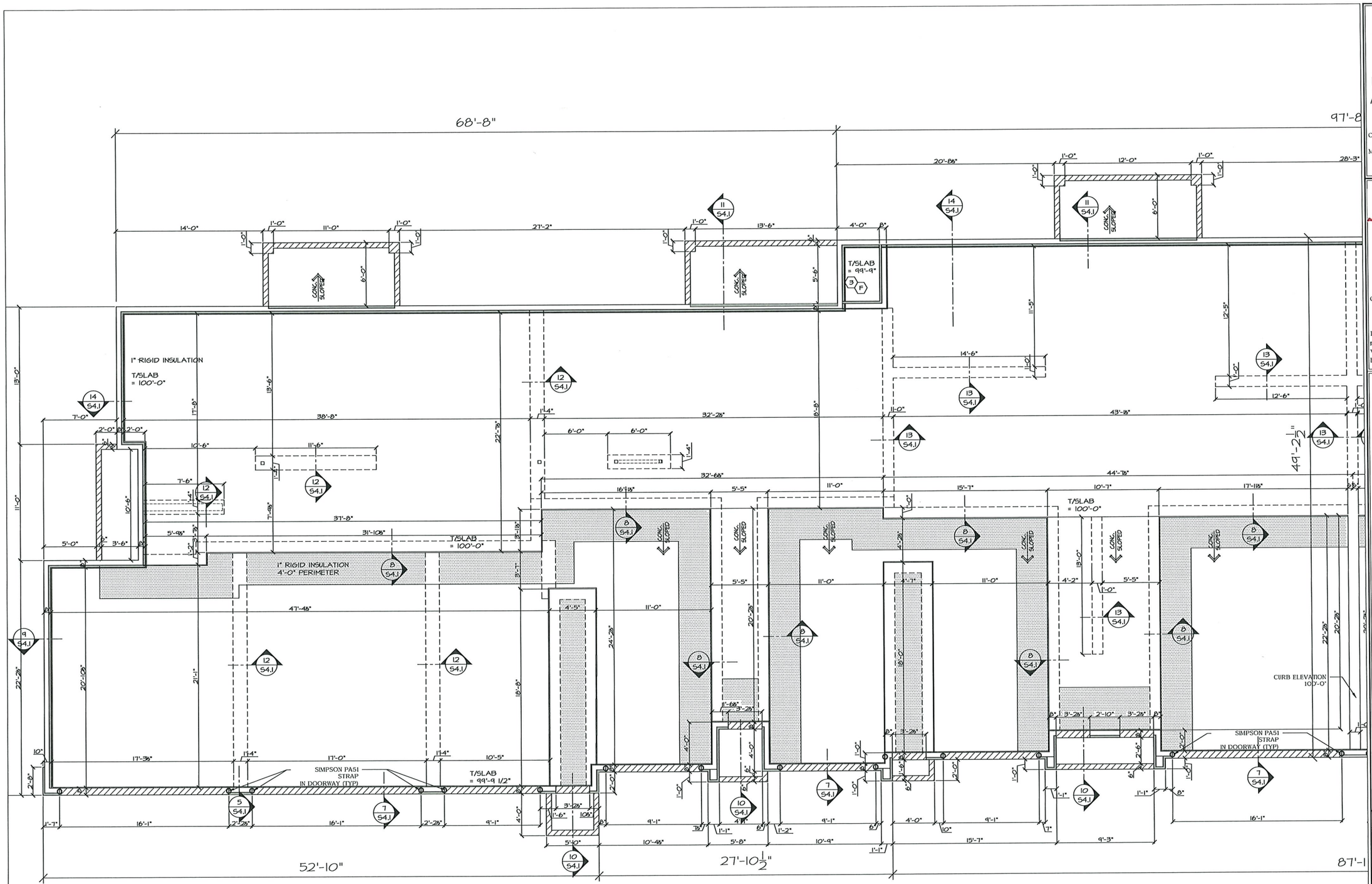

FOUNDATION PLAN

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

RICE ENGINEERING

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14 Unit @ Harbor Ridge II

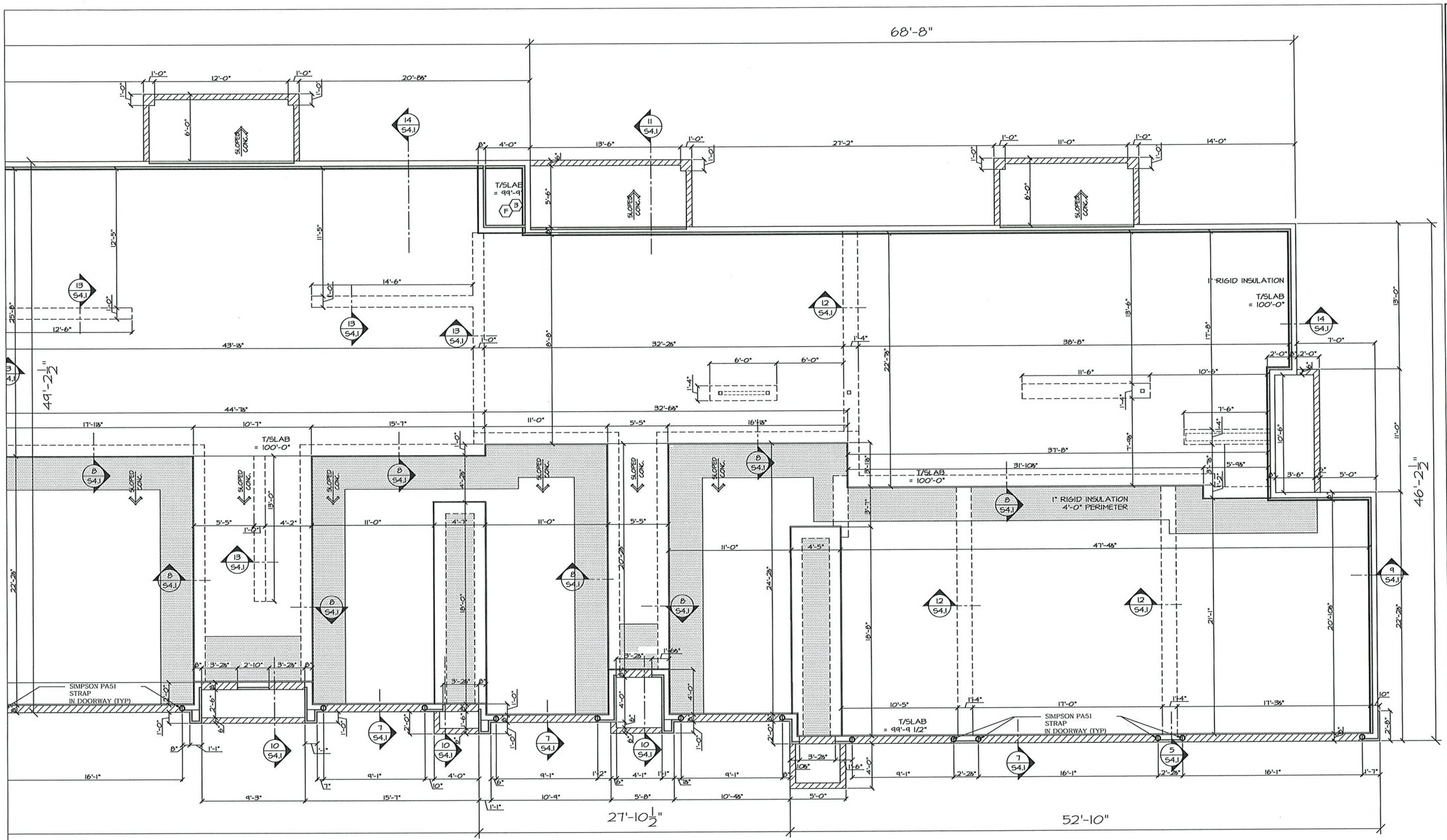
Townhome with Attached Garages
Sturgeon Bay, Wisconsin

REVISION	DATE
X	X

DATE
9/14/2021

PROJECT NO.
461407

SHEET
S 2.0.1



FOUNDATION PLAN NOTES

1. FINISH SLAB ELEVATION = 100'-00" LOCAL DATUM UNLESS NOTED OTHERWISE. TOP OF FOOTING = 96'-00" UNLESS NOTED OTHERWISE.
2. SLAB ON GRADE TO BE 4" THICK WITH 6x6 W1.4xW1.4 OR 1.5#/CU. YARD FRC BI BLEND 300, OR APPROVED EQUAL ON 10 MIL VAPOR RETARDER ON 6" FREELY DRAINING GRANULAR BASE COURSE UNLESS NOTED OTHERWISE.
3. SPACE CONSTRUCTION AND CONTROL JOINTS AT 12'-0" O.C. MAX RESULTING SECTIONS SHALL BE APPROXIMATELY SQUARE OR TRIANGULAR.
4. TYPICAL WHERE SLAB-ON -GRADE ABUTS WALL OR COLUMN, 1" RIGID INSULATION CONTINUOUS FROM FOUNDATION, SET 1/4" BELOW FINISHED SLAB ELEVATION. #4 X 12" DOWELS @ 4'-0" DRILLED INTO WALLS @ PERIMETER.
5. OVER-EXCAVATION MAY BE REQUIRED TO REMOVE EXISTING UNDOCUMENTED FILL AND UNSUITABLE SOIL.
6. CONFIRM TOP OF LEDGE AND STOOP HEIGHTS WITH FINAL GRADE ELEVATIONS.

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

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PRELIMINARY NOT FOR BID ONLY

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LEXINGTON HOMES
Building Neighborhoods One Home at a Time

LEXINGTON -HOMES-
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14 Unit @ Harbor Ridge II

Townhome with Attached Garages
Sturgeon Bay, Wisconsin

14 Townhomes - # 461487

Date, 2021

REVISION	DATE
X	X

DATE 9/14/2021
PROJECT NO. 461487
SHEET **S 2.0.2**