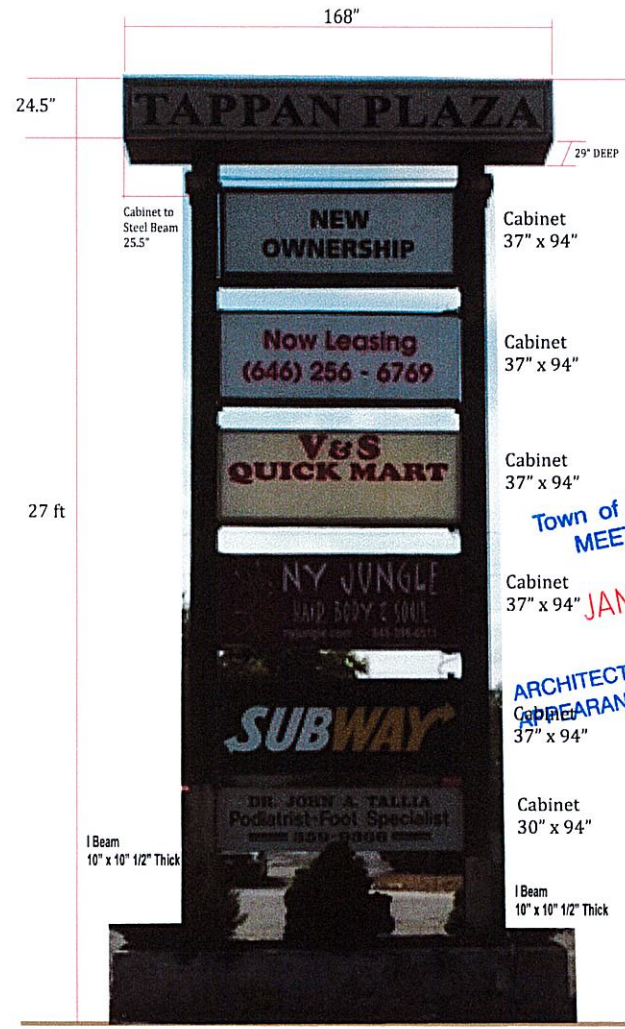
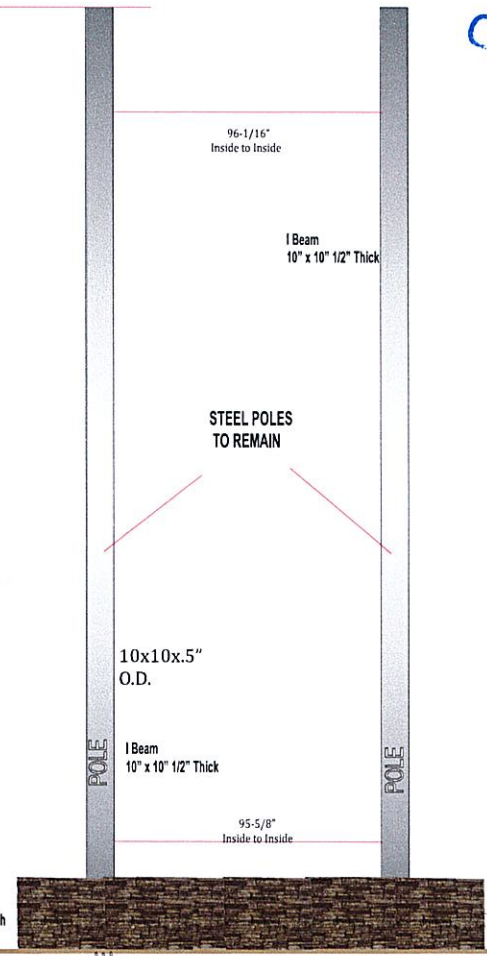


TOWN OF ORANGETOWN
LAND USE BOARDS
DEC 23 2024
RECEIVED

DESIGN SPECIFICATIONS	
NYS Building Code 2020	
ASCE 7-16	Minimum Design Loads for Buildings & Other Structures
ACI 318-14	Building Code Requirements for Structural Concrete
ANSI/AISC 360-16	American Institute of Steel Construction Inc.
DESIGN LOADS	
Wind	V = 115 mph
Exposure	B
Risk Cat.	II
Grnd. Snow	Pg = 30 psf



Town of Orangetown
MEETING OF:
JAN 9 2025
ARCHITECTURE & COMMUNITY
APPEARANCE BRD OF REVIEW



MURDOCH ENGINEERING
SIGN STRUCTURE PROFESSIONALS
2399 A-2 NJ-34
MANASQUAN NJ 08736
973-570-8750
Jere Murdoch, PE
Professional Engineer
NY PE Lic. #089862

Rev. 11/6/2024

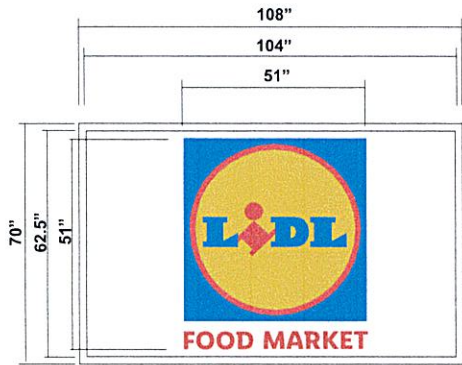
EXISTING SIGN

Existing Concrete Footing, 6'-6" Deep (VIF)

REMOVAL

 Creative Design 11118 11118 LLC 843 Monmouth Ave. #111 Brick River, New Jersey 07714 (732) 471-8105 ext. 732-471-8883 www.creativedesignllc.com	Tappan Plaza 37 Rt 303 Tappan NY 10983	REPRESENTATIVE M. Clairro DATE 02/05/21	SHEETS 1 OF 1	ALL DRAWINGS HEREIN ARE THE PROPERTY OF CREATIVE DESIGN UNLIMITED LLC AND ARE TO BE USED FOR CONCEPTUAL PURPOSES ONLY AND SHALL NOT BE REPRODUCED IN PART OR IN WHOLE WITHOUT WRITTEN AUTHORIZATION FROM CREATIVE DESIGN UNLIMITED LLC.
		DRAWN J.C.	FILED REV	
			CHECKED 1	

DESIGN SPECIFICATIONS	
NYS Building Code 2020	
ASCE	7-16 Minimum Design Loads for Buildings & Other Structures
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ANSI/AISC	360-16 Specification for Structural Steel Buildings
DESIGN LOADS	
Wind	V = 115 mph
Exposure	B
Risk Cat.	II
Grnd. Snow	Pg = 30 psf



VINYL GRAPHICS ONLY FOR D/F PYLON SIGN | TWO (2) SETS REQ

Specifications:
1. (2) Flat White Polycarbonate faces with first surface 3M 3630-143 Poppy Red vinyl copy
Face Color Specifications (Flat Surface Vinyl)
■ 3M 3630-47 Patriot Blue
■ 3M 3630-143 Poppy Red
■ Oracal 8800-021 Yellow

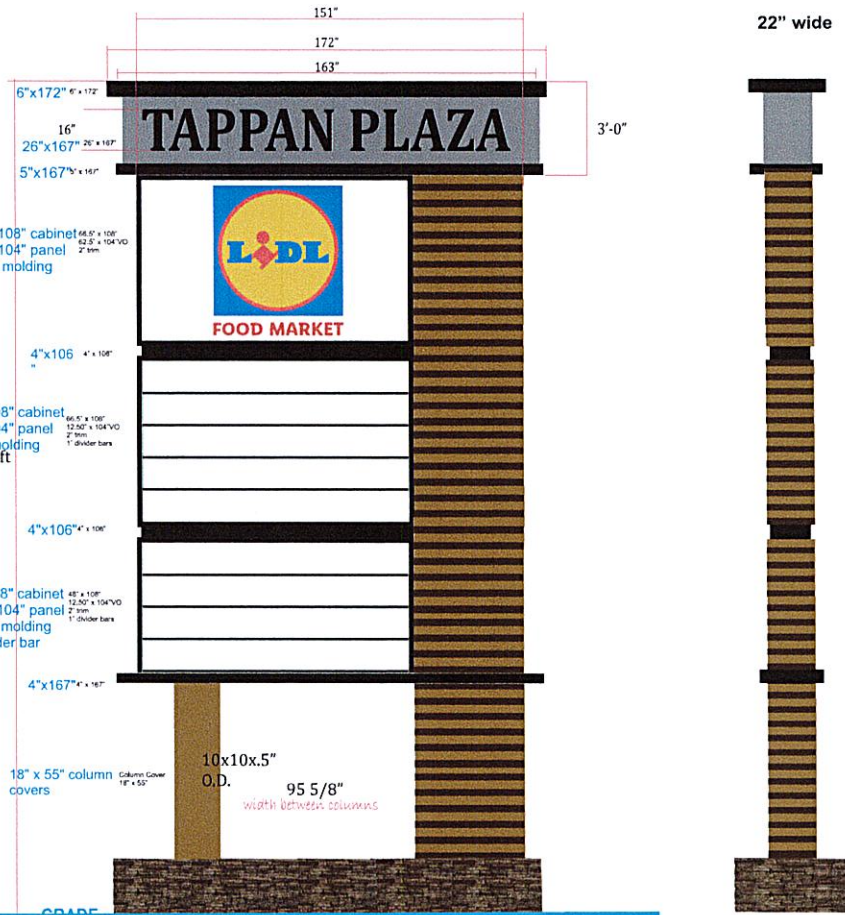
ENGINEER'S NOTE

- FOLLOWING REMOVAL OF EXISTING SIGN ELEMENTS, POLES AND FOOTINGS SHALL BE INSPECTED AND VERIFIED AS BEING FREE OF RUST AND CORROSION AND THEREFORE ACCEPTABLE FOR REUSE, WITH DOCUMENTATION VERIFYING CONDITIONS PROVIDED TO MURDOCH ENGINEERING FOR REVIEW
- WITH VERIFICATION OF EXISTING MEMBER SIZES AND FOOTING DEPTHS, MURDOCH ENGINEERING CERTIFIES THAT THE EXISTING POLES AND FOOTING ARE CAPABLE OF WITHSTANDING APPLICABLE LOADING PER NYS BUILDING CODE 2020 AS A RESULT OF THE PROPOSED MODIFICATION
- SIGN CABINET AND CLADDING STRUCTURES DESIGNED BY OTHERS AND INSTALLED PER MFR. SPECIFICATIONS
- CEASE WORK AND CONTACT MURDOCH ENGINEERING IF FIELD CONDITIONS VARY

38.4% of Pylon



MURDOCH ENGINEERING
 2020 A-2 NJ-34
 ANASQUAN, NJ 08736
 (908) 570-8400
 Jere Murdoch, PE
 Professional Engineer
 NY PE Lic. #089862
 Rev. 11/6/2024



Creative Design Unlimited
 553 Monmouth Avenue
 Belford, NJ 07718
 T 732-471-8185 F 732-471-8695
 creative@designunl.com

PROJECT: Tappan Plaza S.C.
 Tappan NY

DATE	REVISION
12/09/22	M. Claurito
	J.C.
PAGE 1	OF 1

ALL DRAWINGS HEREIN ARE THE PROPERTY OF CREATIVE DESIGN UNLIMITED LLC AND ARE TO BE USED FOR CONCEPTUAL PURPOSES ONLY AND SHALL NOT BE REPRODUCED IN PART OR IN WHOLE WITHOUT WRITTEN AUTHORIZATION FROM CREATIVE DESIGN UNLIMITED LLC.

GENERAL:

1. ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL BUILDING CODE (IBC).
2. CONSTRUCTION METHODS AND PROJECT SAFETY: DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE METHODS, PROCEDURES, OR SEQUENCE OF CONSTRUCTION. TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. THE EOR WILL NOT ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES THAT ARE FOUND. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
4. ALL OMISSIONS AND/OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND FIELD INSPECTOR. THE ENGINEER SHALL PROVIDE A SOLUTION PRIOR TO PROCEEDING WITH ANY WORK AFFECTED BY THE CONFLICT OR OMISSION.
5. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, CONSTRUCT IN ACCORDANCE WITH THE STEEL CONSTRUCTION MANUAL, 14TH EDITION OR 2010 ALUMINUM DESIGN MANUAL.
6. WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.
7. ANY CHANGE TO THE DESIGN AS SHOWN ON THE DRAWINGS REQUIRES PRIOR WRITTEN APPROVAL FROM DESIGN ENGINEER OF RECORD BEFORE CONSTRUCTION.
8. WORK PERFORMED IN CONFLICT WITH THE STRUCTURAL DRAWINGS OR APPLICABLE BUILDING CODE REQUIREMENTS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
9. VERIFICATION: VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE EOR IMMEDIATELY OF ANY DISCREPANCIES.

EXISTING CONDITIONS:

1. IF EXISTING CONDITIONS ARE NOT AS DETAILED IN THIS DESIGN, THE INSTALLER SHALL CEASE WORK AND NOTIFY MURDOCH ENGINEERING IMMEDIATELY.
2. MURDOCH ENGINEERING WILL NOT BE PERFORMING ON-SITE INSPECTIONS OR VERIFICATIONS. IT IS THE RESPONSIBILITY OF THE INSTALLER, STRUCTURE OWNER, AND PROPERTY OWNER TO IDENTIFY EXISTING CONDITIONS AND CONTACT MURDOCH ENGINEERING WITH ANY DISCREPANCIES OR CONCERNS.
3. INSTALLER SHALL CONFIRM THE DIAMETER AND THICKNESS OF EXISTING MEMBERS AND NOTIFY MURDOCH ENGINEERING OF ANY DISCREPANCIES.
4. INSTALLER SHALL INSPECT AND CONFIRM THE QUALITY OF EXISTING STRUCTURE AS "IN GOOD REPAIR". IF THERE ARE ANY INDICATIONS THAT THIS IS NOT THE CASE, INSTALLER SHALL CEASE WORK IMMEDIATELY AND NOTIFY MURDOCH ENGINEERING.
5. ANY EXISTING INFORMATION SHOWN HAS BEEN FURNISHED BY THE PERSON(S) OR COMPANY THIS DOCUMENT WAS PREPARED FOR (SEE TITLE BLOCK). MURDOCH ENGINEERING IN NO WAY CERTIFIES THIS INFORMATION AS "AS-BUILT". IF THERE IS ANY REASON TO BELIEVE THE EXISTING CONDITIONS DETAILED HEREIN ARE NOT ACCURATE, MURDOCH ENGINEERING SHALL BE NOTIFIED IMMEDIATELY.

STEEL

1. STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:

ROUND HSS	ASTM A500, GR B	Fy=42 KSI MIN.
SQUARE/RECT HSS	ASTM A500, GR B	Fy=46 KSI MIN.
THREADED ROD	F1554 GR 55	Fy=55 KSI MIN.
STEEL PLATE STD.	ASTM A36 ASTM	Fy=36 KSI MIN.
PIPE	A53, GR B	Fy=35 KSI MIN.

2. BOLTS SHALL CONFORM TO ASTM A325 UNO.
3. BOLTS AND THREADED ROD SHALL BE HOT-DIP GALVANIZED PER ASTM F2329 UNO.
4. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 UNO.
5. NUTS SHALL CONFORM TO ASTM A563.
6. WASHERS SHALL CONFORM TO ASTM F844.
7. STEEL HARDWARE SHALL BE HOT-DIP GALVANIZED PER ASTM A153 UNO
8. WELDING:
 - a. WELD STRUCTURAL STEEL IN COMPLIANCE WITH ANSI/AWS D1.1 AND AISC SPECIFICATION, CHAPTER J. WELDERS SHALL BE CERTIFIED AS REQUIRED BY GOVERNING CODE AUTHORITY. WELDING SHALL BE DONE BY ELECTRIC ARC PROCESS USING LOW-HYDROGEN ELECTRODES WITH SPECIFIED TENSILE STRENGTH NOT LESS THAN 70 KSI UNLESS NOTED OTHERWISE.
 - b. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH ACTIVE STATUS AT TIME OF WELDING
 - c. UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELDS PER AISC SPECIFICATION, SECTION J2, TABLE J2.4
 - d. BASE PLATES SHALL BE WELDED ON TOP AND BOTTOM WITH CONTINUOUS WELDS OF AT LEAST 1/4" (IF PLATE IS CUT TO FIT TUBE INTO PLATE)

ALUMINUM:

1. FABRICATE AND ERECT ALUMINUM IN COMPLIANCE WITH THE ALUMINUM ASSOCIATION (AA) 2010 ALUMINUM DESIGN MANUAL (ADM) 1. THE SPECIFICATIONS FOR ALUMINUM SHEET METAL WORK (ASM35), AND IBC CHAPTER 20.
2. PIPE AND TUBE SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH FtU=38 KSI MIN, Fty=35 KSI MIN, FtUw=24 KSI MIN, Ftyw=15 KSI MIN.
3. STD STRUCTURAL PROFILES SHALL BE 6061-T6 PER B308 WITH FtU=38 KSI MIN, Fty=35 KSI MIN, FtUw=24 KSI MIN, Ftyw=15 KSI MIN.
4. SHEET AND PLATE SHALL BE 6061-T6 PER ASTM B209 WITH FtU=42 KSI MIN, Fty=35 KSI MIN, FtUw=24 KSI MIN, Ftyw=15 KSI MIN.
5. EXTRUSIONS SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH FtU=38 KSI MIN, Fty=35 KSI MIN, FtUw=24 KSI MIN, Ftyw=15 KSI MIN.
6. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH CURRENT STATUS AT TIME OF WELDING
7. UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELD PER ADM. ALL ALUMINUM WELDED JOINTS SHALL HAVE WELD SIZES OF AT LEAST 1/4 INCH
8. FILLET WELDS SHALL NOT EXCEED THINNEST MEMBER WALL THICKNESS JOINED.
9. ALUMINUM WELD FILLER SHALL BE 5356 ALLOY
10. WELDING PROCESS GMAW OR GTAW SHALL BE IN ACCORDANCE WITH AWS D1.2
11. ALUMINUM CHANNEL LETTERS SHALL BE CONSTRUCTED OF 0.090" RETURNS AND 0.125" BACKS MINIMUM, UNLESS A LARGER SIZE IS INDICATED ON DRAWINGS. THIS NOTE SHALL SUPERCEDE DRAWING DETAILS
12. PROVIDE NEOPRENE GASKET BETWEEN DISSIMILAR METALS TO PREVENT GALVANIC CORROSION
13. ALUMINUM DIRECTLY EMBEDDED INTO CONCRETE SHALL BE CAPPED AT BOTTOM AND COATED WITH BITUMINOUS COATING OR POLYURETHANE WHERE IN CONTACT WITH CONCRETE.
14. FASTENERS BETWEEN DISSIMILAR METALS SHALL BE STAINLESS STEEL 316.

SCOPE OF WORK:

1. LIMITS OF LIABILITY TO EXTEND ONLY TO THE QUANTITY INDICATED. ATTEMPTS IN PART OR IN WHOLE TO INSTALL GREATER QUANTITIES THAN THOSE SPECIFIED WITHOUT CONSULTING MURDOCH ENGINEERING SHALL VOID ALL PROFESSIONAL LIABILITY AND COVERAGE.

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(973) 570-8215
2399 NJ-34 A-2
Manasquan, NJ 08736

PREPARED FOR:



PROJECT TITLE:
**TAPPAN PLAZA
PYLON RETROFIT**

PROJECT ADDRESS:
Tappan Plaza
37 Rt. 303
Tappan NY 10983

DESIGN SPECIFICATIONS	
with Ref. of Reg Code 2010	
ASCE 7-16	Minimum Design Loads for Buildings & Other Structures
ACI 308-14	Building Code Requirements for Structural Concrete
ANSI/AISC 360-16	Specification for Structural Steel Buildings
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Ground Snow	Pg = 30 psf



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Jere Murdoch
Jere Murdoch, PE
Professional Engineer
NY PE Lic. #089862
Rev. 11/6/2024

DWG TITLE:
GENERAL NOTES

SHEET: **S.1** SIZE: **B**