

	▪ Pre-cast concrete		2018020527	
4	Masonry Construction (1704.5 OBC)		B,& S-1	
	▪ Masonry mortar joints			
	▪ Reinforcement and connectors		VB	
	▪ Grouting		Paulding	
	▪ Pre-stressing tendons and anchorages			
	▪ Cold weather protection			
5	Wood Construction (1704.6 OBC)			
	▪ Prefabricated wood structural members			
	▪ Wood structural panels			
	▪ Fasteners and connectors			
	▪ Framing details			
6	Soils (1704.7 OBC)		6	
	▪ Site preparation		6	
	▪ Compacted fill materials		1	
	▪ Soil load bearing requirements		6	
7	Driven Deep Foundation (1704.8 OBC)			
8	Cast-In-Place Deep Foundation (1704.9 OBC)			
9	Helical Pile Foundation (1704.10 OBC)		Scope of Work:	
10	Vertical Masonry Foundation Element (1704.11)			
11	Sprayed Fire-Resistant Materials (1704.12 OBC)			
	▪ Surface conditions			
	▪ Application			
	▪ Spray thickness			
	▪ Spray density			
	▪ Spray bonding strength			
12	Mastic/Intumescent Fire-Resistant Coatings (1704.13 OBC)			
13	EFIS System (1704.14 OBC)			
14	Special Cases (1704.15 OBC)			
	▪ Materials & systems not prescribed in code			
	▪ Unusual design applications			
	▪ Additional requirements by manufacturers			
15	Smoke Control System (1704.16 OBC)			
	▪ Ductwork, Leak Testing, Fire Alarm			

- Submit the resume of special inspectors for all marked special inspection items in the part I table showing the qualification and/or special training per 1704.1 OBC.

PART II: LIST OF SPECIAL INSPECTORS			
No.	ITEM	Inspection Company	Name of Inspector
1	Fabricators: (1704.2 OBC)		
2	Steel Construction (1704.3 OBC)		
3	Concrete construction (1704.4 OBC)		
4	Masonry Construction (1704.5 OBC)		
5	Wood Construction (1704.6 OBC)		
6	Soils (1704.7 OBC)		
7	Driven Deep Foundation (1704.8 OBC)		
8	Cast-In-Place Deep Foundation (1704.9 OBC)		
9	Helical Pile Foundation (1704.10 OBC)		
10	Vertical Masonry Foundation Elements (1704.11 OBC)		
11	Sprayed Fire-Resistant Materials (1704.12 OBC)		
12	Mastic & Intumescent Fire Resistant Coatings (1704.13 OBC)		
13	EIFS system (1704.14 OBC)		

14	Special Cases (1704.15 OBC)		
15	Smoke Control System (1704.16 OBC)		

The above statement of special inspections has been prepared by the registered project design professional in responsible charge in accordance with the provision of section 1704.1.1 Ohio Building Code 2011.

The project registered design professional in responsible charge also acknowledges that he or she is responsible for reviewing and approving the special inspection reports submitted by the special inspectors at the required inspection periods. Any discrepancies in special inspection reports shall be brought to the attention of the building official. A final special inspection report documenting required special inspections and corrections of any discrepancies noted in the inspections shall be submitted to the building official.

Project Registered Design Professional in Responsible Charge:

Name of Designer:

Ohio Registration

No.:

Name of Company:

Signature:

Date:

Property Owner:

Name of Owner:

Name of Company:

Signature:

Date:

Revised 10/02/2015



Richard LaCourse *Engineering Technician*

www.ttlassoc.com

Training/Certifications

- ACI Concrete Field Testing Technician, Level I
- ODOT Asphalt Technician, Level III
- Certificate of Radiological Safety Training and Equipment Operations

Specialized Training & Skills

- In-house training of masonry testing and inspection, fireproofing testing and inspection, and concrete steel reinforcement inspection as per the Ohio Building Code Schedule of Special Inspections

Summary of Experience

Rich joined TTL in 2000 and has over 16 years of experience. His knowledge of the various aspects of the testing arena includes concrete, soils, asphalt, and masonry. He has provided construction materials testing services on numerous projects including airports, turnpike interchanges, educational facilities, residential developments, and municipalities.

Relevant Project Experience

BGSU Sebo Athletic Center, Bowling Green, Ohio. Lead engineering technician for testing and inspection services for this three-story 42,500 square foot athletic center. The building was built on shallow foundations with masonry wall construction. Services included soil compaction, concrete testing, masonry inspection and rebar inspection.

Toledo Public Schools, Toledo Ohio. Engineering Technician who provided the construction materials testing including soil evaluations, soil/stone compaction testing, concrete testing, asphalt testing, masonry inspection, structural steel testing and inspection and fire proofing inspection. This "Building for Success" program consisted of the construction or renovation of 55 school facilities from 2003 through 2013.

BGSU Running Track, Football Field, and Tennis Courts, Bowling Green, Ohio. Lead engineering technician for the brand new running track with areas for shot put and pull vault, football field, and 8 tennis courts at the BGSU campus. Testing and inspection services consisted of soil/stone compaction testing, concrete testing and asphalt compaction testing.

Lucas County Metropolitan Housing Authority, Collingwood Green Phase II, Toledo, Ohio. Lead engineering technician performing the construction testing and inspection services for the modernization and redevelopment of this Public Housing property. Services include soil bearing evaluation, soil/stone compaction testing, and concrete testing.

Put-In-Bay Airport, Taxiway and Apron Rehabilitation/Construction, Put-In-Bay, Ohio. Mr. LaCourse was the engineering technician providing the construction testing and inspection services on this runway rehabilitation/construction project. He conducted the asphalt plant inspection for the purpose of monitoring the batching and testing of the asphalt as well as the core densities and asphalt compaction testing.



Ohio Department of Commerce
Division of Industrial Compliance

John R. Kasich
Governor

Jacqueline T. Williams
Director

Geoffrey D. Eaton
Chief Building Official

Certificate of Final Plan Approval

Plan Number: 2018020602	Property Address: 11874 SR 144 HAVILAND OH 45851	County: PAULDING
Date of Approval: 03/27/2018	Type of Project: New Building	Governing Building Code: OBC 2017
Building / Business Name: NWOWF O&M FENCE	Description of the Project: FENCING TOTAL FENCE INSTALLED IS 680 FT	
Property Owner: STARWOOD ENERGY GROUP GLOBAL LLC ALEX DABERKO 5 GREENWICH OFFICE PARK Floor 2ND GREENWICH CT 06831	Submitter: BRIAN MARTIN 33126 MAGNOLIA CIR Suite 200 MAGNOLIA TX 77354-1629	Design Professional: RAYBURN DONALDSON 2118 LAMAR ST Suite 200 HOUSTON TX 77003
Approved Scope of Project: General Building Trade	Authorized No. of Inspections: 5	Use Occupancy Groups: U
		Construction Type: Type II B
		Number of Stories:
		Building Occupant Load:

The list of required inspections is specified in section 108 OBC. The owner or the owner's authorized agent is responsible for requesting applicable inspections accordingly. This certificate shall remain posted in a conspicuous and safe place on the job site until the work is completed. Failure to meet these requirements may result in the refusal of service and/or the issuance of an adjudication order. The building/structure shall pass final inspection and a State of Ohio Certificate of Use and Occupancy shall be issued before the building/structure can be legally occupied. The owner is responsible for obtaining all local zoning and sewage permits. In order to schedule an inspection, contact the numbers listed on the bottom of this certificate between the hours of 8:15 am and 2:30 pm.

Structural / Electrical / Plumbing 1-800-822-3208 8:15 am to 2:30 pm	State Fire Marshal 614-728-5460	All Other Inquiries 1-800-523-3581 8:00 am to 5:00 pm
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State Inspector's Signature for Occupancy:

Building Official Signature:

Final Structural Approval: _____ Date: _____

Final Electrical Approval: _____ Date: _____

Final Plumbing Approval: _____ Date: _____

Final Fire Approval: _____ Date: _____

Ohio Department of Commerce
Division of Industrial Compliance
6606 Tussing Road, PO Box 4009
Reynoldsburg, OH 43068-9009 U.S.A.
(614) 644-2622 Fax: (614) 644-3145



OHIO DEPARTMENT OF COMMERCE / DIVISION OF INDUSTRIAL COMPLIANCE
BUREAU OF BUILDING CODE COMPLIANCE
6606 Tussing Rd, P.O.Box 4009, Reynoldsburg, Ohio 43068

CPA # _____

LOG SHEET TO BE KEPT ON JOB SITE

DATE	INSPECTED BY	RESULTS

PROJECT INFORMATION

SCOPE OF WORK

THE PROPOSED PROJECT SHALL COMPLY WITH ALL COUNTY APPLICABLE CODES:

CODE COMPLIANCE

INTERNATIONAL BUILDING CODE 2015 EDITION

INTERNATIONAL MECHANICAL CODE 2015 EDITION

INTERNATIONAL ELECTRICAL CODE 2014 EDITION

ADA ACCESSIBILITY GUIDELINES ADAPTED 2012

INTERNATIONAL ENERGY CONSERVATION CODE 2012

LEGAL DESCRIPTION

BUILDING	SPACE	OCCUPANCY	SIZE	BUILDING HEIGHT
O&M BUILDING	OFFICE	B	2,668 SQ. FT.	14'-0"
	SHOP	F-1	2,668 SQ. FT.	14'-0"
TOTAL			5,336 SQ. FT.	14'-0"

BUILDING CODE ANALYSIS - O&M BUILDING

PROJECT DESCRIPTION
THE PROPOSED PROJECT IS A 14,000 SQ. FT. BUILDING WITH 14,000 SQ. FT. OF OFFICE SPACE AND 14,000 SQ. FT. OF SHOP SPACE. THE BUILDING WILL BE USED FOR THE STORAGE OF TOOLS AND EQUIPMENT.

LEGAL DESCRIPTION
F-1: 2,668 SQ. FT. TYPE 10 - MECHANICAL, 3,000 SQ. FT. 11 - STORES
F-1: 2,668 SQ. FT. TYPE 10 - MECHANICAL, 3,000 SQ. FT. 11 - STORES
F-1: 2,668 SQ. FT. TYPE 10 - MECHANICAL, 3,000 SQ. FT. 11 - STORES
F-1: 2,668 SQ. FT. TYPE 10 - MECHANICAL, 3,000 SQ. FT. 11 - STORES

SEVERITY CALCULATIONS PER TABLE 1004.11.5(2)

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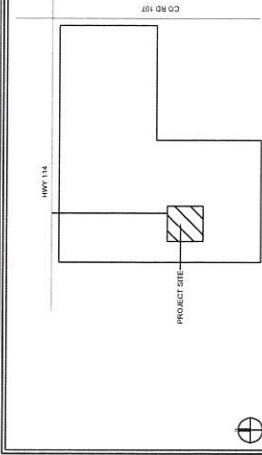
SEVERITY CALCULATIONS PER TABLE 1004.11.5(2)

IEA WHITE

HAVILAND - O&M

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PAULDING CO, OHIO



CONTACT LIST

OWNER

IEA WHITE

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RAYBURN DONALSON
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MECHANICAL
STATE OF TEXAS



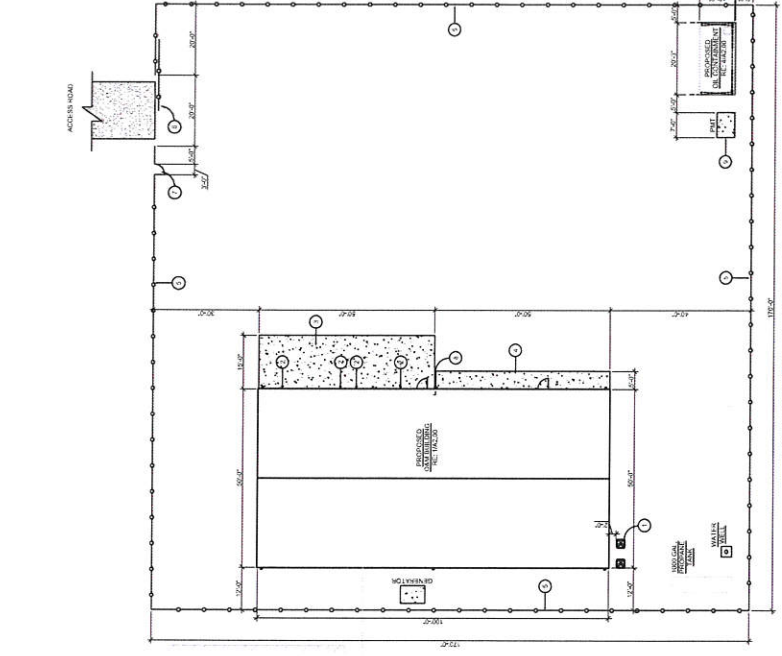
EA WHITE - HAVILAND
O&M BUILDING
PALM BEACH COUNTY, FL

SHEET: SITE PLAN

REVISIONS:	
DATE:	
BY:	
CHECKED BY:	
APPROVED BY:	

PROJECT: MB184009
DATE: 03-26-18
SHEET: 1

A1.00



ARCHITECTURAL SITE PLAN FOR REFERENCE ONLY - FOR WORK BY OTHERS

CPA # 2018020602 (FENCE) - March 27, 2018



ARCHITECTURAL SITE PLAN
1" = 30'

SYMBOL LEGEND
CONCRETE
GENERAL NOTES
WHERE APPLICABLE:
ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 150 SLOPE IN EITHER DIRECTION
ACCESSIBLE ROUTES FROM PARKING TO BUILDING SHALL NOT EXCEED 150 SLOPE
NO CROSS SLOPES SHALL EXCEED 150 (5.0% SLOPE) OR 1/4" PER FOOT IN ANY LOCATION

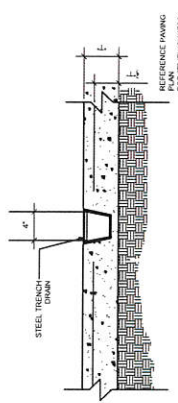
GENERAL NOTES 11

GENERATOR
UMC TANK GENERATOR EXHAUST OUTLETS SHALL BE 18" MIN FROM FRONT LINES, 2' FROM EXIST WALLS OR ROOF, 1' FROM EXIST OPENINGS.
UTILITIES
ELECTRIC PERMANENT POWER SERVICE PROVIDED BY COMPANY
SEWER, SEPTIC SYSTEM INSTALLATION ALLOWANCE INCLUDED PER CONTRACT
INTERNET PERMANENT FIBER SERVICE PROVIDED BY COMPANY

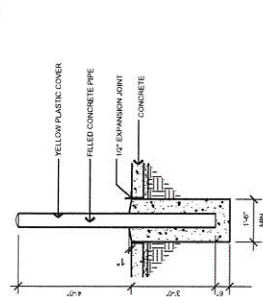
UTILITIES NOTES 10

KEY NOTES
1 LOCATION OF HANDS PROVIDE EMBLEM AND AS RECOMMENDED BY MANUFACTURER - SHIELD
2 HANDS - PROVIDE OFF SET AND PROTECTORS TO AVOID SNOW DAMAGE
3 PROVIDE 1/2" HIGH CONCRETE FILLER PIPE BOLLARD PLASTIC YELLOW CAP (TYPICAL) - SEE TANK
4 PROVIDE 1/2" WIDE CONCRETE SIDEWALK WITH CONTINUOUS CURB AT 4" O.C. (TYP.)
5 PROVIDE 4" HIGH 2" FRESH TYPE ZINC COATED GALV STEEL WIRE FENCE - SEE TANK
6 PROVIDE 4" WIDE GATED OPENING EQUIPPED WITH A SINGLE CANTILEVERED SLIDING GATE - MANUAL OPERATION
7 PROVIDE 3'-0" WIDE WALK GATE NEXT TO MAIN GATE
8 PROVIDE 4" WIDE TRENCH DRAIN AT CONCRETE - SEE TANK

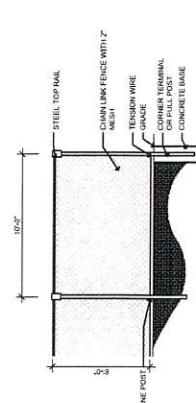
KEY NOTES 9



TRENCH DRAIN DETAIL 15
1/2" = 1'-0"



BOLLARD DETAIL 14
1/2" = 1'-0"



CHAIN LINK FENCE DETAIL 13
1/4" = 1'-0"



Ohio Department of Commerce
Division of Industrial Compliance

John R. Kasich
Governor

Jacqueline T. Williams
Director

Geoffrey D. Eaton
Chief Building Official

Certificate of Final Plan Approval

Plan Number: 2018020603	Property Address: 11874 SR 144 HAVILAND OH 45851	County: PAULDING
Date of Approval: 03/27/2018	Type of Project: New Building	Governing Building Code: OBC 2017
Building / Business Name: NWOWF O&M OIL SHED	Description of the Project: OIL SHED	
Property Owner: STARWOOD ENERGY GROUP GLOBAL LLC ALEX DABERKO 5 GREENWICH OFFICE PARK Floor 2ND GREENWICH CT 06831	Submitter: BRIAN MARTIN 33126 MAGNOLIA CIR Suite 200 MAGNOLIA TX 77354-1629	Design Professional: RAYBURN DONALDSON 2118 LAMAR ST Suite 200 HOUSTON TX 77003
Approved Scope of Project: General Building Trade	Authorized No. of Inspections: 5	Use Occupancy Groups: S-1
		Construction Type: Type II B
		Number of Stories: 1
		Building Occupant Load: 1

The list of required inspections is specified in section 108 OBC. The owner or the owner's authorized agent is responsible for requesting applicable inspections accordingly. This certificate shall remain posted in a conspicuous and safe place on the job site until the work is completed. Failure to meet these requirements may result in the refusal of service and/or the issuance of an adjudication order. The building/structure shall pass final inspection and a State of Ohio Certificate of Use and Occupancy shall be issued before the building/structure can be legally occupied. The owner is responsible for obtaining all local zoning and sewage permits. In order to schedule an inspection, contact the numbers listed on the bottom of this certificate between the hours of 8:15 am and 2:30 pm.

Structural / Electrical / Plumbing 1-800-822-3208 8:15 am to 2:30 pm	State Fire Marshal 614-728-5460	All Other Inquiries 1-800-523-3581 8:00 am to 5:00 pm
---	---	--

State Inspector's Signature for Occupancy:

Building Official Signature:

Final Structural Approval: _____ Date: _____

Final Electrical Approval: _____ Date: _____

Final Plumbing Approval: _____ Date: _____

Final Fire Approval: _____ Date: _____

Ohio Department of Commerce
Division of Industrial Compliance
6606 Tussing Road, PO Box 4009
Reynoldsburg, OH 43068-9009 U.S.A.
(614) 644-2622 Fax: (614) 644-3145



CPA # _____

LOG SHEET TO BE KEPT ON JOB SITE

DATE _____

INSPECTED BY

RESULTS

[illegible]

SCOPE OF WORK

THE PROPOSED FACILITY CONSISTS OF THE CONSTRUCTION OF A GROUND-UP, 6,000 S.F. PREFABRICATED METAL BUILDING. THE FACILITY IS COMPRISED OF AN OFFICE AND SHOP THAT WILL BE USED FOR THE REPAIR, STORAGE OF TOOLS AND PARTS FOR WIND TURBINES.

THE PROPOSED PROJECT SHALL COMPLY WITH ALL COUNTY APPLICABLE CODES:
 INTERNATIONAL BUILDING CODE 2015 ED.
 INTERNATIONAL FIRE CODE 2015 ED.
 INTERNATIONAL MECHANICAL CODE 2015 ED.
 INTERNATIONAL PLUMBING CODE 2015 ED.
 INTERNATIONAL ELECTRICAL CODE 2015 ED.
 INTERNATIONAL ENERGY CONSERVATION CODE 2012

BUILDING	SPACE	OCCUPANCY	SIZE	BUILDING HEIGHT
OMM BUILDING	OFFICE	B	2,564 SQ FT	14'-0"
	SHOP	F-1	2,464 SQ FT	14'-0"
TOTAL BUILDING			5,000 SQ FT	14'-0"

PROJECT DESCRIPTION
 82,200 S.F. (TYPE VII - LIMITATIONS: 9,000 S.F.; 1 STORY(S))
 THE AREAS LABELED AS OFFICE WILL SERVE A BUSINESS GROUP B OCCUPANCY WHERE THE TENANT'S SPECIFIC USE WILL BE OFFICE, PROFESSIONAL TRANSACTIONS, AND STORAGE OF RECORDS AND ACCOUNTS.

OCCUPANCY CALCULATIONS PER TABLE 1024.11 IBC1

TOTAL OCCUPANT = 25 + 25 = 50 TOTAL OCCUPANTS

CONSTRUCTION TYPE

TYPE VIB - MEDIUM-RISE, ELEV.

NOTE: ALL APPLICABLE CODE REQUIREMENTS ARE ADDRESSED IN THE PLAN AND ARE ASSURED, INCLUDING, BUT NOT LIMITED TO: CHAPTER 6, TYPES OF CONSTRUCTION; CHAPTER 8, INTERIOR FINISHES; CHAPTER 9, MECHANICAL SYSTEMS; CHAPTER 10, ELECTRICAL SYSTEMS; CHAPTER 11, PLUMBING; CHAPTER 12, FUEL GAS; CHAPTER 13, SAFETY; CHAPTER 14, SPECIAL INSULATION; CHAPTER 15, GLAZING; CHAPTER 16, ROOFING; CHAPTER 17, EXTERIOR FINISHES; CHAPTER 18, SIGNAGE; CHAPTER 19, ACCESSIBILITY; CHAPTER 20, RECORD DOCUMENTATION; CHAPTER 21, MAINTENANCE; CHAPTER 22, ENERGY EFFICIENCY; CHAPTER 23, SUSTAINABILITY; CHAPTER 24, ENVIRONMENTAL QUALITY; CHAPTER 25, TRANSPORTATION; CHAPTER 26, UTILITIES; CHAPTER 27, TELECOMMUNICATIONS; CHAPTER 28, SECURITY; CHAPTER 29, HISTORIC PRESERVATION; CHAPTER 30, ARCHITECTURAL QUALITY; CHAPTER 31, LANDSCAPE ARCHITECTURE; CHAPTER 32, PUBLIC WORKS; CHAPTER 33, SPECIAL USES; CHAPTER 34, OTHER SPECIAL REQUIREMENTS.

ALL OCCUPANCY/USE DESCRIPTION IS BASED ON INFORMATION PROVIDED BY THE TENANT/BUILDING OWNER/CLIENT - METHOD ARCHITECTURE, LLC. IS NOT RESPONSIBLE FOR ANY FALSIFIED INFORMATION

PER BIC: 100% MULTIPLE MEANS OF EGRESS SHALL BE SIZED SUCH THAT THE LOSS OF ANY ONE MEANS OF EGRESS SHALL ALLOW REMAINING OTHER EGRESS COMPONENTS WIDTH: 56 OCCUPANTS x 2 INCHES = 112" REQUIRED ; 60' MIN PROVIDED

TRAVEL DISTANCE LIMITATIONS: IBC 1016.2: EXITS SHALL BE LOCATED ON EACH STORY SUCH THAT THE MAXIMUM LENGTH OF EXIT ACCESS TRAVEL, MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY TO THE ENTRANCE TO AN EXIT ALONG THE NATURAL AND COMMON TRAVEL PATH DOES NOT EXCEED 75 FT (23 M), OCCUPANCY AGEN-

TWO EXITS OR EXIT ACCESS DOORWAYS, BIC 1915.2.1.2, WHERE TWO EXITS OR EXIT ACCESS DOORWAYS ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN EXITS, DOORWAYS OR EXIT ACCESS DOORWAYS.

STORY.
OCCUPANT LOAD PER STORY 1-500 = 2 REQUIRED; 2 MIN PROVIDED

BF-1	LESS THAN 30	0
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WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO

PLUMBING FIXTURE CALCULATIONS -50 OCCUPANTS (25/B / 25/F)			
FIXTURE TYPE	REQUIRED	PROVIDED	REMARKS
WATER CLOSETS	2	2	B: 1 per 25 occupants for 1st 50, 1 per 50 for the remainder exceeding F: 1 per 100 occupants

LAVATORIES	2	2
SERVICE SINK	1	1
DRINKING WATER	1	1

SEE 1 per 40 for this first 80 and 1 per 80 for the remainder according to
F: 1 per 100 occupants

OWNER PROVIDED DRINKING WATER SUPPLY - BOTTLED WATER COOLER, ETC. WILL BE PROVIDED IN LIEU OF HALLOW DRINKING FOUNTAIN

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[illegible][illegible]

PA # 2018020603 (OIL SHED) - March 27, 2018

1. THE CONTRACTOR, IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THESE CONTRACT DOCUMENTS, SHALL PROVIDE ALL MATERIALS, EQUIPMENT, LABOR AND SUPERVISION REQUIRED, WITH ALL WORKS BEING PERFORMED IN A GOOD WORKMANLIKE MANNER.
2. ALL WORK SHALL BE DONE BY CONTRACTORS SHALL OBTAIN AND PAY FOR ALL PERMITS, INSPECTION FEES AND DEPOSITS REQUIRED FOR THE INSTALLATION OF ALL WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL FOR LOCAL INSPECTIONS AND OBTAIN APPROVAL FROM CITY INSPECTORS. MATERIAL, TESTING BY THIRD PARTY AND PAY FOR BY OWNER.
3. SUBCONTRACTORS ARE REQUIRED TO CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS COVERING ALL TRADES SO THAT ALL WORK WILL BE PROPERLY COORDINATED, AVOIDING ANY DELAYS RESULTING FROM MIS-COORDINATION OF SPACE REQUIREMENTS SHALL BE SETTLED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND WITHOUT RECOURSE TO WHOME MATERIAL WAS INSTALLED FIRST, BUT AS REQUIRED FOR PROPER FULFILLING OF THE CONFLICTING SITUATION AS APPROVED BY THE ARCHT.

5. THE CONTRACTOR IS RESPONSIBLE FOR PERSONNEL AND METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TO PROTECT THE STRUCTURE AND PERSONNEL DURING CONSTRUCTION. THIS INCLUDES BUT NOT BE LIMITED TO BRACING, SHORING OF LOADS DUE TO CONSTRUCTION, DEMOLITION, EXCAVATION, PROTECTING, SCAFFOLDING, JOB SITE SAFETY, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT, OWNER, OR ENGINEER SHALL NOT INCLUDE INSPECTION OF ABOVE ITEMS. THE CONTRACTOR AND SUBCONTRACTORS SHALL NOT USE REPRESENTATIONS OF THE CONTRACT DOCUMENTS AS SHOP DRAWINGS OR BASIS OF SHOP DRAWINGS, WITHOUT WRITTEN AUTHORIZATION BY THE ARCHITECT. THE ARCHITECT ASSUMES NO LIABILITY AS THE RESULT OF THE USE OF REPRESENTATIONS OF THE CONTRACT DOCUMENTS FOR SHOP DRAWINGS.
7. THE CONTRACTOR SHALL VOUCH FOR ALL DIMENSIONS, CONDITIONS, ETC. PRIOR TO BEGINNING CONSTRUCTION AND NOTIFY ARCHITECT IN WRITING. THE CONTRACTOR SHALL PROCEED WITH WORK SHALL BE CONSIDERED ACCEPTED BY THE CONTRACTOR THAT ALL CONDITIONS ARE CORRECT AND THE DRAWINGS, SPECIFICATIONS, AND SHOP DRAWINGS ARE COMPLETELY CORRECT AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING CONSTRUCTION. VERIFICATION IN THE FIELD BY THE CONTRACTOR, AND HE SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING ON WITH CONSTRUCTION.
9. SUBCONTRACTORS SHALL VISIT THE SITE AND INFORM CONTRACTOR OF ANY CONDITIONS THAT MAY AFFECT THE EXECUTION OF THE WORK PRIOR TO COMMENCING ANY AFFECTED WORK.
10. ALL PRODUCTS AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS UNLESS SPECIFICALLY NOTED TO THE CONTRARY. NOTIFY DESIGN IF MANUFACTURER'S REQUIREMENTS ARE MORE STRINGENT.
11. CONTRACTOR SHALL PROVIDE FINISHES TO SUBCONTRACTORS SHALL BE NEW AND FREE FROM DEFECTS.
12. MATERIALS AND EQUIPMENT FURNISHED BY SUBCONTRACTORS SHALL BE NEW AND FREE FROM DEFECTS.
13. CONTRACTOR SHALL PROTECT BACKING BEHIND FINISH WALL AND CEILING SURFACES FOR SUPPORT AND ATTACHMENT OF CASEWORK, SHELVING, MIRRORS, REGARDORS, COUNTERS, TOILET PARTITIONS AND ACCESSORIES ETC.
14. WHEN REFERENCE IS MADE TO OTHER TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM OR WHICHEVER IS MORE STRINGENT.
14. ESTABLISH AND VERIFY ALL OPENING AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING PRIOR TO CONSTRUCTION.
15. NOTIFY ARCHITECT OF COMPLET IN DETAILS ON GENERAL NOTES AND TYPICAL DETAILS WHERE NO SPECIFIC DETAILS ARE SHOWN. THE CONTRACTOR SHALL CONFORM TO SIMILAR WORK ON THE PROJECT AND TO APPLICABLE CODES. DETAILS NOTED AS "TYPICAL" SHALL BE CONSIDERED AS SUCH UNLESS OTHERWISE NOTED.
16. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN LOCAL JURISDICTION.
17. IN CASE OF PLAN LOCATION CONFLICTS BETWEEN DISCIPLINES, NOTIFY ARCHITECT DESIGN INTENT.
18. ALL DRAWING REFERENCES TO MATERIALS ARE GENERAL IN NATURE UNLESS OTHERWISE NOTED. REFER TO SPECIFICATIONS FOR TYPES, CHARACTERISTICS AND REQUIREMENTS OF SPECIFIC MATERIALS.
19. THE METHOD OF CONSTRUCTION, DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE CONSTRUCTION SEQUENCE. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY ARCHITECT OR ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
20. THESE DOCUMENTS ARE NOT TO BE USED FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED UNLESS AUTHORIZED IN WRITING BY THE ARCHITECT OF RECORD.
21. SHOP DRAWINGS ARE TO COMPLEMENT AND SUPPLEMENT CONSTRUCTION DOCUMENTS. WHEN CONFLICTING INFORMATION IS PROVIDED IN SHOP DRAWINGS AND CONSTRUCTION DOCUMENTS, NOTIFY ARCHITECT PRIOR TO PROCEEDING. REVIEW OF SHOP DRAWINGS BY ARCHITECT DOES NOT RELIEVE SUBCONTRACTOR OF RESPONSIBILITY FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS.
22. ALL UNWALL PARTITIONS ARE DIMENSIONED TO A FINISH WALL TO FACE OF FINISH WALL, UNLESS OTHERWISE NOTED.
23. ALL CEILING GROUND PARTITIONS SHALL BE TAPE, BUILT, TEXTURE E.T.C. FINISH UNLESS OTHERWISE NOTED.
24. REUSE GENERATED BY WORK SHALL BE REMOVED FROM PROJECT SITE ON A DAILY BASIS. COORDINATE DUMPSTER LOCATION WITH OWNER TO AVOID ACCESS AND PARKING CONFLICTS.
25. THE CONTRACTOR SHALL PROVIDE ALL ACCESS AND PARKING CONFLICTS.
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PA # 2018020603 (OIL SHED) - March 27, 2018

SCOPE OF WORK

THE PROPOSED FACILITY CONSISTS OF THE CONSTRUCTION OF A GROUND-UP, 6,000 S.F. PREFABRICATED METAL BUILDING. THE FACILITY IS COMPRISED OF AN OFFICE AND SHOP THAT WILL BE USED FOR THE REPAIR, STORAGE OF TOOLS AND PARTS FOR WIND TURBINES.

THE PROPOSED PROJECT SHALL COMPLY WITH ALL COUNTY APPLICABLE CODES:
 INTERNATIONAL BUILDING CODE 2015 ED.
 INTERNATIONAL FIRE CODE 2015 ED.
 INTERNATIONAL MECHANICAL CODE 2015 ED.
 INTERNATIONAL PLUMBING CODE 2015 ED.
 INTERNATIONAL ELECTRICAL CODE 2015 ED.
 INTERNATIONAL ENERGY CONSERVATION CODE 2012

BUILDING	SPACE	OCCUPANCY	SIZE	BUILDING HEIGHT
OMM BUILDING	OFFICE	B	2,564 SQ FT	14'-0"
	SHOP	F-1	2,464 SQ FT	14'-0"
TOTAL BUILDING			5,000 SQ FT	14'-0"

PROJECT DESCRIPTION
 82,200 S.F. (TYPE VII - LIMITATIONS: 9,000 S.F.; 1 STORY(S))
 THE AREAS LABELED AS OFFICE WILL SERVE A BUSINESS GROUP B OCCUPANCY WHERE THE TENANT'S SPECIFIC USE WILL BE OFFICE, PROFESSIONAL TRANSACTIONS, AND STORAGE OF RECORDS AND ACCOUNTS.

OCCUPANCY CALCULATIONS PER TABLE 1024.11 IBC1

TOTAL OCCUPANT = 25 + 25 = 50 TOTAL OCCUPANTS

CONSTRUCTION TYPE

TYPE VIB - MEDIUM-RISE, ELEV.

NOTE: ALL APPLICABLE CODE REQUIREMENTS ARE ADDRESSED IN THE PLAN AND ARE ASSURED, INCLUDING, BUT NOT LIMITED TO: CHAPTER 6, TYPES OF CONSTRUCTION; CHAPTER 8, INTERIOR FINISHES; CHAPTER 9, MECHANICAL SYSTEMS; CHAPTER 10, ELECTRICAL SYSTEMS; CHAPTER 11, PLUMBING; CHAPTER 12, FUEL GAS; CHAPTER 13, SAFETY; CHAPTER 14, SPECIAL INSULATION; CHAPTER 15, GLAZING; CHAPTER 16, ROOFING; CHAPTER 17, EXTERIOR FINISHES; CHAPTER 18, SIGNAGE; CHAPTER 19, ELEVATORS; CHAPTER 20, ESCALATORS; CHAPTER 21, RAILROADS; CHAPTER 22, AIRCRAFT; CHAPTER 23, MARINE VESSELS; CHAPTER 24, AMUSEMENT RIDES; CHAPTER 25, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 26, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 27, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 28, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 29, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 30, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 31, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 32, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 33, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 34, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 35, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 36, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 37, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 38, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 39, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 40, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 41, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 42, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 43, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 44, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 45, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 46, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 47, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 48, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 49, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 50, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 51, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 52, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 53, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 54, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 55, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 56, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 57, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 58, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 59, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 60, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 61, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 62, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 63, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 64, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 65, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 66, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 67, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 68, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 69, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 70, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 71, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 72, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 73, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 74, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 75, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 76, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 77, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 78, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 79, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 80, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 81, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 82, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 83, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 84, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 85, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 86, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 87, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 88, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 89, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 90, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 91, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 92, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 93, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 94, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 95, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 96, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 97, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 98, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 99, STRUCTURES FOR SPECIAL OCCASIONS; CHAPTER 100, STRUCTURES FOR SPECIAL OCCASIONS.

ALL OCCUPANCY/USE DESCRIPTION IS BASED ON INFORMATION PROVIDED BY THE TENANT/BUILDING OWNER/CLIENT - METHOD ARCHITECTURE, LLC. IS NOT RESPONSIBLE FOR ANY FALSIFIED INFORMATION

PER BIC: 100% MULTIPLE MEANS OF EGRESS SHALL BE SIZED SUCH THAT THE LOSS OF ANY ONE MEANS OF EGRESS SHALL ALLOW REMAINING OTHER EGRESS COMPONENTS WIDTH: 56 OCCUPANTS x 2 INCHES = 112" REQUIRED ; 60' MIN PROVIDED

TRAVEL DISTANCE LIMITATIONS: IBC 1016.2: EXITS SHALL BE LOCATED ON EACH STORY SUCH THAT THE MAXIMUM LENGTH OF EXIT ACCESS TRAVEL, MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY TO THE ENTRANCE TO AN EXIT ALONG THE NATURAL AND COMMON TRAVEL PATH DOES NOT EXCEED 75 FT (23 M), OCCUPANCY AGEN-

TWO EXITS OR EXIT ACCESS DOORWAYS, BIC 1915.2.1.2, WHERE TWO EXITS OR EXIT ACCESS DOORWAYS ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN EXITS, DOORWAYS OR EXIT ACCESS DOORWAYS.

STORY.
OCCUPANT LOAD PER STORY 1-500 = 2 REQUIRED; 2 MIN PROVIDED

BF-1	LESS THAN 30	0
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WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO

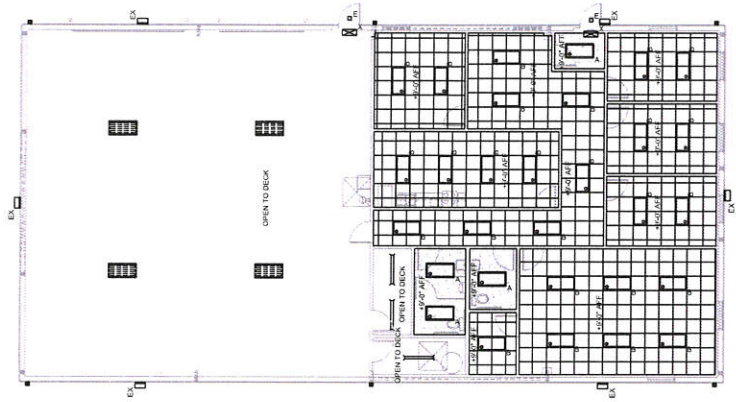
PLUMBING FIXTURE CALCULATIONS -50 OCCUPANTS (25/B / 25/F)			
FIXTURE TYPE	REQUIRED	PROVIDED	REMARKS
WATER CLOSETS	2	2	B: 1 per 25 occupants for 1st 50, 1 per 50 for the remainder exceeding F: 1 per 100 occupants

LAVATORIES	2	2
SERVICE SINK	1	1
DRINKING WATER	1	1

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VISIONS:			
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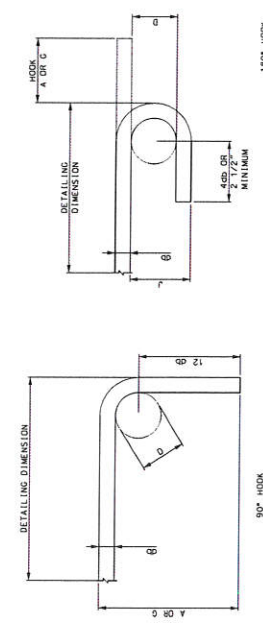


LEGEND AND SCHEDULES 14

ELEVATION KEY NOTES

1. LED EXTERIOR WALL PACK (PHOTOCODE) - RE: MEP, RCP
2. PROVIDE NEW 6" ROUND, 4" HIGH CONCRETE FILL PIPE (H) AND WHERE SHOWN - COLOR ON TWO (TYP) - RE: S&UT
3. PROVIDE SURFACE MOUNTED CONDUIT - SURFACE (DRAIN WITH S&UTS BLOCK)
4. PROVIDE SURFACE MOUNTED DRAINPOUT - DRAIN TO TROUGH - RE:CA-50
5. APPROXIMATE LOCATION OF LOWER - COLOR TWO - FIELD SHARP EXACT MOUNTING HEIGHT - RE: MEP FOR EXACT SIZE.

KEY NOTES 13



END HOOK DIMENSIONS

BAR SIZE	FINISHED HOOK DIAMETER (INCHES)	180° HOOKS A OR C' (INCHES)	90° HOOKS A OR C' (INCHES)
#3	2 1/4	5	3
#4	3	6	4
#5	3 3/4	7	5
#6	4	8	6
#7	4 1/2	9	7
#8	5	10	8
#9	5 1/2	11	9
#10	6	12	10
#11	6 1/2	13	11
#12	7	14	12
#13	7 1/2	15	13
#14	8	16	14
#15	8 1/2	17	15
#16	9	18	16
#17	9 1/2	19	17
#18	10	20	18
#19	10 1/2	21	19
#20	11	22	20
#21	11 1/2	23	21
#22	12	24	22
#23	12 1/2	25	23
#24	13	26	24
#25	13 1/2	27	25
#26	14	28	26
#27	14 1/2	29	27
#28	15	30	28
#29	15 1/2	31	29
#30	16	32	30
#31	16 1/2	33	31
#32	17	34	32
#33	17 1/2	35	33
#34	18	36	34
#35	18 1/2	37	35
#36	19	38	36
#37	19 1/2	39	37
#38	20	40	38
#39	20 1/2	41	39
#40	21	42	40
#41	21 1/2	43	41
#42	22	44	42
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#44	23	46	44
#45	23 1/2	47	45
#46	24	48	46
#47	24 1/2	49	47
#48	25	50	48
#49	25 1/2	51	49
#50	26	52	50
#51	26 1/2	53	51
#52	27	54	52
#53	27 1/2	55	53
#54	28	56	54
#55	28 1/2	57	55
#56	29	58	56
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#166	84	168	166
#167	84 1/2	169	167
#168	85	170	168
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#171	86 1/2	173	171
#172	87	174	172
#173	87 1/2	175	173
#174	88	176	174
#175	88 1/2	177	175
#176	89	178	176
#177	89 1/2	179	177
#178	90	180	178
#179	90 1/2	181	179
#180	91	182	180
#181	91 1/2	183	181
#182	92	184	182
#183	92 1/2	185	183
#184	93	186	184
#185	93 1/2	187	185
#186	94	188	186
#187	94 1/2	189	187
#188	95	190	188
#189	95 1/2	191	189
#190	96	192	190
#191	96 1/2	193	191
#192	97	194	192
#193	97 1/2	195	193
#194	98	196	194
#195	98 1/2	197	195
#196	99	198	196
#197	99 1/2	199	197
#198	100	200	198
#199	100 1/2	201	199
#200	101	202	200
#201	101 1/2	203	201
#202	102	204	202
#203	102 1/2	205	203
#204	103	206	204
#205	103 1/2	207	205
#206	104	208	206
#207	104 1/2	209	207
#208	105	210	208
#209	105 1/2	211	209
#210	106	212	210
#211	106 1/2	213	211
#212	107	214	212
#213	107 1/2	215	213
#214	108	216	214
#215	108 1/2	217	215
#216	109	218	216
#217	109 1/2	219	217
#218	110	220	218
#219	110 1/2	221	219
#220	111	222	220
#221	111 1/2	223	221
#222	112	224	222
#223	112 1/2	225	223
#224	113	226	224
#225	113 1/2	227	225
#226	114	228	226
#227	114 1/2	229	227
#228	115	230	228
#229	115 1/2	231	229
#230	116	232	230
#231	116 1/2	233	231
#232	117	234	232
#233	117 1/2	235	233
#234	118	236	234
#235	118 1/2	237	235
#236	119	238	236
#237	119 1/2	239	237
#238	120	240	238
#239	120 1/2	241	239
#240	121	242	240
#241	121 1/2	243	241
#242	122	244	242
#243	122 1/2	245	243
#244	123	246	244
#245	123 1/2	247	245
#246	124	248	246
#247	124 1/2	249	247
#248	125	250	248
#249	125 1/2	251	249
#250	126	252	250
#251	126 1/2	253	251
#252	127	254	252
#253	127 1/2	255	253
#254	128	256	254
#255	128 1/2	257	255
#256	129	258	256
#257	129 1/2	259	257
#258	130	260	258
#259	130 1/2	261	259
#260	131	262	260
#261	131 1/2	263	261
#262	132	264	262
#263	132 1/2	265	263
#264	133	266	264
#265	133 1/2	267	265
#266	134	268	266
#267	134 1/2	269	267
#268	135	270	268
#269	135 1/2	271	269
#270	136	272	270
#271	136 1/2	273	271
#272	137	274	272
#273	137 1/2	275	273
#274	138	276	274
#275	138 1/2	277	275
#276	139	278	276
#277	139 1/2	279	

FOUNDATION GENERAL NOTES:
 SEE PLAN FOR SLAB THICKNESS AND REINFORCEMENT.
 TOP COVER OVER TO WEL VAPOR BARRIER AND 2" (MAX.)
 REINFORCEMENT SHALL BE PREPARED IN ACCORDANCE WITH
 SELECT FILL MATERIAL REQUIRED TO BUILD BUILDING
 PAD TO GRADE SHALL BE PREPARED IN ACCORDANCE WITH
 AND THE GEOTECHNICAL ENGINEER'S REPORT.

ANCHOR BOLT NOTE:

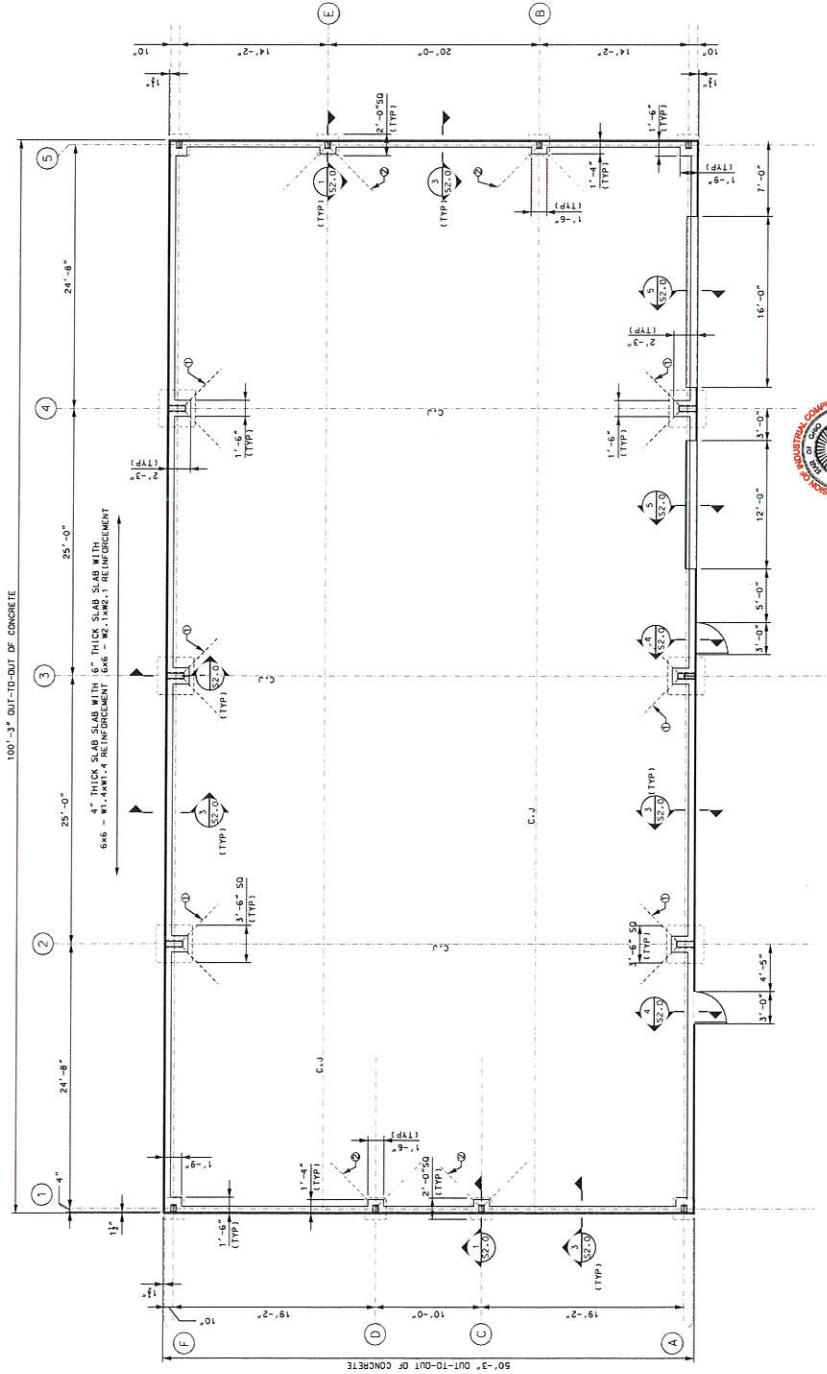
COORDINATE THIS FOUNDATION PLAN WITH THE ANCHOR
 BOLT SETTING PLAN SUPPLIED BY THE OWNER AND
 CONSTRUCTION BIDDING AND SOLUTIONS JOB
 NO. 15-013-740-08 DATED 2/26/18.

NOTES:

1. FOR CONCRETE GENERAL NOTES, SEE DWG
 50-0.
3. SEE DETAIL 5/20.1 FOR ANCHOR BOLT DETAIL.
4. C.J. - CONTROL JOINT (RE: 2/52.0)

CONSTRUCTION NOTES:

1. PROVIDE TWO (2) #5 X 13'-4" LONG MATRIN
 EACH COLUMN 45 DEGREES TO CENTERLINE OF
 COLUMN (TYPICAL 4 LOCATIONS)
2. PROVIDE ONE (1) #5 X 13'-4" LONG MATRIN
 AT EACH COLUMN 45 DEGREES TO CENTERLINE OF
 COLUMN (TYPICAL 4 LOCATIONS)

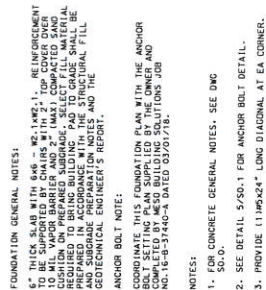


1 FOUNDATION PLAN
 SCALE: 1/8" = 1'-0"



CPA # 2018022603 (OIL SHED) - March 27, 2018





CPA # 2018020603 (OIL SHED) - March 27, 2018

1 OIL CONTAINMENT FOUNDATION PLAN
SCALE: 1"=1'-0"

H2B, INC.
Texas Firm Registration No. 8856
1225 N Loop W, Suite 800
HOUSTON, TX 77008
713.864.2900



IEA WHITE - HAVILAND
O&M BUILDING
PAULding COUNTY, OH

HEET:
IL CONTAINMENT
FDN PLAN

ISSUE FOR CONSTRUCTION

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[illegible]

DATE: 03-14-18

HEET:

S1.1



BUILDER/CONTRACTOR RESPONSIBILITIES

Drawing Validity - These drawings, supporting structural calculations and design certification are based on the information supplied by the manufacturer. The material supplied by the manufacturer is the responsibility of the manufacturer. The manufacturer is responsible for the design of the material and the design of the drawings. The manufacturer is responsible for the design of the material and the design of the drawings. The manufacturer is responsible for the design of the material and the design of the drawings.

Builder Acceptance of Drawings - Approval of the manufacturer's drawings and design data affirms that the manufacturer has correctly interpreted and applied the requirements of the order documents and constitutes acceptance of the manufacturer's interpretation of the order documents and tolerances. (ASCE code of standard practice Sept 86 Section 4.2.1) (Mar 05 Section 4.4.1)

Code Official Approval - It is the responsibility of the Builder/Contractor to ensure that all project plans and specifications comply with the applicable requirements of any governing building authority. The Builder/Contractor is responsible for securing all required approvals and permits from the appropriate agency as required.

Builder is responsible for State, Federal and OSHA safety compliance - The Builder/Contractor is responsible for applying and observing all pertinent safety rules and regulations and OSHA standards as applicable.

Building Erection - The Builder/Contractor is responsible for all erection of the steel and associated work in connection with the erection of the building. The Builder/Contractor is responsible for the design of the material and the design of the drawings. The Builder/Contractor is responsible for the design of the material and the design of the drawings.

Discrepancies - Where discrepancies exist between the Metal Building plans and plans for other trades, the Metal Building plans will govern. (ASCE Code of Standard Practice Sept 86 Section 3.3) (Mar 05 Section 3.3)

Materials by Others - All interface and compatibility of any materials not furnished by the manufacturer are the responsibility of and to be coordinated by the Builder/Contractor or A/E firm. Unless specific design criteria concerning any interface between materials is furnished as a part of the order documents, the manufacturer's assumptions will govern.

Modification of the Metal Building from Plans - The Metal Building supplied by the manufacturer has been designed according to the Building Code and specifications and the loads shown on this drawing. Any modification of the building, including the addition of any materials, the removal of any materials, or the modification of any materials, shall be the responsibility of the Builder/Contractor or A/E firm. The Metal Building Manufacturer or a Licensed Structural Engineer should be consulted prior to making any changes to the building configuration shown on these drawings. The Metal Building Manufacturer will assume no responsibility for any loads applied to the building not indicated on these drawings.

Foundation Design - The Metal Building Manufacturer is not responsible for the design, materials and workmanship of the foundation. The Metal Building Manufacturer is not responsible for the design, materials and workmanship of the foundation. The Metal Building Manufacturer is not responsible for the design, materials and workmanship of the foundation. The Metal Building Manufacturer is not responsible for the design, materials and workmanship of the foundation.

PROJECT NOTES

Material properties of steel bar, plate, and sheet used in the fabrication of built-up structural framing members conform to ASTM A572, ASTM A572, ASTM A1011 SS, or ASTM A1011 HSLAS with a minimum yield point of 50 ksi. Material properties of hot rolled structural shapes conform to ASTM A992, ASTM A529, or ASTM A572 with a minimum yield point of 50 ksi. Material properties of cold formed steel shapes conform to ASTM C333, minimum yield point of 50 ksi. Material properties of hollow structural shapes conform to ASTM A500 grade B, minimum yield point of 42 ksi. Material properties of cold formed steel shapes conform to ASTM C333, minimum yield point of 50 ksi. Material properties of cold formed steel shapes conform to ASTM C333, minimum yield point of 50 ksi. Material properties of cold formed steel shapes conform to ASTM C333, minimum yield point of 50 ksi.

The manufacturer does not assume any responsibility for the erection nor field supervision of the structure and or any special inspections that may be required by the local building authority during erection (including inspection of the high strength bolts or field welds) as required during erection. The coordination and the costs associated for setting up and Special Inspections are the responsibility of the Erector, Owner, Architect, or Engineer of Record. Design is based upon the more severe loading of either the roof snow load or the roof live load.

Loads, as noted, are given within order documents and are applied in general accordance with the applicable code and/or specification indicated. Neither the manufacturer nor the certifying engineer declares or attests that the design loads may apply or for any specific parameters. The manufacturer's Engineer's certification is limited to design loads supplied by an Architect and/or engineer of record for the overall construction project.

This project is designed using manufacturer's standard serviceability standards. Generally this means that all structural and deflection requirements for deflections and vibrations must be achieved by then they must be clearly stated in the contract documents.

DESIGN LOADING

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS SHOWN BY:

THE BUILDER IS TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

ROOF DEAD LOAD 2.700 PSF

COLLATING (LIGHTS) 1 PSF

ROOF LIVE LOAD 20.00 PSF (REDUCIBLE)

RISK CATEGORY II - Normal

SNOW LOAD 20.000 PSF

SNOW LOAD IMPROVANCE FACTOR (I_s) 1.0000

FLAT ROOF SNOW LOAD (P_f) 16.8 PSF (PER CODE)

MIN ROOF SNOW LOAD (P_m) 20.00 PSF (PER DESIGN)

SNOW EXPOSURE FACTOR (C_e) 1.0

THERMAL FACTOR (C_t) 1.20

WIND LOAD 115 MPH

NOMINAL WIND SPEED 89 MPH (V_{ref})

SERVICEABILITY WIND SPEED 78 MPH

WIND EXPOSURE CATEGORY C

TOPOGRAPHICAL FACTOR 1.0

INTERNAL PRESSURE COEFFICIENT (C_{pi}) 0.55 / -0.55

ZONE 4, COMPONENT WIND LOAD ≤ 100¹

35.458 PSF PRESSURE -37.070 PSF Suction

ZONE 5, COMPONENT WIND LOAD < 100¹

35.458 PSF PRESSURE -44.208 PSF Suction

ZONES PER ASCE 7-10, FIG. 30.4-1

ZONES PRESSURES SHOWN ARE UN-FACTORED

RAIN INTENSITY 5.0 IN/HOUR

SEISMIC DESIGN CATEGORY B

SEISMIC LOAD 5.7700 IN/HOUR

SEISMIC IMPROVANCE FACTOR (I_s) 1.00

S_s 0.1390 S_h 0.1433

S1 0.0620 S2 0.0892

SITE CLASS D STIFF SOIL

SEISMIC DESIGN CATEGORY B

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

COLUMN LINE SMC

BASIC FORCE RESISTING SYSTEM* H

RESPONSE MODIFICATION COEFFICIENT(R) 3

SYSTEM OVER-STRENGTH FACTOR(Q_s) 2.5000

SEISMIC RESPONSE COEFFICIENT(C_s) 0.049

BUDGET DESIGN BASE SHEAR (V) TRANSVERSE 0.10 (N) LONGITUDINAL 0.11

THE LONGITUDINAL DIRECTION IS PERPENDICULAR TO THE ROOF FRAMES

THE TRANSVERSE DIRECTION IS PARALLEL TO THE ROOF FRAMES

BASIC FORCE RESISTING SYSTEM*

H. STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

DRAWING INDEX

PAGE	DESCRIPTION
C1	COVER SHEET
F1	ANCHOR BOLT PLAN
F2	ANCHOR BOLT RECTIONS
F3	ANCHOR BOLT DETAILS
E1	ROOF FRAMING PLAN
E2	ROOF SHEETING PLAN
E3	FRONT SIDEWALL
E4	BACK SIDEWALL
E5	LEFT ENDWALL
E6	RIGHT ENDWALL
DET1-4	STANDARD DETAILS
RT-1RB	INSTALLATION SHEETS

DRAWING STATUS

FOR ERECTOR INSTALLATION

FOR ERECTOR INSTALLATION

THESE DRAWINGS, BEING FOR APPROVAL ARE BY DEFINITION NOT FINAL AND ARE FOR CONCEPTUAL PURPOSES ONLY. THEY ARE NOT TO BE USED FOR CONSTRUCTION. ONLY DRAWINGS ISSUED BY THE MANUFACTURER OR A LICENSED STRUCTURAL ENGINEER CAN BE CONSIDERED AS COMPLETE.

FOR ERECTOR INSTALLATION

THESE DRAWINGS, BEING FOR PERMIT, ARE BY DEFINITION NOT FINAL. ONLY DRAWINGS ISSUED BY THE MANUFACTURER OR A LICENSED STRUCTURAL ENGINEER CAN BE CONSIDERED AS COMPLETE.

FOR ERECTOR INSTALLATION

FOR ERECTOR INSTALLATION

FOR ERECTOR INSTALLATION

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FOR ERECTOR INSTALLATION

Diagram illustrating the footprint of a building with dimensions and structural details:

- Overall Dimensions:**
 - Width: 20'-0" OUT-TO-OUT OF STEEL
 - Depth: 19'-4"
- Eave Details:**
 - Low Eave (Left):** 10'-0" OUT-TO-OUT OF STEEL
 - High Eave (Right):** 10'-0" OUT-TO-OUT OF STEEL
- Structural Features:**
 - X-Bracing:** Indicated on the interior walls.
 - Section Lines:** A-A and B-B are marked.
 - Corner Markers:** 1 and 2 are located at the corners.

**NOTE: ALL BASE PLATES @ 100.0' (U.N.)
ASSUMED FINISH FLOOR @ 100.0' (U.N.)**

ISSUE	DATE	DESCRIPTION	BY	CSN
0	3/ 1/18	FOR ERECTOR I	TOK	MMH
				
<p style="text-align: center;"> 20180226063 (OL SHIELD) - March 27, 2018 20180226063 (OL SHIELD) - March 27, 2018 20180226063 (OL SHIELD) - March 27, 2018 </p>				

MESCO Building Solutions
5244 Bear Creek Court Irving, TX 75061
Voice 214-687-9999 Fax 214-687-9737

SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
N.T.S.	1	A	16-B-37440-A	F1	0



1. THE REACTIONS PROVIDED ARE BASED ON THE ORDERED DOCUMENTS AT THE TIME OF MAKING. ANY CHANGES TO BUILDING LOADS WILL BE SHOWN AND CHANGE THESE REACTIONS. THE REACTIONS WILL BE SHOWN FOR EACH COLUMN AND EACH BEAM.
2. THE REACTIONS ARE PROVIDED AS UN-FACTORED FOR EACH LOAD CASE APPLIED TO THE COLUMN. FOR THE FOUNDATION ENGINEER TO USE, THE REACTIONS MUST BE MULTIPLIED BY THE FACTOR OF THE REACTIONS IN ACCORDANCE WITH THE BUILDING CODE AND THE BUILDING DESIGN. THE REACTIONS FOR EACH GROUP OF COLUMNS AND BEAMS MUST BE TREATED AS INDIVIDUAL GROUPS AND THE REACTIONS FOR EACH GROUP MUST BE DIFFERENT THAN THE REACTIONS FOR THE OTHER GROUPS.
3. THE FOUNDATION ENGINEER MUST PROVIDE THE "MINIMUM" LOAD COMBINATION REACTIONS. HOWEVER, THE INDIVIDUAL LOAD COMBINATION REACTIONS, PROVIDED, MAY BE USED TO DETERMINE THE PROBABLE LOAD COMBINATIONS FOR THE DESIGN PROCEDURES AND ALLOW FOR AN ECONOMIC FOUNDATION DESIGN.
4. THE METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR THE DESIGN OF THE ANCHOR BOLT DIAMETER ONLY TO PERMIT THE ANCHOR BOLT TO BE USED IN THE FOUNDATION. THE ANCHOR BOLT IN STEEL, BRASS, AND TITANIUM, BUT IS NOT RESPONSIBLE FOR THE ANCHOR BOLT EMBEDMENT FOR TRANSFER OF THE REACTIONS TO THE FOUNDATION.
5. THE FOUNDATION DESIGN AND CONSTRUCTION OF THE FOUNDATION MANUFACTURER DOES NOT DESIGN AND IS NOT RESPONSIBLE FOR THE DESIGN OF THE FOUNDATION. THE FOUNDATION ENGINEER MUST PROVIDE THE REACTIONS THAT ARE NEARLY EQUAL TO THE REACTIONS PROVIDED. THE REACTIONS PROVIDED ARE BASED ON THE FOUNDATION DESIGN FOR LOADS APPLIED BY COLUMN REACTIONS OF THE FOUNDATION. THE FOUNDATION ENGINEER MUST PROVIDE THE REACTIONS OF THE SOIL, AND OTHER CONDITIONS OF THE BUILDING SITE OF THE FOUNDATION. THE FOUNDATION ENGINEER MUST PROVIDE THE REACTIONS OF THE SOIL, AND OTHER CONDITIONS OF THE BUILDING SITE OF THE FOUNDATION. THE FOUNDATION ENGINEER MUST PROVIDE THE REACTIONS OF THE SOIL, AND OTHER CONDITIONS OF THE BUILDING SITE OF THE FOUNDATION.
6. THE BOTTOM OF THE FOUNDATION IS BASED ON THE BUILDING DESIGN. (UNLESS NOTED OTHERWISE)
7. THE FOUNDATION IS BASED ON THE BUILDING DESIGN. (UNLESS NOTED OTHERWISE)
8. THE FOUNDATION IS BASED ON THE BUILDING DESIGN. (UNLESS NOTED OTHERWISE)

Firm		Col	Dead	Coldest	Live	Snout	Wind_Left1	Wind_Long2	Wind_Right1	Wind_Left2	Wind_Right2
1	A	0.5	0.1	0.1	0.1	2.6	0.0	-2.7	0.0	1.1	1.6
2	B	0.2	0.1	0.8	0.4	0.4	1.0	-2.5	0.0	-1.3	0.0
3	A	0.5	0.1	0.1	0.1	0.1	0.0	-2.5	0.0	-1.1	-3.4
-- MAX SNOUT --											
Firm		Col	Dead	Coldest	Live	Wind_Long1	Wind_Long2	Wind_Right1	Wind_Left2	Wind_Right2	
1	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
2	B	0.2	0.1	0.8	0.4	0.3	0.2	-1.6	0.1	-0.1	
3	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
-- MAX SNOUT --											
Firm		Col	Dead	Coldest	Live	Wind_Long1	Wind_Long2	Wind_Right1	Wind_Left2	Wind_Right2	
1	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
2	B	0.2	0.1	0.8	0.4	0.3	0.2	-1.6	0.1	-0.1	
3	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
-- MAX SNOUT --											
Firm		Col	Dead	Coldest	Live	Wind_Long1	Wind_Long2	Wind_Right1	Wind_Left2	Wind_Right2	
1	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
2	B	0.2	0.1	0.8	0.4	0.3	0.2	-1.6	0.1	-0.1	
3	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
-- MAX SNOUT --											
Firm		Col	Dead	Coldest	Live	Wind_Long1	Wind_Long2	Wind_Right1	Wind_Left2	Wind_Right2	
1	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
2	B	0.2	0.1	0.8	0.4	0.3	0.2	-1.6	0.1	-0.1	
3	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
-- MAX SNOUT --											
Firm		Col	Dead	Coldest	Live	Wind_Long1	Wind_Long2	Wind_Right1	Wind_Left2	Wind_Right2	
1	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
2	B	0.2	0.1	0.8	0.4	0.3	0.2	-1.6	0.1	-0.1	
3	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
-- MAX SNOUT --											
Firm		Col	Dead	Coldest	Live	Wind_Long1	Wind_Long2	Wind_Right1	Wind_Left2	Wind_Right2	
1	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
2	B	0.2	0.1	0.8	0.4	0.3	0.2	-1.6	0.1	-0.1	
3	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
-- MAX SNOUT --											
Firm		Col	Dead	Coldest	Live	Wind_Long1	Wind_Long2	Wind_Right1	Wind_Left2	Wind_Right2	
1	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
2	B	0.2	0.1	0.8	0.4	0.3	0.2	-1.6	0.1	-0.1	
3	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
-- MAX SNOUT --											
Firm		Col	Dead	Coldest	Live	Wind_Long1	Wind_Long2	Wind_Right1	Wind_Left2	Wind_Right2	
1	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
2	B	0.2	0.1	0.8	0.4	0.3	0.2	-1.6	0.1	-0.1	
3	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
-- MAX SNOUT --											
Firm		Col	Dead	Coldest	Live	Wind_Long1	Wind_Long2	Wind_Right1	Wind_Left2	Wind_Right2	
1	A	0.5	0.1	0.1	0.1	0.3	0.2	-1.6	0.1	-0.1	
2	B	0.2	0.1	0.8	0.4	0.3	0.2	-1.6	0.1	-0.1	

Firm	Col	Inc. Rate Low	Inc. Rate High	Base Price Width	Base Price Length	Thick	Crust (in)
1	B	4	0.025	5.000	8.000	0.375	0.0
1	A	4	0.025	5.000	8.000	0.375	0.0
2	A	4	0.025	5.000	5.000	0.375	0.0
2	B	4	0.025	5.000	8.000	0.375	0.0

BUILDING REACTIONS ARE BASED ON THE FOLLOWING BUILDING DATA:
WIDTH (FT)
= 10
EAVE HEIGHT (FT)
= 12.5 / 13.3
DEAD LOAD (psf) (/12)
= 1.97
COLLATERAL LOAD (psf)
= 2.700
ROOF LIVE LOAD (psf)
= 1
FLOOR LIVE LOAD (psf)
= 20.00 (REDUCIBLE)
ROOF SNOW LOAD (psf)
= 16.8 (PER CODE)
MIL ROOF SNOW LOAD (psf)
= 20.0 (PER DESIGN)
WIND EXPOSURE CATEGORY (per)
= B
WIND SPEED (mph)
= 115
WIND CODE
= IBC 15
WIND TESTS
= Per ASCE
CLOSED/OPEN
= Partial
IMPORTANCE - WIND
= 1.00
IMPORTANCE - SEISMIC
= 1.00
SURVIVABLE
= YES
NOMINAL WIND SPEED (mi/h)
= 89 mph (IBC SECTION 1609.3.1)
SEVEREABILITY WIND SPEED
= 75 MPH
REACTION KEY:

INNO Left/Right 1	=	(with +CO ₂ Internal Pressure)
WIND Left/Right	=	WIND CO ₂ Internal Pressure
WIND Long	=	Wind Co ₂ at Left EN
WIND Long 2	=	Wind Long Co ₂ at Right EN
MIN_SQIN	=	Minimum Snow (Pn) per code
ENUNB 1	=	External Unbalanced Snow Left
ENUNB 2	=	External Unbalanced Snow Right
FNUNB 1	=	Rigid Frame Unbalanced Snow Left
FNUNB 2	=	Rigid Frame Unbalanced Snow Right

Loc	Well	Col Line	Reactions in plane of wall				Panel Shear (to ft)	
			Horz	Vert	Seismic	Wind	Wind	Seis
1	EW	1	B.A.	Bracing used	EW reactions			
2	SW	A	Torsional	Bracing used				
3	EW	2	A.B.	Bracing used	EW reactions			
4	SW	B				1.4	0.1	*

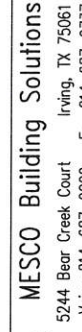
Qty	Locate	Dia (in)	Type	Proj (in)
○ 16	Endwall	5/8"	F1554	2.00

panel diaphragm action is utilized to resist seismic and/or wind forces applied parallel to this elevation. Wall sheathing must be continuous from base to top of wall. The effective base angle to base support in order to be considered effective. The effective length of wall panel at each wall must be determined by rational analysis. Minimum effective length required on this wall for applied force is shown below. Unintended openings not indicated should be avoided without prior consultation with the metal building manufacturer.

N.	FSW	REQ'D.	-	FEET OF CONTINUOUS PANEL*
S.	BSW	REQ'D.	-	FEET OF CONTINUOUS PANEL*
E.	LWS	REQ'D.	-	FEET OF CONTINUOUS PANEL*
W.	RWS	REQ'D.	-	FEET OF CONTINUOUS PANEL*

*THIS MAY BE BROKEN DOWN INTO SEPARATE SECTIONS OF NO LESS THAN 1/2 THE EAVE HEIGHT

MESCO Building Solutions
5244 Bear Creek Court Irving, TX 75061



Voice 214-68/-9999 Fax 214-68/-9757

100

CTION	OWNER: IEA WHITE
-------	------------------

45851

SCALE	PHASE	BUILDING ID	JOB NUMBER
-------	-------	-------------	------------

N.T.S.	1	A	16-B-37440
--------	---	---	------------

Mar 15, 2018

[illegible]





ISSUE	DATE	DESCRIPTION	BY	CD	DSN
0	3/1/18	FOR ERECTOR	TKK	MMH	AMK
1	3/1/18	REV FOR ERECTOR	TKK	MMH	AMK



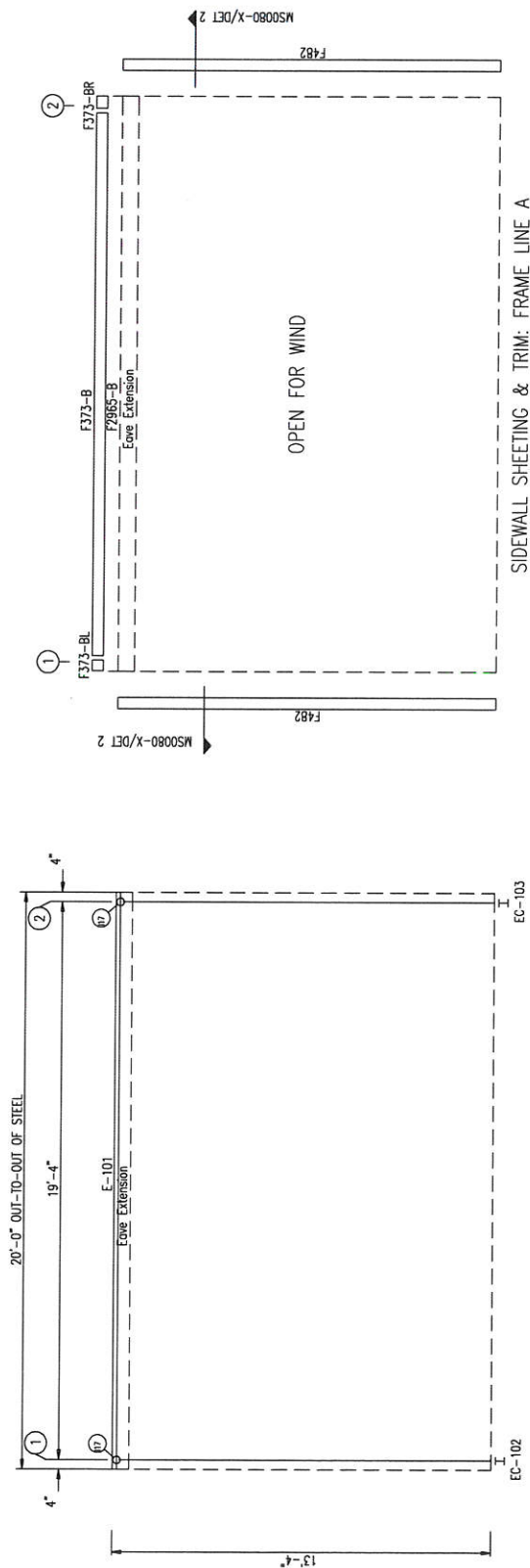
Final Rate Approval
Submitted to: LGU

CPA # 2018026037 (OIL SHEET) - March 27, 2018

 MESCO Building Solutions		MESCO Building Solutions 5244 Bear Creek Court Irving, TX 75061 Voice 214-687-9999 Fax 214-687-9737		 MBMA THE NATIONAL BUILDING MATERIALS MARKETING ASSOCIATION	
PROJECT: IEA WHITE-HAWLAND		OWNER: IEA WHITE		SHEET NUMBER F'9	
EXISTING: HAWLAND DR. 45851		BUILDING ID A		JOB NUMBER 16-B-171440-A	
CAD	DATE	SCALE	PHASE		
	3/8/18	N.T.S.	1		



MEMBER TABLE		
FRAME LINE A		
MARK	PART	LENGTH
E-101	8ES1H13	18'-8"



SIDEWALL FRAMING: FRAME LINE A


SIDEWALL SHEETING & TRIM: FRAME LINE A

OPEN FOR WIND

GENERAL NOTES:

1. INSTALL ALL GIRTS AND FLANGE BRACES (FB) AS SHOWN.
2. WHEAT PANEL PROVIDES STRUCTURAL STABILITY TO THE BUILDING.
3. OTHER THAN FOR WALK DOORS AND WINDOWS SHOWN ON THE CONTRACT, DO NOT ADD ADDITIONAL WALL OPENINGS WITHOUT APPROVAL OF BUILDING MANUFACTURER OR PROFESSIONAL ENGINEER.
4. AFTER INSTALLATION, WIPE ALL PANELS CLEAN OF METAL SHAVINGS CAUSED BY DRILLING.

[illegible]

 **MESCO Building Solutions**
5244 Bear Creek Court Irving, TX 75061
Voice 214-687-9999 Fax 214-687-9737

ISSUE	1
SHEET NUMBER	E3

OWNER: IEA WHITE	JOB NUMBER 16-B-37440-
------------------	---------------------------

WHITE-HAVLAND	SCALE	PHASE
A CONSTRUCTION	N.T.S.	1

Final Price Approved
Estimate # J. Lando



MESCO Building Solutions
5244 Bear Creek Court Irving, TX 75061
Voice 214-687-9999 Fax 214-687-9737

ISSUE	1
SHEET NUMBER	E3

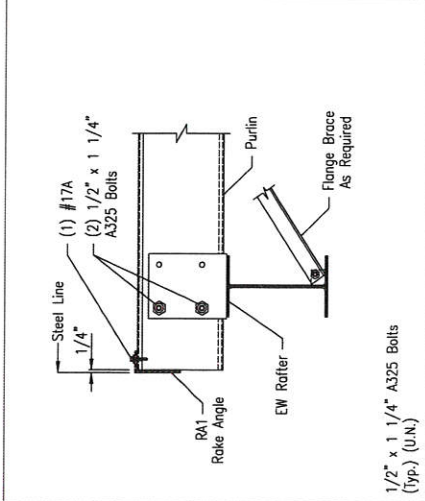
OWNER: IEA WHITE	JOB NUMBER 16-B-37440-
------------------	---------------------------

WHITE-HAVLAND	SCALE	PHASE
A CONSTRUCTION	N.T.S.	1

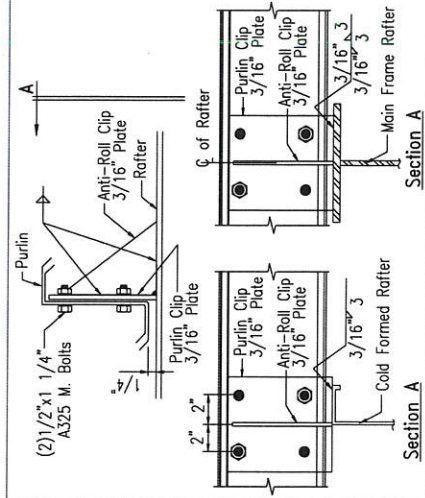
Final Price Approved
Estimate # J. Lando



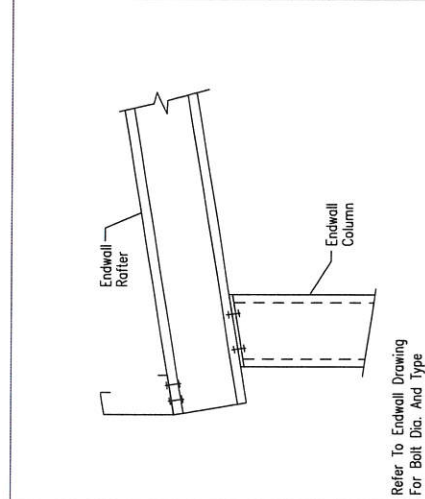




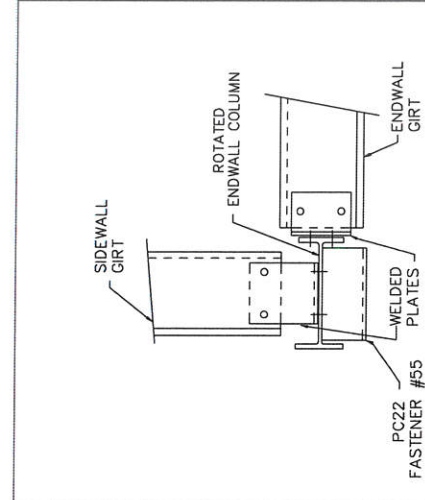
A7 SECTION THRU HOT ROLLED RAFTER



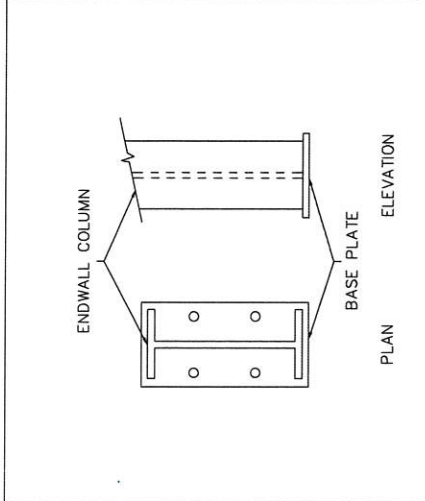
ANTI PURLIN ANTI-ROLL CLIP



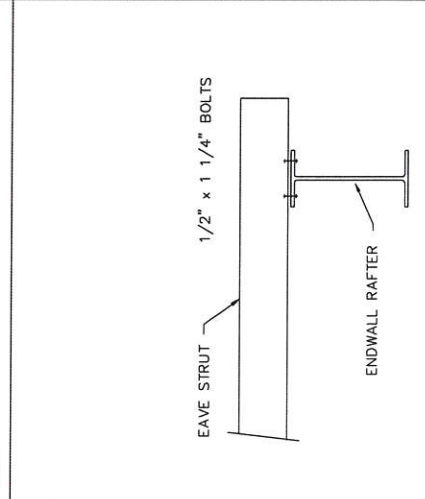
B16 CORNER COLUMN TO ENDWALL RAFTER



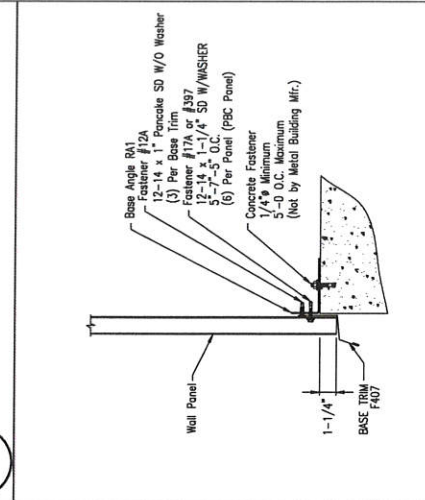
D25 CORNER COLUMN TO WALL GIRT



E3 BASE PLATE FOR ENDWALL COLUMN



I17 EAVE STRUT TO ENDWALL RAFTER

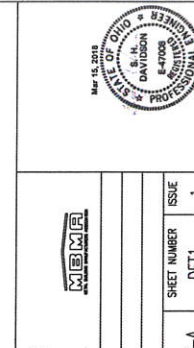


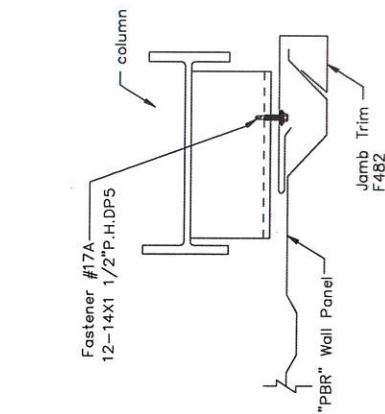
Base Angle Without Panel Recess
With Base Trim
TRM_50

ISSUE	DATE	DESCRIPTION	BY	CD	DSN
0	3/1/18	FOR ERECTOR	TKK	MMH	AMK
1	3/9/18	REV FOR ERECTOR	TKK	MMH	AMK

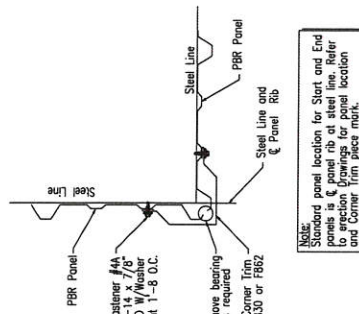


MESCO Building Solutions
5244 Bear Creek Court
Irving, TX 75061
Voice 214-687-9999 Fax 214-687-9737
OWNER: EA WHITE
PROJECT: EA WHITE-HAWLAND
CUSTOMER: MESA CONSTRUCTION
LOCATION: HAWLAND OH 43881
CAD: DATE: 3/8/18 SCALE: N.T.S. PHASE: 1 BUILDING ID: A JOB NUMBER: 16-B-37440-A SHEET NUMBER: DET1 ISSUE: 1

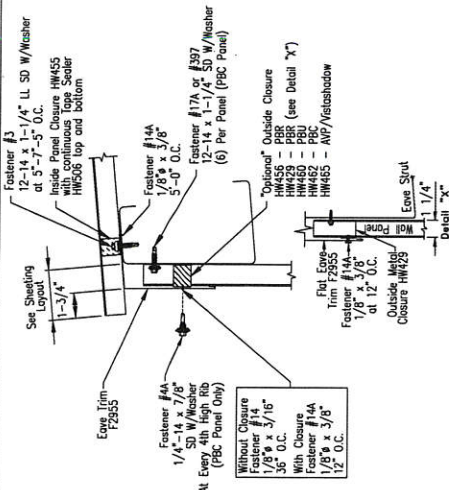




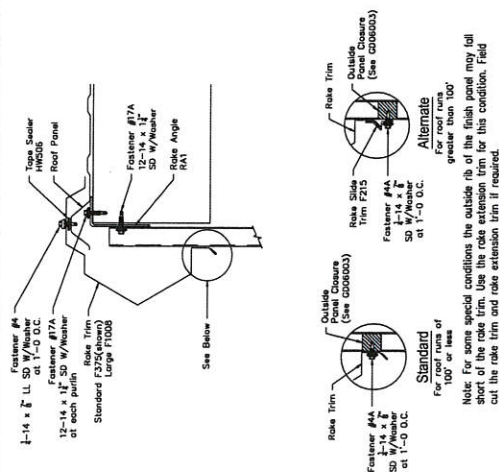
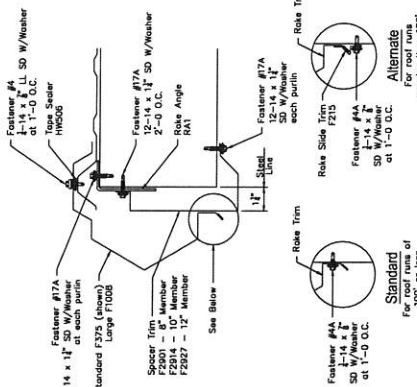
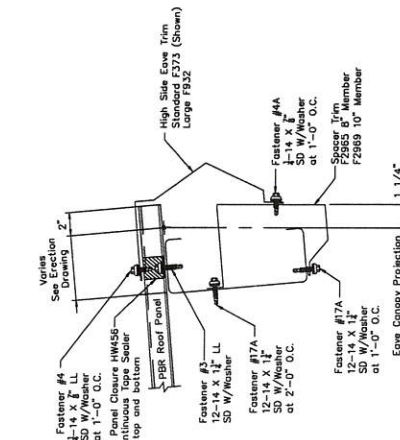
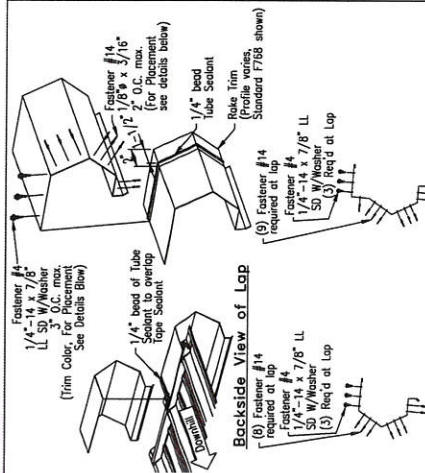
Outside Corner Trim - PBR Wall Panel



Low Eave Detail - PBR Roof



High Side Eave Trim - PBR Roof



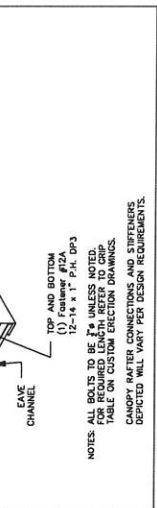
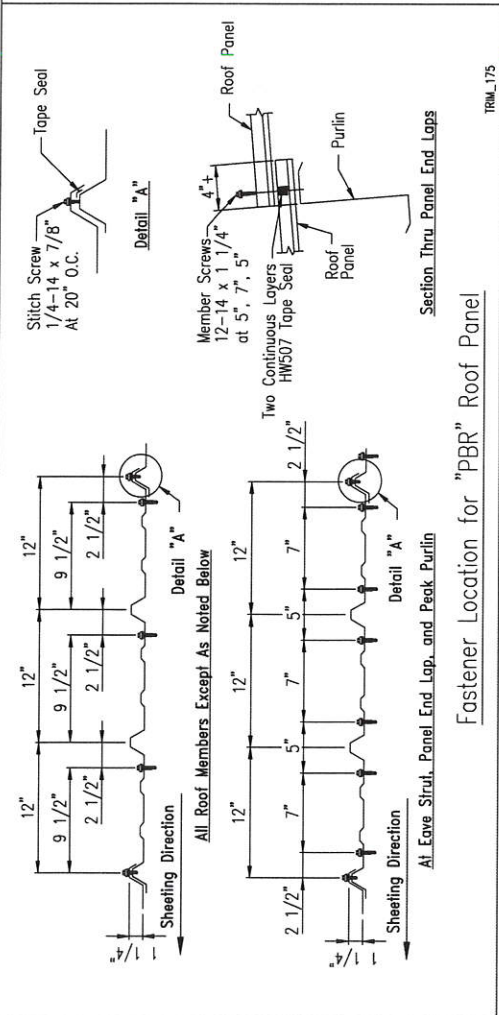
Note:
Standard details call for 1 1/4" fasteners as member screws by default.

Member screws may be 1 1/4", 1 1/2", or 2" depending on insulation, application, or customer request.

Description	Fastener Number	Application
1/4"-14 x 7/8"	4A	Stitch & Trim Screw
12-14 x 1 1/4"	17A	Member Screw
12-14 x 1 1/2"	17B	Member Screw
12-14 x 2"	28	Member Screw

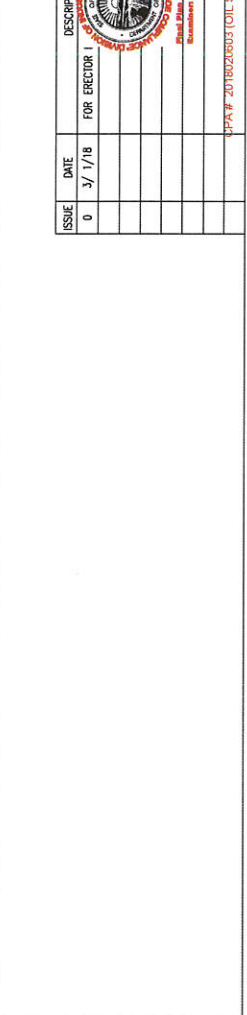
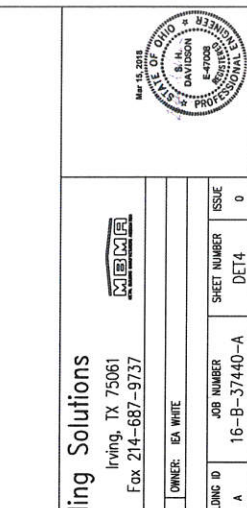
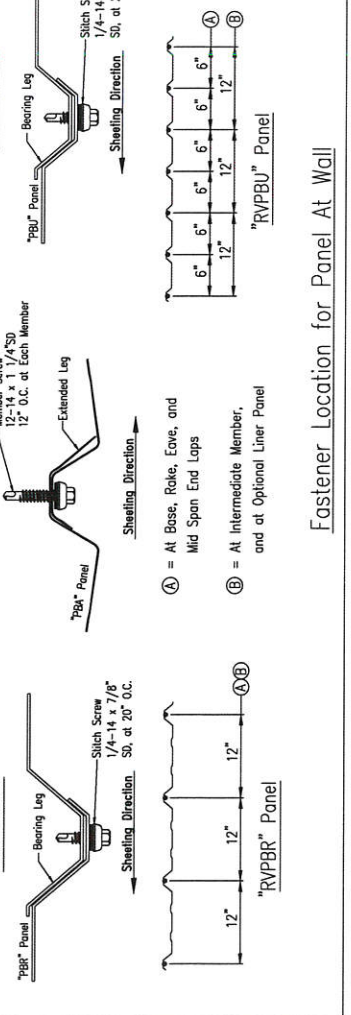
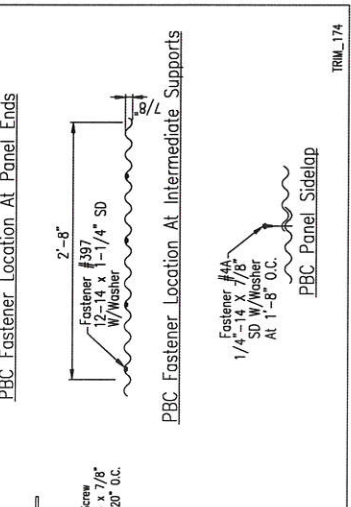
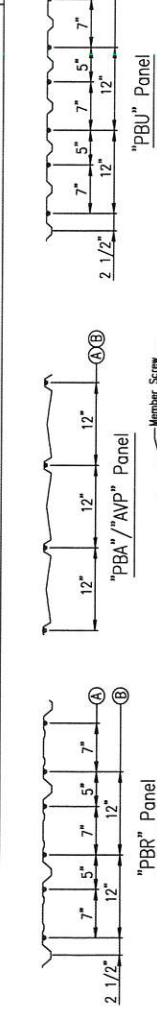
Long Life

Description	Fastener Number	Application
1/4"-14 x 7/8"	4	Stitch & Trim Screw
12-14 x 1 1/4"	3	Member Screw
12-14 x 1 1/2"	3A	Member Screw
12-14 x 2"	58	Member Screw



Self-Drilling Screw Application

Description	Fastener Number	Application
1/4"-14 x 7/8"	4	Stitch & Trim Screw
12-14 x 1 1/4"	3	Member Screw
12-14 x 1 1/2"	3A	Member Screw
12-14 x 2"	58	Member Screw



MESCO Building Solutions
5244 Bear Creek Court Irving, TX 75061
Voice 214-687-9999 Fax 214-687-9737

AEGCO Building Solutions
5244 Bear Creek Court Irving, TX 75061
Voice 214-687-9999 Fax 214-687-9737

PROJECT: EA WHITE-HWLAND
CUSTOMER: MHA CONSTRUCTION
LOCATION: HWLAND OH 43851
OWNER: EA WHITE

ISSUE	DATE	DESCRIPTION
0	3/1/18	FOR ERECTOR
1	3/1/18	FOR ERECTOR
2	3/1/18	FOR ERECTOR
3	3/1/18	FOR ERECTOR
4	3/1/18	FOR ERECTOR
5	3/1/18	FOR ERECTOR
6	3/1/18	FOR ERECTOR
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97	3/1/18	FOR ERECTOR
98	3/1/18	FOR ERECTOR
99	3/1/18	FOR ERECTOR
100	3/1/18	FOR ERECTOR



Ohio Department of Commerce
Division of Industrial Compliance

John R. Kasich
Governor

Jacqueline T. Williams
Director

Geoffrey D. Eaton
Chief
Bureau of Building Code Compliance

Certificate of Final Plan

Plan Number: 2018320134	Property Address: 11874 SR 144 HAVILAND OH 45851	County: PAULDING
Date of Approval: 03/26/2018	Type of Project:	Governing Building Code: OPC 2017
Building / Business Name: NWOWF O AND M BLDG	Description of the Project: PLUMBING	
Property Owner: STARWOOD ENERGY GROUP GLOBAL LLC ALEX DABERKO 5 GREENWICH OFFICE PARK Floor 2ND GREENWICH CT 06831	Submitter: BRIAN MARTIN 33126 MAGNOLIA CIR Suite 200 MAGNOLIA TX 77354-1629	Design Professional: CLAYTON CLEMENTS 801 TRAVIS Suite 2000 HOUSTON TX 77022
Approved Scope of Project: Plumbing	Authorized No. of Inspections: 99	Use Occupancy Groups: B S-1
		Construction Type:
		Number of Stories: 1
		Building Occupant Load: 50

The list of required inspections is specified in section 108 OBC. The owner or the owner's authorized agent is responsible for requesting applicable inspections accordingly. This certificate shall remain posted in a conspicuous and safe place on the job site until the work is completed. Failure to meet these requirements may result in the refusal of service and/or the issuance of an adjudication order. The building/structure shall pass final inspection and a State of Ohio Certificate of Use and Occupancy shall be issued before the building/structure can be legally occupied. The owner is responsible for obtaining all local zoning and sewage permits. In order to schedule an inspection, contact the numbers listed on the bottom of this certificate between the hours of 8:15 am and 3:15 pm.

Structural / Electrical / Plumbing 1-800-822-3208 8:15 am to 2:30 pm	State Fire Marshal 614-728-5460	All Other Inquiries 1-800-523-3581 8:00 am to 5:00 pm
---	---	--

State Inspector's Signature for Occupancy:

Building Official Signature:

Final Structural Approval: _____ Date: _____

Final Electrical Approval: _____ Date: _____

Final Plumbing Approval: _____ Date: _____

Final Fire Approval: _____ Date: _____

Ohio Department of Commerce
Division of Industrial Compliance
6606 Tussing Road, PO Box 4009
Reynoldsburg, OH 43068-9009 U.S.A.
(614) 644-2622 Fax: (614) 644-3145



Site Inspection Sign-Off Log

Special Note: This inspection log must be kept on site with the approved plans at all times. Additional inspection fees will be charged when the actual number of inspections exceeds the number allowed for each scope of work.

Certificate of Plan Approval (CPA) Number: 2018320134

Plumbing		Total number of inspections allowed:		
#	Inspected Item	Date	Inspector signature	Inspection results
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

ELECTRIC WATER HEATER SCHEDULE										
MARK	LOCATION	DESCRIPTION	MANUFACTURER (OR MODEL & SERIAL)	TANK SIZE WATER GAL.	ENTER WATER TEMP.	RECOVERY RATE (GAL./HR.)	NO. OF ELEMENTS	WATER TEMP.	NO. OF PH	AGGRESSIVENESS (WATER EXPANSION TEMP. BEF. VAL.)
W-12	UTILITY ROOM	40 GALLON (FEDERAL LIGHT) ELECTRIC WATER HEATER	W. T. MANNING SERIAL 1	40	120 F.	22	2	4000 W.	200 F.	WATER EXPANSION TEMP. BEF. VAL.

[illegible][illegible][illegible]

MARKS	Description
B-1*	17' LAGO FREE INLINE DOUBLE CHECK VALVE MELTING ANTIHANG STANDARD ISO FOR NON-HEALTH HAZARD APPLICATIONS TEMPERATURE MINIMUM -30F + 196F CONTINUOUS @ 175 PSI
TWO-1	TEMPERATURE MINIMUM -30F MAXIMUM TEMPERATURE OF 200 DEGREES FLOW RATE : 8.1 GPM ISO ASME B31.1 AND B31.3 APPROVED

PLUMBING SYMBOLS & ABBREVIATIONS

ABBREVIATIONS	
CW	DOMESTIC COLD WATER LINE
HW	DOMESTIC HOT WATER LINE
HWR	DOMESTIC HOT WATER RECIRC LINE

0187 COCAINE IMPACT ON DRUG-INDUCED
V SANITARY VENT LINE

PLUMBING SYMBOLS & ABBREVIATIONS

ABBREVIATIONS	
CW	DOMESTIC COLD WATER LINE
HW	DOMESTIC HOT WATER LINE
HWR	DOMESTIC HOT WATER RECIRC LINE
SDN	SANITARY DRAIN LINE
V	SANITARY VENT LINE
GW	GREASE WASTE DRAIN LINE
GV	GREASE VENT LINE
ST	STORM DRAIN LINE
OD	OVER FLOW DRAIN LINE
G	LIQUID PROPANE GAS LINE
D	COMPRESSED AIR LINE
A	NEW
(E)	EXISTING
(D)	DEMOT
B.F.F.	BELOW FINISHED FLOOR
A.F.F.	ABOVE FINISHED FLOOR
WCO	WALL CLEAN OUT
FCO	FLOOR CLEAN OUT
COTG	CLEAN OUT TO GRADE
N.I.C.	NOT IN CONTRACT
S.O.P.	BOTTOM OF PIPE
I.E.	INVERT ELEVATION
HB	HOSE BIB
VTR	VENT THRU ROOF
SYMBOLS	
	PIPE DOWN
	PIPE UP
	FCO / COTG
	END OF LINE CLEANOUT
	END CAP
	POINT OF CONNECTION
	KEYED NOTES
	RISER DESIGNATION
	BALL VALVE
	BUTTERFLY VALVE
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	POINT OF DEMOLITION
	NEW
	EXISTING
	DEMOT

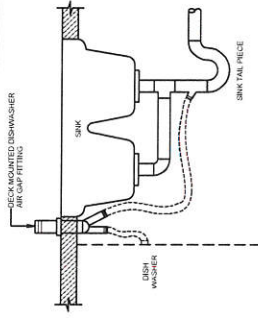
PLUMBING MATERIAL SCHEDULE

[illegible]

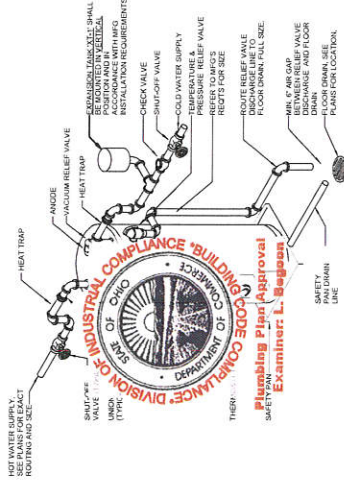
UNLESS NOTED OTHERWISE, WATER AND VENT PIPING SHOWN ON PLANS ABOVE THE CEILING AND SANITARY DRAIN PIPING IS BELOW

1 RESTROOM / UTILITY RM
1/2" = 1'-0"

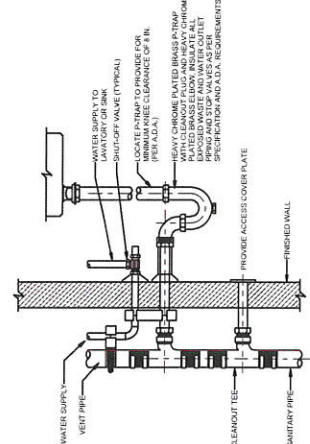
2 BREAKROOM 1 1/2" = 1'-0"



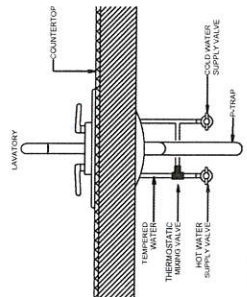
7 DISHWASHER AIR GAP TO TAILPIECE
NOT TO SCALE



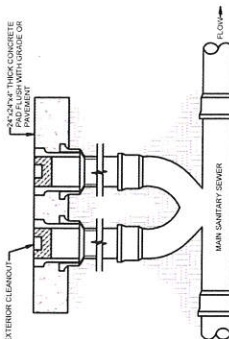
6 ELECTRIC WATER HEATER (FLR MTD)
NOT TO SCALE



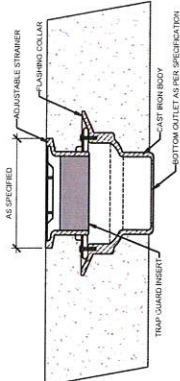
5 TYPICAL LAVATORY & SINK INSTALLATION



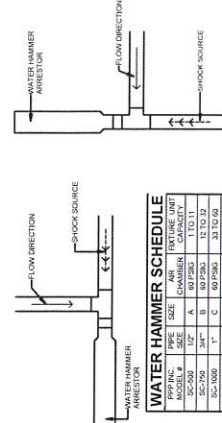
4 **TMV INSTALLATION**
REFER TO PLUMBING FIXTURES SCHEDULE ACCESSORIES FOR SPECIFICATION.



3 TWO-WAY EXTERIOR CLEANOUT
NOT TO SCALE



2 FLOOR DRAIN WITH TRAP GUARD



PIPE INC.	PIPE MODEL #	PIPE SIZE	AIR CHAMBER	FEATURE UNIT CAPACITY
5C-500	5C-500	1/2"	60 P983	1 TO 11
5C-500	5C-500	3/4"	60 P983	12 TO 32
5C-1000	5C-1000	1"	60 P983	33 TO 60
5C-1500	5C-1500	1 1/4"	60 P983	61 TO 113
5C-1500	5C-1500	1 1/2"	60 P983	114 TO 154
5C-2000	5C-2000	2"	60 P983	155 TO 338

1 WATER HAMMER ARRESTOR
NOT TO SCALE



Ohio Department of Commerce
Division of Industrial Compliance

John R. Kasich
Governor

Jacqueline T. Williams
Director

Geoffrey D. Eaton
Chief Building Official

Certificate of Partial
Plan Approval 1

Plan Number: 2018020527	Property Address: 11874 SR 144 HAVILAND OH 45851	County: PAULDING
Date of Approval: 03/21/2018	Type of Project: Alteration	Governing Building Code: OBC 2017
Building / Business Name: NWOWF O&M BUILDING	Description of the Project: This is just for the footings and foundations plan review and approval, full building will be submit	
Property Owner: STARWOOD ENERGY GROUP GLOBAL LLC GREG CANTWELL 5 GREENWICH OFFICE PARK Floor 2ND GREENWICH CT 06831	Submitter: PHILLIP GARNER 33126 MAGNOLIA CIR Suite 200 MAGNOLIA TN 77354	Design Professional: TOD HENNING 1225 N LOOP W Suite 800 HOUSTON TX 7708
Approved Scope of Project: General Building Trade	Authorized No. of Inspections: 6	Use Occupancy Groups: B S-1
		Construction Type: Type V B
		Number of Stories: 1
		Building Occupant Load: 50

The list of required inspections is specified in section 108 OBC. The owner or the owner's authorized agent is responsible for requesting applicable inspections accordingly. This certificate shall remain posted in a conspicuous and safe place on the job site until the work is completed. Failure to meet these requirements may result in the refusal of service and/or the issuance of an adjudication order. The building/structure shall pass final inspection and a State of Ohio Certificate of Use and Occupancy shall be issued before the building/structure can be legally occupied. The owner is responsible for obtaining all local zoning and sewage permits. In order to schedule an inspection, contact the numbers listed on the bottom of this certificate between the hours of 8:15 am and 2:30 pm.

Structural / Electrical / Plumbing 1-800-822-3208 8:15 am to 2:30 pm	State Fire Marshal 614-728-5460	All Other Inquiries 1-800-523-3581 8:00 am to 5:00 pm
---	---	--

State Inspector's Signature for Occupancy:

Building Official Signature:

Final Structural Approval: _____ Date: _____

Final Electrical Approval: _____ Date: _____

Final Plumbing Approval: _____ Date: _____

Final Fire Approval: _____ Date: _____

Ohio Department of Commerce
Division of Industrial Compliance
6606 Tussing Road, PO Box 4009
Reynoldsburg, OH 43068-9009 U.S.A.
(614) 644-2622 Fax: (614) 644-3145



Department of Commerce

Division of Industrial Compliance

John R. Kasich, Governor
Jacqueline T. Williams, Director

03/21/2018

**STARWOOD ENERGY GROUP GLOBAL LLC
GREG CANTWELL
5 GREENWICH OFFICE PARK Floor 2ND
GREENWICH CT 06831**

CORRECTION LETTER NO. 1

Project Number: **2018020527**
Response Deadline: **09/17/2018**

The plans for the project referenced below have been reviewed and were found to be incomplete and/or to contain violations of the Ohio Building Code (OBC). As a result, your plans cannot be approved at this time.

This notice serves as a Correction Letter to inform you of what information is needed to get your plans approved. Pursuant to OBC section 110, you have the right to appeal any of the items listed below. You may contact the Chief Building Official to obtain a formal Adjudication Order that will provide the procedures to request an appeal hearing. In accordance with OBC section 107.6, if corrected documents have not been submitted within 6 months of the date of this letter, or the owner has not exercised the right to appeal, an adjudication order will be issued in accordance with section 109 OBC.

The plans affected by this notice are known or described as:

**NWOWF O&M BUILDING
11874 SR 144
HAVILAND OH 45851**

Your plans cannot be approved until all of the information specified below is submitted and reviewed:

1. ENERGY ANALYSIS

Submit documentation showing the building has been designed in accordance with the applicable provisions of the 'International Energy Conservation Code' or the requirements of 'ASHRAE 90.1' listed in Chapter 35 of this code; Section 1301.1 OBC.

Bureau of Building Code Compliance
6606 Tussing Road
PO Box 4009
Reynoldsburg, OH 43068-9009 U.S.A.

614 | 644 - 2622
Fax 614 | 644 - 3145
TTY/TDD 800 | 750 - 0750
www.com.ohio.gov



Department of Commerce

Division of Industrial Compliance

John R. Kasich, Governor
Jacqueline T. Williams, Director

2018020527

03/21/2018

Page #2

- 2. Submit the special inspection requirement requested in the partial plan approval; Chapter 17 OBC.**
- 3. Submit oil storage building and fence under separate permits; Sections 101.2, 106.1.1, 311.2, and 312.1 OBC.**
- 4. Submit the rest of the construction documents including mechanical, electrical, and plumbing; Section 106.1.1 OBC.**

In order to minimize the time it takes to review revised plans, circle the area of changes on the revised drawings with a red pencil. Mark the item number referenced above adjacent to the circled area. This needs only to be done on one set of the revised plans. Three identical sets of revised plans (five sets when drawings include plumbing) must be submitted. Submit revised plans to the address specified above. However, if the plans were submitted electronically through our website the first time, any subsequent submission of revised plans and/or response letters should also be submitted electronically through our website. Please log onto our website for further instructions.

If there are any questions, you may call your Plan Examiner by phone (614) 644-2622 to discuss or to make an appointment to meet with your Plan Examiner. If you wish to appeal any of the items contained in this letter, please contact Geoffrey D. Eaton, Chief Building Official at 614-644-2622 and a formal Adjudication order will be issued immediately. The Adjudication Order will provide the procedures you will need to request a hearing with the Board of Building Appeals.

Sincerely,

Jeffrey Lasko,

Plans Examiner

Bureau of Building Code Compliance
6606 Tussing Road
PO Box 4009
Reynoldsburg, OH 43068-9009 U.S.A.

614 | 644 – 2622
Fax 614 | 644 – 3145
TTY/TDD 800 | 750 – 0750
www.com.ohio.gov



Department of Commerce, Division of Industrial Compliance, Bureau of Building Code Compliance, State of Ohio
Electronic Plan Approval Sheet

CPA Number: 2018020527

Approval Type: ☐ Final ☒ Partial No. 1

Building Use Groups: B, & S-1

Plan Approval Date:

Construction Type: VB

County:

Paulding

• **Plan Approval Status Expiration Notice:**

This plan approval status will expire if the construction work has not commenced within 12 months of the approval date or during the course of construction, the work is delayed or suspended for more than 6 months. Extensions can be granted upon receiving a written request along with \$100 fee from the owner at least 10 days prior to the expiration date per section 105 OBC.

• **Contractor License Notice:**

All electrical, plumbing, hydronics, HVAC, and refrigeration contractors working on this project must be licensed by the State of Ohio in accordance with 4740 ORC.

• **This plan approval is subject to the following additional code requirements:**

- ☐ Ohio Building Code, Chapter 29, minimum plumbing requirements. Please contact the Bureau of Building Code Compliance, Plumbing Section or Local Health Department.
☐ Ohio Elevator Code, Ohio Fire Code, Ohio Boiler and Unfired Vessels Rules.
☒ All other requirements of the Ohio Revised Code, Local Zoning and Other Regulations.

• **Disclaimer:**

☒ The structural elements of these drawings have been examined to the extent necessary to determine conformity of such plans with other requirements of OBC. The sufficiency of these elements to meet all code requirements is the responsibility of the registered architects or professional engineers who certified the drawings.

☐ All electrical work shall be installed in accordance with National Electrical Code.

☐ The design and calculations for the sprinkler system in these plans, if applicable, have been examined to the extent necessary to determine conformity of such plans with other requirements of OBC. The sufficiency of the design and calculations to meet all code requirements is the responsibility of author of these plans who certified the drawings. The installed sprinkler system will be inspected by DIC field inspectors to determine compliance with approved plans, and the operation of the system will be verified by local fire authority or a third party inspection agency.

• **For Partial plan approval, indicate the approval includes:** ☒ Footing/Foundation ☒ Slab ☒ Building Shell ☐ Interior Finish ☐ Sprinkler ☐ Fire alarm

• **Effective February 1, 2009**, the permit fees paid with this application will include the following maximum number of inspections per scope of work:

Total square/linear footage or No. of devices	Maximum No. of inspections allowed:
0 to 2,500	5 per each scope of work
2,501 to 10,000	6 per each scope of work
10,001 to 20,000	9 per each scope of work
20,001 to 30,000	10 per each scope of work
> 30,000	Add 1 inspection per each additional 10,000 s.f.
• A re-inspection fee of \$100 will be charged for each additional inspection requested.	

• Plan approval conditions and/or special notes to the inspectors:



Site Inspection Sign-Off Log

Special Note: This inspection log must be kept on site with the approved plans at all times. Additional inspection fees will be charged when the actual number of inspections exceeds the number allowed for each scope of work.

Certificate of Plan Approval (CPA) Number: 2018020527

Scope of Work: Building General		Total number of inspections allowed:		6
#	Inspected Item	Date	Inspector signature	Inspection results
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				



Site Inspection Sign-Off Log

Special Note: This inspection log must be kept on site with the approved plans at all times. Additional inspection fees will be charged when the actual number of inspections exceeds the number allowed for each scope of work.

Certificate of Plan Approval (CPA) Number: 2018020527

Scope of Work: Mechanical		Total number of inspections allowed:		6
#	Inspected Item	Date	Inspector signature	Inspection results
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				



Site Inspection Sign-Off Log

Special Note: This inspection log must be kept on site with the approved plans at all times. Additional inspection fees will be charged when the actual number of inspections exceeds the number allowed for each scope of work.

Certificate of Plan Approval (CPA) Number: 2018020527

Scope of Work: Electrical		Total number of inspections allowed:		6
#	Inspected Item	Date	Inspector signature	Inspection results
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Designed:	WCC
Checked:	WCC
Drawn:	WCC
As-Built Drawing:	WCC
Revised:	WCC
By:	WCC
Date:	WCC
Project:	WCC
Sheet:	WCC
Scale:	WCC
Notes:	WCC
Comments:	WCC
Prepared for:	WCC

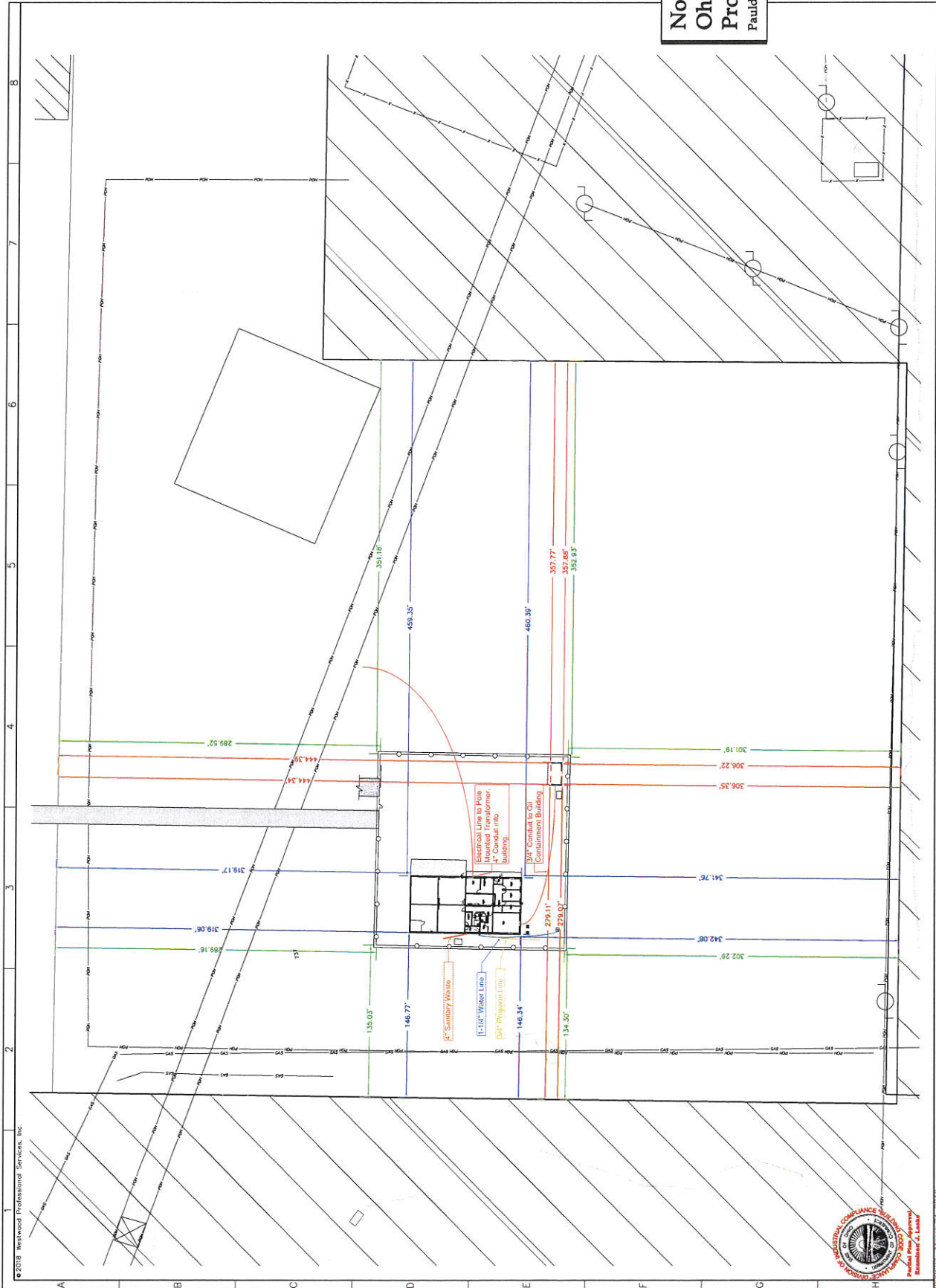
WHITE
an SBA company
3900 S. White Ave.
Clinton, IN 47542

Trible Wind Ohio, LLC
c/o White Wind Energy, LLC
5 Greenwich Office Park, 2nd Floor
Greenwich, CT 06831



Northwest Ohio Wind Project Paulding, Ohio

**O & M
Building Dimension
Exhibit**



KEY NOTES 9

ARCHITECTURAL SITE PLAN FOR REFERENCE ONLY - CIVIL WORK BY OTHERS.



RAYBURN DONALSON
2118 LAMAR ST. STE. 200
HOUSTON, TEXAS 77003
(713) 842-7500

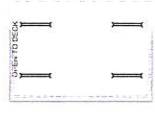


RAYBURN DONALSON
P.E. No. 14444
EXPIRATION DATE 12/31/2018

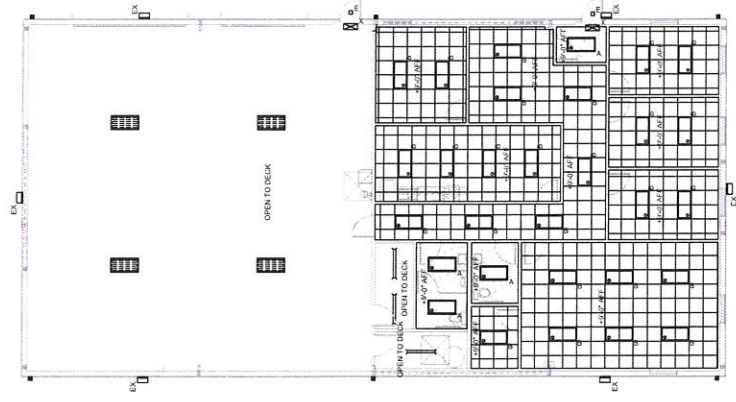


IEA WHITE - HAVILAND
O&M BUILDING
HALL COUNTY, OH

PROJECT: IEA WHITE - HAVILAND
SHEET: MB1840009
DATE: 04-26-18
PROJECTED BY: RAYBURN DONALSON
CHECKED BY: RAYBURN DONALSON
DATE: 04-26-18
SCALE: 1/8" = 1'-0"



RCP - STORAGE SHED 14



REFLECTED CEILING PLAN 1
1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND	
	ACRYLIC PRISMATIC 2' x 4' LIGHT FIXTURE - LED INDIRECT - SURFACE MOUNTED
	ACRYLIC PRISMATIC 2' x 4' LIGHT FIXTURE - LED INDIRECT - CEILING GRID MOUNTED
	4W WATT SUPER METAL HALIDE WALL PACK WITH PHOTOCELL
	4' STRIP LIGHT FLUORESCENT FIXTURE - INTENT FOR EXTERIOR EXPOSURE
	2' x 2' SUSPENDED ACoustic TILE CEILING AND GRID SYSTEM (SEE FINISH SCHEDULE) - BREAK GRID AND 2' x 2' ACoustic TILE PANELS TO BE INSTALLED
	15' HIGH OUTPUT HIGH BAY SIX LAMP FIXTURE - LED - SUSPENDED AT 13' A.F.F.
	ILLUMINATED EXIT SIGN
	EXTERIOR EGRESS LIGHTING ON TRIM AND PHOTOCELL

LEGEND 10

RCP GENERAL NOTES
REFER TO MECHANICAL PLUMBING & ELECTRICAL DRAWINGS FOR NUMBER, SIZE & POSITION LOCATION OF ALL MECHANICAL, PLUMBING & ELECTRICAL EQUIPMENT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR CROSS COORDINATION BETWEEN MECHANICAL, ELECTRICAL, PLUMBING ITEMS AND THEIR SCOPE OF WORK. UNLESS OTHERWISE NOTED ALL PLASTER AND Gypsum CEILING AND/OR SOFFITS TO BE PAINTED.
EGRESS LIGHTING GENERAL NOTES
MEANS OF EGRESS ILLUMINATION LEVELS SHALL NOT BE LESS THAN 1 FOOT-CANDLES AT THE WALKING SURFACE. THE PATH OF EGRESS TRAVEL TO EXIT AND RE-ENTRY SHALL BE MARKED BY A PLACED SIGN. THE SIGN SHALL BE PLACED AT THE ENTRANCE TO THE ROOM AND AT THE EXIT. THE SIGN SHALL BE PLACED SO THAT IT IS NOT OBSCURED BY ANY OBSTACLE. THE SIGN SHALL BE PLACED AT THE ENTRANCE TO THE ROOM AND AT THE EXIT. THE SIGN SHALL BE PLACED SO THAT IT IS NOT OBSCURED BY ANY OBSTACLE. THE SIGN SHALL BE PLACED AT THE ENTRANCE TO THE ROOM AND AT THE EXIT. THE SIGN SHALL BE PLACED SO THAT IT IS NOT OBSCURED BY ANY OBSTACLE.
EXIT SIGNAGE
EXIT SIGNAGE SHALL BE INSTALLED AT THE ENTRANCE TO THE ROOM AND AT THE EXIT. THE SIGN SHALL BE PLACED SO THAT IT IS NOT OBSCURED BY ANY OBSTACLE. THE SIGN SHALL BE PLACED AT THE ENTRANCE TO THE ROOM AND AT THE EXIT. THE SIGN SHALL BE PLACED SO THAT IT IS NOT OBSCURED BY ANY OBSTACLE.

GENERAL NOTES 9



CPA # 2018020327 - March 21, 2018
BUILDING SHELL ONLY - SEE ADDENDUM

RAYBURN DONALSON
2118 LAAMAR ST., STE. 200
HOUSTON, TEXAS 77003
(713) 842-7900



RAYBURN DONALSON
2118 LAAMAR ST., STE. 200
HOUSTON, TEXAS 77003
(713) 842-7900



PAULSBORO COUNTY, OH
O&M BUILDING
O&M BUILDING

SHEET:

ROOF PLAN
AND NOTES

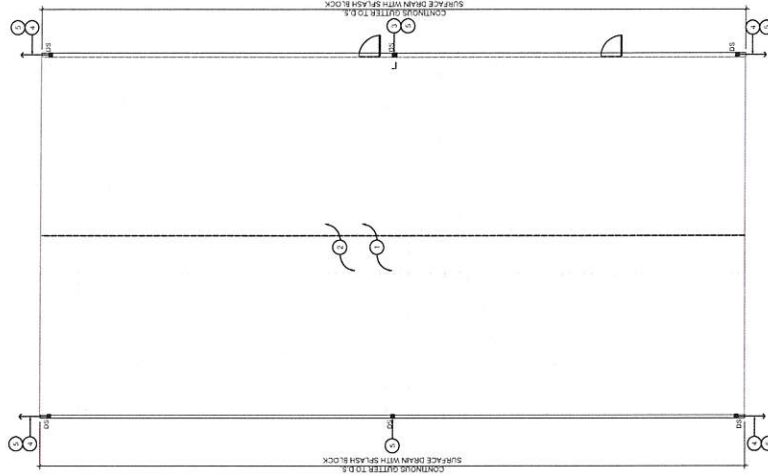
REVISIONS

DATE: 04-26-18

PROJECT: MB184009

SHEET: A2.20

1/8" = 1'-0"



ROOF PLAN - O&M BUILDING
1/8" = 1'-0"

ROOF LEGEND	
OS	PROVIDE NEW EXTERIOR GUTTER METAL DOWNSPOUTS - SURFACE DRAIN

LEGEND 10

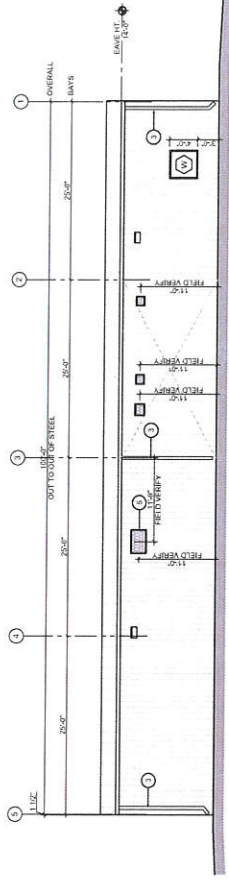
ROOF DRAINAGE CALCULATIONS	
BLDG 1: 5,000 S.F. / 100 S.F. = 50.0 S.F. = 50.0 S.F. = 50.0 S.F.	
6 DOWNSPOUTS PROVIDED AT 6" X 6"	

ROOF KEY NOTES	
1	ROOF IS NOT TO HAVE ANY DOWNSPOUTS - ALL VENTS, ETC. SHOULD EXIT THROUGH SIDE WALLS
2	PROVIDE 1/2" DIA. PANEL ROOF
3	PROVIDE 1" TYPICAL DRAIN AT DOWNSPOUT - 1/2" DIA. OS
4	DOWNSPOUT DISCHARGE DIRECTION
5	HEAT TAPES TO BE ADDED - CONFIRM WITH DESIGNER

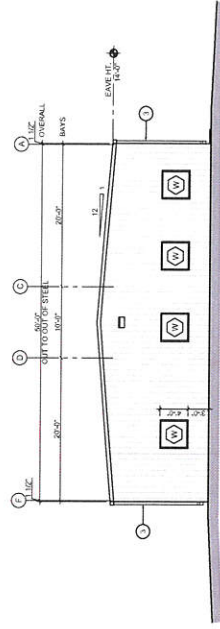
ROOF NOTES 9



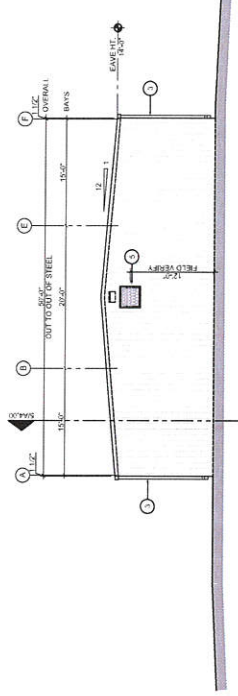
CPA # 201800527 - March 21, 2018
BUILDING SHELL ONLY - SEE ADDENDUM



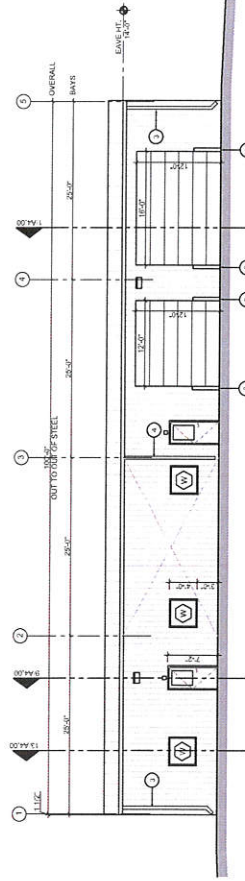
WEST ELEVATION 4
1/8" = 1'-0"



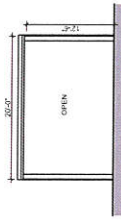
SOUTH ELEVATION 3
1/8" = 1'-0"



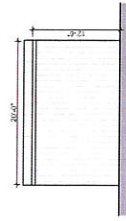
NORTH ELEVATION 2
1/8" = 1'-0"



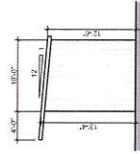
EAST ELEVATION 1
1/8" = 1'-0"



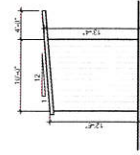
OIL SHED - NORTH ELEVATION 12
1/8" = 1'-0"





OIL SHED - SOUTH ELEVATION



OIL SHED - WEST ELEVATION 10
1/8" = 1'-0"



OIL SHED - EAST ELEVATION

MATERIAL LEGEND	
	VERTICALLY MOUNTED 24 GA. PANELS
	SINGLE 8-PANEL WITH 24 GA. GALVALUE FINISH

FINISH SCHEDULE	
VERTICAL METAL	COLOR: LIGHT STONE
CUTTER	COLOR: KODU BROWN
DOWNSPOUT TRIM	COLOR: TRIM
DOOR	COLOR: WHITE
WALL PANEL	COLOR: MANUFACTURER STANDARD COLOR FINISH

LEGEND AND SCHEDULES ¹⁴

ELEV	DESCRIPTION
1	IN PROFILE - HE IMP. RUP
2	HEAVY CONCRT FILL DIRT INL AND W/ERE SHOWN - COLOR TID (TYP)
3 TO DOWNSPOT - SURFACE DRAIN WITH SLEAS BLOCK
4 DOWNSPOT - DRAIN TO TRUCK - (RE-AL) 5'
5 APPROXIMATE LOCATION OF LOWER COLOR TID - FIELD VERIFY EXACT MOUNTING HEIGHT - HE IMP

2018032109591 March 21, 2018

KEY NOTES 13

○
P
1
00



RAYBURN DONALSON
2116 LAMAR ST. STE. 200
HOUSTON, TEXAS 77002
(713) 842-7500



Q&M BUILDING
15000 N. HWY. 100
DALLAS, TEXAS 75244
(214) 343-1234

MALLING COUNTY, OH

SHEET:
WALL DETAILS
AND
SCHEDULES

REVISIONS:

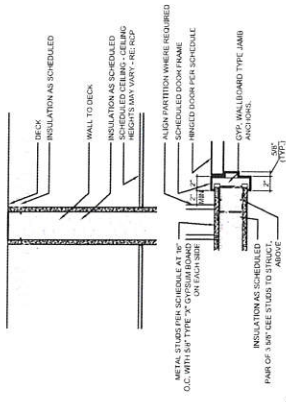
DATE: 01-26-18

PROJECT:

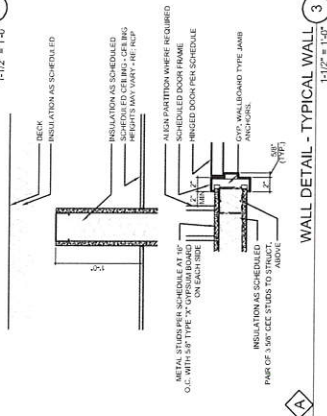
MB184009

SHEET

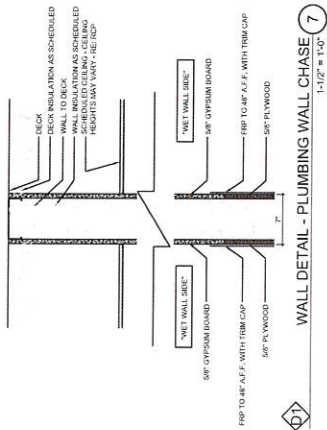
A7.02



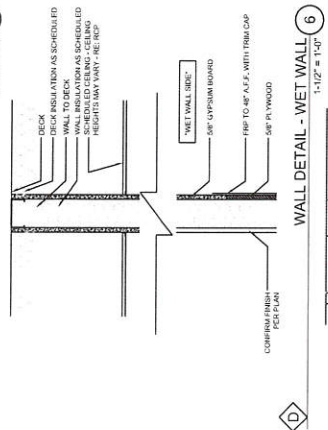
WALL DETAIL - NON RATED WALL TO DECK
1-1/2" = 1'-0"



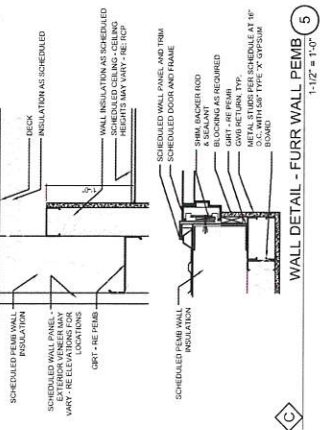
WALL DETAIL - TYPICAL WALL
1-1/2" = 1'-0"



WALL DETAIL - PLUMBING WALL CHASE
1-1/2" = 1'-0"



WALL DETAIL - WET WALL
1-1/2" = 1'-0"



WALL DETAIL - FURR WALL PEMB
1-1/2" = 1'-0"

INSULATION SCHEDULE	LOCATION	INSULATION TYPE	REMARKS
CONCRETE	FOUNDATION	1" POLYSTYRENE	1" POLYSTYRENE
SPACED	FOUNDATION	1" POLYSTYRENE	1" POLYSTYRENE
INTERIOR WALL	INTERIOR WALL	1" POLYSTYRENE	1" POLYSTYRENE
SLAB	SLAB	1" POLYSTYRENE	1" POLYSTYRENE
CEILING	CEILING	1" POLYSTYRENE	1" POLYSTYRENE
ROOF	ROOF	1" POLYSTYRENE	1" POLYSTYRENE
WALL	WALL	1" POLYSTYRENE	1" POLYSTYRENE
FOUNDATION	FOUNDATION	1" POLYSTYRENE	1" POLYSTYRENE

INSULATION SCHEDULE 2

METAL STUD SCHEDULE	WALL HEIGHT (MAXIMUM)	NOTES (1-7)
1" X 4" @ 16" O.C.	12'-0"	1. ALL LATHING HEIGHTS AND FURR A CODE MINIMUM LATHING OF 1/2"
1" X 4" @ 16" O.C.	12'-0"	2. ALL LATHING HEIGHTS AND FURR A CODE MINIMUM LATHING OF 1/2"
1" X 4" @ 16" O.C.	12'-0"	3. ALL LATHING HEIGHTS AND FURR A CODE MINIMUM LATHING OF 1/2"
1" X 4" @ 16" O.C.	12'-0"	4. ALL LATHING HEIGHTS AND FURR A CODE MINIMUM LATHING OF 1/2"
1" X 4" @ 16" O.C.	12'-0"	5. ALL LATHING HEIGHTS AND FURR A CODE MINIMUM LATHING OF 1/2"
1" X 4" @ 16" O.C.	12'-0"	6. ALL LATHING HEIGHTS AND FURR A CODE MINIMUM LATHING OF 1/2"
1" X 4" @ 16" O.C.	12'-0"	7. ALL LATHING HEIGHTS AND FURR A CODE MINIMUM LATHING OF 1/2"

STUD SCHEDULE 1





1. GENERAL
 - 1.1 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE INFORMATION AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND ARCHITECT.
 - 1.2 DESIGN CRITERIA:
 - A. CODES AND SPECIFICATIONS:
 1. GENERAL BUILDING CODE: INTERNATIONAL BUILDING CODE.
 2. CONCRETE BUILDING CODE REQUIREMENTS FOR STRUCTURES OF REINFORCED CONCRETE INSTITUTE, ACT 318-14.
 - B. DESIGN LOADS (PSF):
 1. DEAD LOADS:
 - a. ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
 - b. THE STRUCTURAL ENGINEER SHALL BE RESPONSIBLE FOR THE LOAD-CARRYING CAPACITY OF THE STRUCTURE.
 2. LIVE LOADS:
 - a. ROOF:
 - 20 PSF
 - 40 PSF
 - b. FLOOR:
 - 20 PSF
 - 40 PSF
 3. WIND LOADS:
 - a. THE ULTIMATE DESIGN WIND SPEED (VULT) FOR USE IN THE DESIGN OF THE STRUCTURE SHALL BE DETERMINED BY THE STRUCTURAL ENGINEER.
 - b. WIND EXPOSURE CATEGORY:
 - 1. A
 - 2. B
 - c. INTERNAL PRESSURE COEFFICIENT:
 - 1. 0
 - 2. -0.18
- 1.3 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATING/CONSTRUCTING. NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING OF ANY DISCREPANCIES PRIOR TO FABRICATING/CONSTRUCTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
- 1.4 SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT FOR THE ARCHITECT'S REVIEW SHOP DRAWINGS FOR THE STRUCTURE. THE SHOP DRAWINGS SHALL BE SEIGNED BY A PROFESSIONAL ENGINEER LOCATED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
 1. CONCRETE REINFORCING
 - a. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS SHALL BE THE BASIS FOR THE DESIGN OF THE CONCRETE REINFORCING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE REINFORCING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE REINFORCING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE REINFORCING.
 2. CONCRETE MIX DESIGN
 - a. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS SHALL BE THE BASIS FOR THE DESIGN OF THE CONCRETE MIX DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN.
- 1.5 THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS SHALL BE THE BASIS FOR THE DESIGN OF THE CONCRETE MIX DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN.
- 1.6 THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS AND TO THE FULLY COMPLETED DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN.
- 1.7 THE ENGINEER SHALL NOT HAVE CONTROL OR CHARGE OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN.
2. FOUNDATION NOTES:
 - 2.1 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING ANY WORK.
 - 2.2 CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE SHOULD ANY DIMENSIONS OR CONDITIONS VARY FROM THE INTENT OF THE DRAWINGS.
 - 2.3 IN ALL FOUNDATION WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN.
- 2.20 JOINT FILLER STRIPS FOR JOINTS SHALL CONFORM TO ASTM A-113, TYPE 1, 1/2" THICK MINIMUM UNLESS SHOWN OTHERWISE ON DRAWINGS. SHALL CONFORM TO ASTM A-113, TYPE 1, 1/2" THICK MINIMUM UNLESS SHOWN OTHERWISE ON DRAWINGS.
- 2.21 #3 1'-0" LONG REINFORCING STEEL SHALL BE PROVIDED AT ALL RE-ENTRY CORNERS.
3. PRE-ENGINEERED METAL BUILDINGS:
 - 3.1 THE SCOPE OF WORK INCLUDES THE FOLLOWING AT A MINIMUM:
 - A. PROVIDING SHOP DRAWINGS FOR METAL BUILDING COMPONENTS INCLUDING ARCHITECTURAL AND STRUCTURAL DETAILS, CONNECTIONS, FASTENERS, SHEETING, ETC.
 - B. PROVIDING ALL PRE-ENGINEERED METAL BUILDING COMPONENTS INCLUDING ARCHITECTURAL AND STRUCTURAL DETAILS, CONNECTIONS, FASTENERS, SHEETING, ETC.
 - C. PROVIDING ALL PRE-ENGINEERED METAL BUILDING COMPONENTS INCLUDING ARCHITECTURAL AND STRUCTURAL DETAILS, CONNECTIONS, FASTENERS, SHEETING, ETC.
 - D. PROVIDING NEW DETAILS AS REQUIRED AND AS SHOWN ON ARCHITECTURAL DRAWINGS TO ENCLOSE THE BUILDING.
 - E. ARCHITECTURAL DRAWINGS ADJOINING AS SHOWN ON ARCHITECTURAL DRAWINGS.
 - F. FINISH-OUT/CLIQUE-OUT AS REQUIRED BY THE ARCHITECT.
 - 3.2 ALL STRUCTURAL ELEMENTS FOR PRE-ENGINEERED BUILDING COMPONENTS SHALL BE DESIGNED, FABRICATED, AND ERECTED IN CONFORMANCE WITH THE LATEST EDITION OF THE AISC, LATEST EDITION.
 - 3.3 THE DESIGN OF ALL PRE-ENGINEERED BUILDING COMPONENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN.
 - 3.4 THE DESIGN OF ALL PRE-ENGINEERED COMPONENTS SHALL BE BASED ON THE LOADS INDICATED IN THE DESIGN OF THE PRE-ENGINEERED BUILDING STRUCTURE UNDER CONSIDERATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONCRETE MIX DESIGN.
 - 3.5 ALL BUILDING COMPONENTS SHALL BE COMPATIBLE WITH THE CONTRACT DOCUMENTS. ANY REQUESTS FOR CHANGES SHALL BE SUBMITTED TO THE ARCHITECT DURING THE BIDDING PROCESS.
 - 3.6 FIELD WELDED CONNECTIONS FOR LIGHT GAGE MEMBERS SHALL NOT BE PERMITTED WITHOUT SPECIFIC WRITTEN APPROVAL OF THE ARCHITECT.
 - 3.7 BUILDING COMPONENTS SHALL NOT BE USED TO RESIST LOADS UNLESS NOTED OTHERWISE.
 - 3.8 SHOP DRAWINGS SHALL BE PROVIDED FOR ALL STRUCTURAL ITEMS AND SUBMITTED FOR REVIEW AND APPROVAL FROM PREVIOUSLY SUBMITTED SHOP DRAWINGS. SHALL BE SO PROVIDED FOR ALL STRUCTURAL ITEMS AND SUBMITTED FOR REVIEW AND APPROVAL FROM PREVIOUSLY SUBMITTED SHOP DRAWINGS.





NOTIFICATION OF COMPLETED APPLICATIONS

Processing has been completed on the following application (s) for Ohio Special Hauling Superload Permit (s). Please contact the Ohio Department of Transportation, Special Hauling Permit Section when you wish to activate the permit (s).

Date: 4-26-18
Fax to: Edwards Moving
Fax Number: 502-633-6494

Hauler	Job Number	OSHP (Entire Route)	ODOT**	Private	OSHP (Partial Route)
	4876710	(4) ✓		✓	

Other comments:

****If ODOT is required the hauler must contact ODOT not more than by noon two business days before the move date to schedule an ODOT monitor.**

Example: If you want to move Monday then contact ODOT by noon on Thursday. If you want to move on Wednesday then contact ODOT by noon on Monday.

THE HAULER MUST CONTACT THE OHIO STATE HIGHWAY PATROL (OSHP) IN THE OHIO COUNTY WHERE THE ESCORT WILL ORIGINATE AT LEAST 48 HOURS PRIOR TO MOVE. POST PHONE NUMBERS CAN BE FOUND AT WWW.STATEPATROL.OHIO.GOV.

Ohio Department of Transportation, Special Hauling Permit Section.

Telephone: (614) 351-2300

Fax: (614) 728-9945

Email: superload.permits@dot.state.oh.us

*****WHEN YOU ARE READY FOR THE APPROVED APPLICATIONS TO BE ISSUED, SEND THIS SHEET TO THE ABOVE FAX NUMBER WITH THE DESIRED EFFECTIVE DATE AND FAX NUMBER OR EMAIL ADDRESS.**

Desired Effective Date: _____

Fax number: _____

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

5/10/2018 4:19:53 PM

in

Case No(s). 13-0197-EL-BGN, 16-1687-EL-BGA, 17-1099-EL-BGA

Summary: Notification of Compliance with Condition 9 of the Supplement—State/Federal Permits (Part 2 of 2) electronically filed by Mr. William V Vorys on behalf of Trishe Wind Ohio, LLC