	■ 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)	3*	191
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: I	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 Desi	gn Professional in Responsible Charge:
Name of Designer:	
Ohio Registration No.:	
Name of Company:	
Signature:	
Date:	
<b>Property Owner:</b>	
Name of Owner:	
Name of Company:	
Cian atoms	
Signature:	
Date:	

Revised 10/02/2015



## Richard LaCourse Engineering Technician

www.ttlassoc.com

Environmental, Geotechnical Engineering & Testing

#### **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.



Plan Number:

Date of Approval:

2018020602

### **Ohio Department of Commerce Division of Industrial Compliance**

John R. Kasich Governor

Jacqueline T. Williams Director

### **Certificate of Final Plan Approval**

Property Address:

HAVILAND OH 45851

11874 SR 144

Geoffrey D. Eaton Chief Building Official

County:

**PAULDING** 

	<b>Date of Approval:</b> 03/27/2018	Type of Project: New Building	Governing Building Code: OBC 2017
Building / Business Name: NWOWF O&M FENCE		Description of the Project:	Sec. 100 (100 (100) 100)
		FENCING TOTAL FENCE INSTALLED IS 680 FT	
	Property Owner: STARWOOD ENERGY GROUP GLOBAL LLC ALEX DABERKO 5 GREENWICH OFFICE PARK Floor 2ND	Submitter:  BRIAN MARTIN 33126 MAGNOLIA CIR Suite 200 MAGNOLIA TX 77354-1629	Design Professional:  RAYBURN DONALDSON 2118 LAMAR ST Suite 200 HOUSTON TX 77003
	GREENWICH CT 06831		
Approved Scope of Project:		Authorized No. of Inspections:	Use Occupancy Groups:
	General Building Trade	5	Construction Type: Type II B
			Number of Stories:
			Building Occupant Load:
1	ntil the work is completed. Failure to meet th	<ul> <li>This certificate shall remain posted in a conese requirements may result in the refusal of the conese.</li> </ul>	onspicuous and safe place on the job site of service and/or the issuance of an
S	equesting applicable inspections accordingly ntil the work is completed. Failure to meet the djudication order. The building/structure shat sued before the building/structure can be le ermits. In order to schedule an inspection, command 2:30 pm.	r. This certificate shall remain posted in a consese requirements may result in the refusal of the properties of the	onspicuous and safe place on the job site of service and/or the issuance of an Certificate of Use and Occupancy shall be r obtaining all local zoning and sewage his certificate between the hours of 8:15
S	equesting applicable inspections accordingly ntil the work is completed. Failure to meet the djudication order. The building/structure shall sued before the building/structure can be learnits. In order to schedule an inspection, can and 2:30 pm.  Structural / Electrical / Plumbing 1-800-822-3208	r. This certificate shall remain posted in a conese requirements may result in the refusal of the properties of the p	onspicuous and safe place on the job site of service and/or the issuance of an Certificate of Use and Occupancy shall be robtaining all local zoning and sewage
S	equesting applicable inspections accordingly ntil the work is completed. Failure to meet the djudication order. The building/structure shat sued before the building/structure can be learnits. In order to schedule an inspection, can and 2:30 pm.  Structural / Electrical / Plumbing	r. This certificate shall remain posted in a consese requirements may result in the refusal of the properties of the	onspicuous and safe place on the job site of service and/or the issuance of an Certificate of Use and Occupancy shall be robtaining all local zoning and sewage this certificate between the hours of 8:15  All Other Inquiries
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S i	equesting applicable inspections accordingly ntil the work is completed. Failure to meet the djudication order. The building/structure shall sued before the building/structure can be learnits. In order to schedule an inspection, can and 2:30 pm.  Structural / Electrical / Plumbing 1-800-822-3208 8:15 am to 2:30 pm.  Eate Inspector's Signature for Occupance of the provided in the second of the provided in the second of	This certificate shall remain posted in a consese requirements may result in the refusal of pass final inspection and a State of Ohio (gally occupied. The owner is responsible for ontact the numbers listed on the bottom of the State Fire Marshal 614-728-5460  ancy:  Date:  Date:  Date:  Date:	All Other Inquiries 1-800-523-3581 8:00 am to 5:00 pm  Suilding Official Signature:  Ohio Department of Commerce Division of Industrial Compliance 1606 Tussing Road, PO Box 4009
i i	equesting applicable inspections accordingly at the work is completed. Failure to meet the djudication order. The building/structure shall sued before the building/structure can be learnits. In order to schedule an inspection, on and 2:30 pm.  Structural / Electrical / Plumbing 1-800-822-3208 8:15 am to 2:30 pm  Eate Inspector's Signature for Occupational Structural Approval:  Inal Electrical Approval:  Inal Plumbing Approval:	This certificate shall remain posted in a consese requirements may result in the refusal of pass final inspection and a State of Ohio (gally occupied. The owner is responsible for ontact the numbers listed on the bottom of the State Fire Marshal 614-728-5460  Bancy:  Date:  Date:	All Other Inquiries 1-800-523-3581 8:00 am to 5:00 pm  Suilding Official Signature:



# 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
		ur

# PROJECT INFORMATION

THE PROPOSED FACILITY CONSISTS OF THE CONSTRUCTION OF A CHOUNDAUP 6,500 SJF, PREFABRICATED METAL BUILDING THE FACILITY IS COMPRISED OF AN OFFICE AND SHOP THAT WILL BE USED FOR THE REPAIR STORAGE OF TOOLS AND PARTS FORWIND TRIBBLES. SCOPE OF WORK

INTERNATIONAL BUILDING CODE 2018 ED.
INTERNATIONAL PRIE COCE 2018 ED.
INTERNATIONAL MCCHANGAL COCE 2018 ED.
ATA ACCESSIBILITY GUIDEL NOCE 2018 ED.
ATA ACCESSIBILITY GUIDEL NEES ACAACI, 2019
INTERNATIONAL ENERGY CONSERVATION CODE 2018

CODE COMPLIANCE

ORM BULDING	OFFICE	8	2,506 SQ FT	14.0
	SHOP	E	2,494 SQ FT	14-0
TOTAL			5,000 SQ FT	14:0
BUILDING COL	BUILDING CODE ANALYSIS - O&M BUILDING	A BUILDING		

PROJECT DESCRIPTION
FROM SECURITION
FROM SECURITION
FROM SECURITIES
FROM SECUR

F-1: 24M S.F. (TYPE VB - LIMITATIONS: 8.500 S.F. I STORIES) THE AREA LABELED AS SHOP WILL SERVE AS A MODIFICATE-TOOLS/PARTS USED FOR WIND TURBINES.

CONSTRUCTION TYPE TYPE VB - NON-SPRINKLERED

ALCOMOSTE AREA. PER A SECTIONS 200.A.1. THE TOTAL AND IG GOODS, S. IS LESS THAN THE ALLOWABLE AREA LANTATIONS FOR THE MOST RESTRICTIVE OCCU. TYPE (F.1. 8.500 S.S.) AND THEREFORE CALALESS FOR NON-SEFERATED USE.

NOTE, ALL OTHER APPLICABLE CODE REQUIREMENTS ARE ADDRESSED IN THE PLAN AND MELAPPLED, INCLUDING, BUT NOT LIMITED TO, CHAPTER 6. TYPES OF CONSTRUCTION, CHAPTER 6. FIXTERIOR FANSHES, CHAPTER 10. MEANS OF EGRESS, ETC.

DISCLAMER ALL OCCUPANCY/USE DESCRIPTION IS BASED ON INFORMATION LLC. IS NOT RESPONSIBLE FOR ANY FALSIFIED INFORMATION

MEANS OF EGRESS

CORESS WIDTH CALCULATIONS; BIC 1005.1 OTHER EGRESS COMPONENTS WIDTH: SG OCCUPANTS x.2 INCHES = 10" REQUIRED : 80" MIN PROVIDED

PER IBC 1005,5 MULTIPLE MEANS OF EGRESS SHALL BE SIZED SUCH THAT THE LOSS THE AVAILABLE CAPACITY TO LESS THAT 50 PERCENT OF THE REQUIRED CAPACITY.

COMMON PATH OF EGRESS TRAVEL; IBC 1014.3 COMMON TRAVEL PATH DOES NOT EXCEED 75 IN B. F-1, DCCUPANCY AREAS

TRAISE DISTANCE LIMITATONS (BC 1016.2) EDITS SHALL BE LOCATED ON EACH STORY SUCH THAT THE MANIMUM LENGTH OF EXIT. TRAISE, LIMICANTED PROFIT THE MOST REMOTE ENDIT WITHIN A STORY OT DESETREMACE ON EXIT ACMOST THE NATURAL AND MONOSTRUCTED PART OF EDRESS TRAINES, SHALL NOT EXCEED THE DISTANCES GREATH TABLE 1016.1.

RAVEL DISTANCES DOES NOT EXCEED 200' IN B. F-1 OCCUPANCY AREAS

THE DISTRICT SECTION OF THE STATE OF THE STA

<u>MIMIBER AND CONTRUITY OF EXITS</u> BIG 1021 II: MINAMUM MUMBER OF EXITS, ALL ROCHAS AND SPACES WITHIN EACH STORY SHALL BE PROVIDED WITH AND HAVE ACCESS TO THE MINIMUM NUMBER OF APPROVED INDEPENDENT EXITS BASED ON THE OCCUPANT LOAD OF

SOCIUMNEY OCCUMMI TOMO FIRE DITT REQUESTO FINE BATHO MITHOUT SYMMETRY  FIRST LESS THAN 30 B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
BF-1 WHERE MORE TI

REMARKS	Bi-1 per 25 occupants for 1st 50, 1 per 50 for the remainder exceeding Fi-1 per 150 occupants	Bi: 1 per 40 for the first 60 and 1 per 60 for the remainder exceeding 60 F; 1 per 100 occupants		OWNER PROVIDED DRINKING WATER SUPPLY - BOTTLED WATER CODIER, ETC. W PROVIDED IN LIEU OF HILLOW DRINKING FOUNTAIN
PROVIDED	2	2	-	-
REGUIRED	2	2		-
FIXTURE TYPE	WATER CLOSETS	LAVATORIES	SERVICE SINK	DRINGING WATER

# HAVILAND - O&M PAULDING CO, OHIO **IEA WHITE**



# CONTACT LIST

**LIST OF DRAWINGS** A0,00: TITLE SHEET, INDEX, AND GENERAL NOTES SURVEY

XX XX TEL: (XX) XXX-XXX

DESIGNEUR DER MBA CONSTRUCTION CONTACT: JONATHAN HAY 3378 MAGNOLIA CRCI E MAGNOLIA TX 7754 PHONE; 1659; 789-777 E-MALI: JHAY@missonistru

ARCHITECT
ARCHITECT: AARE DOWNLOON
ARCHITECT: AARE DOWNLOON
CONTACT: ACRE DOWNLOON
E-MALL FOR SITTED
E-MALL FOR SITTED
HOUST ON: TEAMS 77003
TEL: (713) 642-7500

STRUCTURAL:
HZB, INC.
COMTACT TOD HENNING
LZS NORTH LOOP WEST
HCUSTON IX 77806
FEL: (713) 864-2806
FAX: (713) 853-2285
E-MAIL; tod.henring@lidzeng

S0.05 S0.1; S1.0; S2.0;

CPA # 2018020602 (FENCE) - March 27, 2018

# GENERAL NOTES

- ALL WORK SHALL BE DONE BY CONTRACTORS DULY LICENSED BY THE LOCAL JURISDICTION. THE CONTRACTOR AND SUBCONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, INSPECT INSTALLATION OF ALL WOING, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CALL. FROM CITY INSPECTIONS. MATERIAL TESTING BY THIRD PARTY AND PAID FOR BY OWNER.

КАҮВИRИ DONALSON

- work was at productive cookers its and other intensities from known consistent of styles insulations should as Strings in the connection in the control country for contrast and intensities country was estimated institution in sequence for property precipions of the control country somewhat is a Annews one the Alculus Co SUBCONTRACTORS ARE REQUIRED TO CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS COVERING ALL TRADES SO THAT
- LIMITED TO BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, EXCAVATION PROTECTION, SCAFFOLDING, JOB SITE SAFETY FTC delativous wasts to the filt of the deleter to delete deleteres seal not recurs respectible of along fitted.

  FTC delativous wasts to the filt of the deleter to delete deleteres seal not recorded to deletere seal control to deletere seal control to deleteres and the filteres of the control to deleteres and the filteres and CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ALL MEASURES ESSARY TO PROTECT THE STRUCTURE AND PERSONNEL DURING CONSTRUCTION, SUCH MEASURES SHALL INCLUDE BUT NOT BE
  - CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PRIOR TO BESINNING CONSTRUCTION AND NOTIFY ARCHITECT IN WRI OF THE USE OF REPRODUCTIONS OF THE CONTRACT DOCUMENTS FOR SHOP DRAWINGS.
- SHALL BE OBTAINED BY DIRECT SCALING OF THE DRAWINGS, IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RES FOR OBTAINING CLARBICATION FROM THE ARCHTECT BEFORE CONTINUING CONSTRUCTION. ALL MEAS VERIFICATION IN THE FIELD BY THE CONTRACTOR, AND HE SHALL NOTIFY ARCHITECT OF ANY DISCREPAN CORRECT AND THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY.

  DO NOT SCALE DIRAWWIGS, SCALES NOTED ON THE DRAWINGS ARE FOR GENERAL INFORM
- ACTORS SHALL VISIT THE SITE AND INF PRIOR TO COMMENCING ANY AFFECTED WORK.

NOSCITANOCI NAUGENA PAR

- NOTED TO THE CONTHARY, NOTIFY DESIGN IF MANUFACTURER'S REQUIREMENTS ARE MORE STRINGENT. ALL PRODUCTS AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURE
- ADDENDUM OR WHICHEVER IS MORE STRINGENT,
  - CONSTRUCTION,

- THE CONTRACTOR STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE PRASHED STRUCTURE. THEY DO NOT INDICATE THE 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 ARCHITEC

IEA WHITE - HAVILAND

GONGAL NOTES, SHEET INDEX, ABBREN STANDOS.

BEET TO SHEET INDEX BEET OF THE SHEET INDEX SHEET SHEET SHEET INDEX SHEET SHEET SHEET SHEET INDEX SHEET SH

GENERAL NOTES, SHEET INDEX SYMBOLS

### ORAMBIGS | E0.15 |

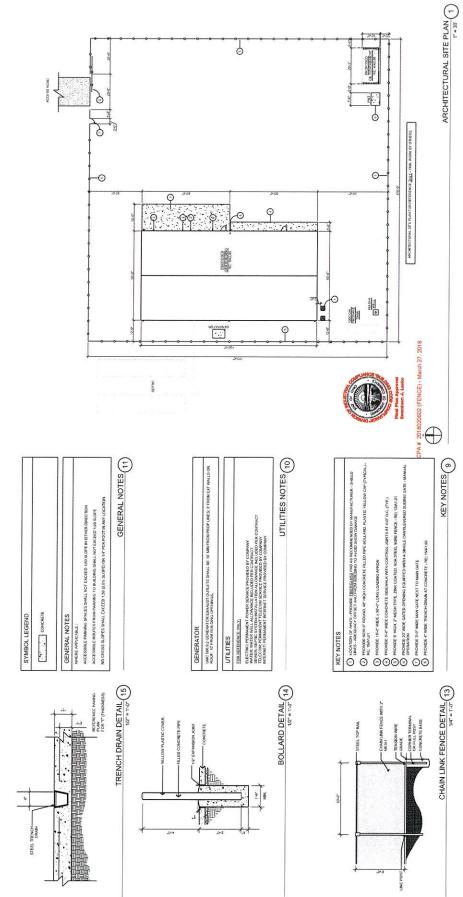
- SHOP DRAWINGS AND CONSTRUCTION DOCUMENTS, NOTIFY ARCHITECT FRIOR TO FABRICATION, FOVIEW OF SHOP DRAWINGS DY ARCHITECT DOES NOT RELIEVE SUBCONTRACTOR OF RESPONSIBILITY FOR CONFORMACE WITH CONSTRUCTION DOCUMENTS.
  - ALL DRYWALL PARTITIONS ARE DIMENSIONED FACE OF FINISH WALL TO FACE OF FINISH WALL, UNLESS OTHE
  - ALL GYPSUM BOARD PARTITIONS SHALL BE TAPE, BED, TEXTURE (LT, K.D. FINISH) UNLESS NOTED
- выдине омеят то мено исселя могимена соемытся: учеме то яличе соемытсять цента, со мамы маю изторим, едствесь, мыньмо выгоом, чистя мыньмо внеговыть мамы соемытсять статту энеговыть от меньмена соемы объемы и соемовые или центальным в внеговыть мамы соемы соемы

GENERAL NOTES. SHEET INDEX, A SYNBOLS PLUMBING FLOOR PLAN PLUMBING DETALS. PLUMBING SCIEDULES

TITLE SHEET

- ALL CRACKS AROUND STRUCTURAL MEMBERS, BRACING, PIPES, CONDUITS, DUCTS AND BETWEEN WALLS AND ROOF DECK WHERE

MB184009 A0.00 INET NATIONS GETWEST COGNITIONED AND NON-COGNITIONED EXTERNING SPACES MAY OCCUP, (E.S. SEA, THE BALENN DIVISIONE).
PROTIED COLINE STELLAR COGNICIA AND NON-AUGUSTA BIOLOGY. SE GEDINER IN A SEED OF COGNICIA COGNI HADES ASSOCIATED WITH SUCH UTILITIES, SITE SHALL BE BLUE-STAKED BEFORE START OF U.G. WORK.





Plan Number:

2018020603

# Ohio Department of Commerce Division of Industrial Compliance

John R. Kasich Governor

Jacqueline T. Williams Director

## **Certificate of Final Plan Approval**

**Property Address:** 

11874 SR 144

Geoffrey D. Eaton Chief Building Official

> County: PAULDING

	HAVILAND OH 45851		
<b>Date of Approval:</b> 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	Submitter:	Design Professional:	
GLOBAL LLC	BRIAN MARTIN	RAYBURN DONALDSON	
ALEX DABERKO 5 GREENWICH OFFICE PARK Floor 2ND	33126 MAGNOLIA CIR Suite 200 MAGNOLIA TX 77354-1629	2118 LAMAR ST Suite 200 HOUSTON TX 77003	
GREENWICH CT 06831 Approved Scope of Project:	Authorized No. of Inspections:	Use Occupancy Groups:	
General Building Trade	5	Construction Type: Type II B	
		Number of Stories:	
		1 Building Occupant Load:	
ssued before the building/structure can be le permits. In order to schedule an inspection, of am and 2:30 pm.	contact the numbers listed on the bottom of	f this certificate between the hours of 8:15	
Structural / Electrical / Plumbing 1-800-822-3208	State Fire Marshal	All Other Inquiries 1-800-523-3581	
8:15 am to 2:30 pm	614-728-5460	8:00 am to 5:00 pm	
State Inspector's Signature for Occupancy: Building Official Signature:			
		Mary Elm.	
Final Structural Approval:	Date:		
Final Electrical Approval:	Date:	Ohio Department of Commerce Division of Industrial Compliance	
Final Plumbing Approval:	Date:	6606 Tussing Road, PO Box 4009 Reynoldsburg, OH 43068-9009 U.S.A.	
Final Fire Approval:		(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

THE PROPOSED FACULTY CONSISTS OF THE CONSTRUCTION OF A CHOUNGLIP GOOD SE, PREFASSIONED METAL BULDING THE FACULTY EFFORMED OF THAT WILL BE USED FOR THE REPAIR STORAGE OF TOOLS AND PARTS FOR WIND TURBLES. SCOPE OF WORK

CODE COMPLIANCE
THE PROPOSED PROJECT SHALL COMPLY WITH ALL

ITERNATIONAL BUB DRNG CODE 2015 ED.
ITERNATIONAL RECODE 2015 ED.
ITERNATIONAL MECHANISTA CODE 2015 ED.
ITERNATIONAL MECHANISTA CODE 2015 ED.
ACCESSBILLY OUDER LARES ACADAS, 2017
AN ACCESSBILLY OUDER LARES ACADAS, 2017
ITERNATIONAL EMEROY CONSERVATION CODE 2017

LEGAL DESCRIPTION

		BUILDING	BUILDING CODE ANALYSIS - O&M BUILDING	BUILDING CODE
14%0	5,000 SQ FT			TOTAL BUILDING
14:-0"	2,494 SQ FT	12	SHOP	
14:-0"	2,506 SQ FT	8	OFFICE	O&M BULDING
BUILDING HEIGH	SIZE	OCCUPANCY	SPACE	DULLDING

PROJECT DESCRIPTION.
THE AREA CHEETED AS OFFICE TO USBACKS GROUP B OCCUPANCY WHERE THE TENANTY PROFESSIONAL TRANSCRIPTIONS. AND STREAMED AS OFFICE TO WE LESSENS FOR THE AREA CHEETED AS OFFICE TO USBACKS.

F-1: 2,494 S.F. (TYPE VB - LIMITATIONS: 8,500 S.F.: I STORIES) THE AREA LABELED AS SHOP WILL SIRVIE AS A MODERATE-TOOLSIPARTS USED FOR WIND TURBINES.

CONSTRUCTION TYPE TYPE VB - NON-SPRINKLERED

COCCUPANCY CALCULATIONS (PER TABLE 1004.11 IBC)
TREAT FLOOR S. SOCIOPANTS
IR. J. SARVINO ». 28 OCCUPANTS
TOTAL OCCUPANT S: 28 » 50 TOTAL OCCUPANTS
TOTAL OCCUPANTS

ALCOWABLE AREA PER SIGCITIONS 302.3.1 THE TOTAL AREA (8.0805.5.) IS LUSS THAN THE ALLOWABLE TYPE IF-1, 8,500.9.5.; AND THEREFORE GUALIFIES FOR NON-SEPERATED USE.

NOTE: ALL OTHER APPLICABLE CODE REQUIREMENTS ARE ADDRESSED IN THE PLAN AND ARE APPLIED, INCLUDING CHAPTER 8-TYPES OF CONSTRUCTION, CHAPTER 8-INTERIOR FINISHES, CHAPTER 10-MEANS OF EGRESS, ETC.

DISCLAIMER ALL OCCUPANCYLUSE DESCRIPTION IS BASED ON INFORMATION LLC, IS NOT RESPONSIBLE FOR ANY FALSIFIED INFORMATION

GERGES WIDTH CALCULATIONS INC 1005,1 OTHER EGRESS COMPONENTS WIDTH: 50 OCCUPANTS X.2 NICHES = 10° REQUIRED : 60° MIN PROVIDED

PER BIC 1006.5 MULTIPLE MEANS OF EGRESS SHALL BE SIZED SUCH THAT THE LOSS OF ANY ONE MEAN THE AVAILABLE CAPACITY TO LESS THAT SO PERCENT OF THE REQUIRED CAPACITY.

COMMON PATH OF EGRESS TRAVEL, BC: 1014.3 COMMON TRAVEL PATH DOES NOT EXCRED 75 IN B; F-1, OCCUPANCY AVEAS

TRANEL DETANCE BATATIONS; BETONG Z'DITS SWALL BE LOCATED ON EACH STORY SUCH THAT THE MAXIMUM LENGTH OF EAT ACCE FRANEL LAGSJUEG FORM THE MAST TREADED FOR WITHING A TORY TO THE FRISTINGED TO METAL ACCE MATLANGLAND THE MATLANGLAND WOODS THAT OF DEPENDENT OF THE SWALL SPALL BY TO EXCEED THE DISTANCES OFFEN THALE STORY.

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MANUEL AND CONTRUIT OF DATE BIC 1071.1 MINIMUM NUMBER OF ETTS, ALL IGOMS AND SWAES WITH ELONG STORY SHALL BIC STATES WITH AND MAKENS TO THE MINIMUM NUMBER OF APPROVED INCHREGATER TOTIS ENSED ON THE OCCUPANT LODGO OF CONTRUIT TO THE DISTRIBUTION.

CORRIDOR FIRE-RESISTANCE RATING: IFC TABLE 1018.1

DEC.1	
	0
WHERE MORE THAN ONE EXIT OR EXIT ACCESS I DEAD ENDS IN CORRIDORS MORE THAN 20 FEET	WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOGRWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE DEAD BIDS IN CORRIDORS MORE THAN 30 FEET

|--|

# **IEA WHITE**

HAVILAND - O&M PAULDING CO, OHIO



# **LIST OF DRAWINGS**

CONTACT LIST

A0.00: TITLE SHEET, INDEX, AND GENERAL NOTES SURVEY

A0.01; A1.00; A1.00; A2.01; A2.02; A2.02; A2.03; A1.00; A1.00; A7.01;

DESIGN BUILDER
MARA CONSTRUCTION
MARA CONSTRUCTION
3376 MAGNOLIA CIRCLE
3376 MAGNOLIA CIRCLE
PHONE: 1855/ 785-773-7
PHONE: 1855/ 785-777
E-MARL: JANY (()) measonshuck CXX) XXX-XXX

\$0.05 \$0.1; \$1,00 \$2,00

GENERAL NOTES, SHEET INDEX, A SYMBOLS MECHANICAL FLOOR PLAN MECHANICAL DETALS MECHANICAL SCHEOLLES MECHANICAL ENERGY CODE COM

GENERAL NOTES, SHEET INDEX, ABBREV SYMBOLS FULMBING ELOSP PLAN PLUMBING DETALS PLUMBING SCHEDULES 

# 2018020603 (OIL SHED) - March 27, 2018

# GENERAL NOTES

- THE CONTRACTOR, IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THESE CONTRAC
- CORPORATE LANGER AND SPREWINSON RICIARIO, ALL WORK SHALL BE FOUNDED DE A GOOD WORLANDER BANKER, ALL WORKER, DE BOME FOUNDERFOUNDED LANDERSON FOR ELECTRON ALEBRICHON.
  RECOMMENDER AND SERCOTIVE CORPORATION OF ALL PROMISED TO COLOR STORY OF A THORSE AND DEPOSITS RECURRING THE PROMISED TO COLOR STORY OF A THORSE AND DEPOSITS RECURRING THE ALL WORK, IT SHALL BE THE CONTINUE TO COLOR THE STORY OF A THORSE AND DETAINED THE STORY OF ALL WORK, IT SHALL BE THE CONTINUE TO COLOR STORY OF A THORSE AND DETAINED THE STORY OF THE STORY OF

21 8 LAMAR 51., 51E. 200 HOUSTON, TEXAS 77003 (713) 842 - 7500

RAYBURN DONALSON

- - LIMITED TO BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, EXCAVATION PROTECTION, SCAFFOLDING, JOB SITE TO PROTECT THE STRUCTURE AND PERSONNEL DURING CONSTRUCTION, SUCH MEASURES SHALL INCLUDE BUT NOT B THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE
    - ETC. OBSERVATION WISTS TO THE SITE BY THE ARCHITICT, DWARER, OR ENGINEER SMALL NOT RICLIDE RESPECTION OF ADDRETTERS, CONTRACTOR AND SUGGONTRACTORS SHALL NOT USE REPRODUCTIONS OF THE CONTRACT DOCUMENTS AS SHIP DRAWMENS. OR THE
- INASI OF SHOP DRAWINGS, WITHOUT WRITTERALTHORIZATION BY THE ARCHITECT. THE MIGHTECT ASSAMES NO LIMBELTY AS THE RESI OF THE USE OF REPRODUCTIONS OF THE CONTINCT DOCUMENTS FOR SHOP DRAWINGS. F ANY DISCREPANCIES, PROCEEDING WITH WORK SHALL CONSTITUTE ACCEPTANCE BY THE CONTRACTOR THAT ALL CONDITION CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PRIOR TO BEGINNIN
- SHALL BE OBTAINED BY DIRECT SCALING OF THE DRAWINGS. IF DIMENFOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONT
- VERIFICATION IN THE FIELD BY THE CONTRACTOR, AND HE SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABI
- - 248 SHALL VISIT THE SITE AND INFORM CONTRACTOR OF ANY

NOZGLANOG NRUBYAR meri ingeneral engineral respective to the baseless to the response of the common opposition of the respective to the new state, the common opposition of the formation which is to examine a reference opposition of the formation.

- SHELVING, MIRRORS, PECBOARDS, COUNTERS, TOXET PARTITIONS AND ACCESSORIES ETC.

- METHOD OF CORRESPONDENT THE CONTRACTOR SHALL MONEY ALL METHODS RECEIVED THE STINLING ENBODI CONTRACTOR SHA METHODS SHALL MAKEINE SHALL SHEATEN TO REMOTE SHALL FOR SHALL FOR THE OFFI CONSTRUCTOR SHALL MAKE SHALL SHALL SHALL SHALL SHALL SHALL SHALL SHALL FIRST THE OFFI THE SHALL THE CONTRACTOR SHALL S CHARACTERISTICS AND REGUMEDIENTS OF SPECIPIC MATERIALS. THE CONTRACTOR STRUCTURAL DRAWNINGS AND SPECIFICATIONS REPRESENT THE PRESHED STRUCTURE. THEY DO NOT MODICATE
  - ARCHITECT OF RECORD.

O&M BUILDING
O&M BUILE - HAVILAND

- SHOP DRAWINGS AND CONSTRUCTION DOCUMENTS, NOTIFY ARCHITECT PRIOR TO FABRICATION, REVIEW OF SHOP DRAWINGS I ARCHITECT DOES NOT RELIEVE SUBCONTRACTOR OF RESPONSIBILITY FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS SHOP DRAWINGS ARE TO COMPLIMENT AND SUPPLEMENT CONSTRUCTION DOCUMENTS, WHEN CONS
  - ALL DRYWALL PARTITIONS ARE DIMENSIONED FACE OF FINISH WALL TO FACE OF FINISH WALL UNLESS OTHERWISE NOTED.
    - PARTITIONS SHALL BE TAPE, BED, TEXTURE (LT, K.D. FINISH) UNLESS NOTED OTHERWISE.
- BULKNO-WORT TO NOW JECTIES AND WORDON CONFLICTS.

  BURKNO-WORT TO NOW JECTIES AND WORDON CONFLICTS.

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TITLE SHEET

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DATE 01-26-18
PROJECT:
MB184009
SHEET:

A0.00

STEEL TRENCH DRAIN

DATE: 01-26-18
PROJECT:
MB184009
SHEET:

A1.00

ARCHITECTURAL SITE PLAN

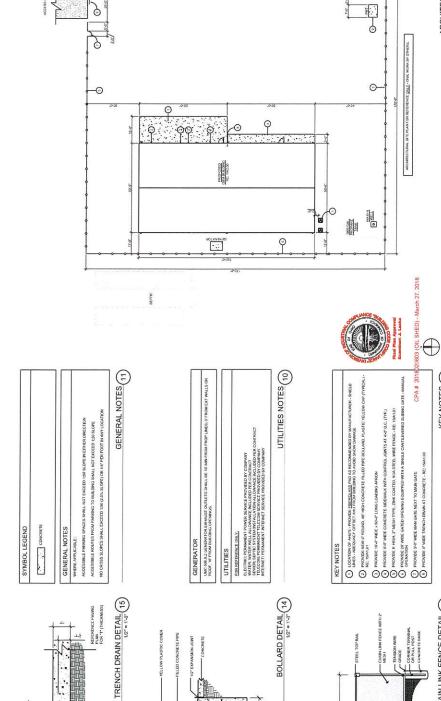
KEY NOTES (9)

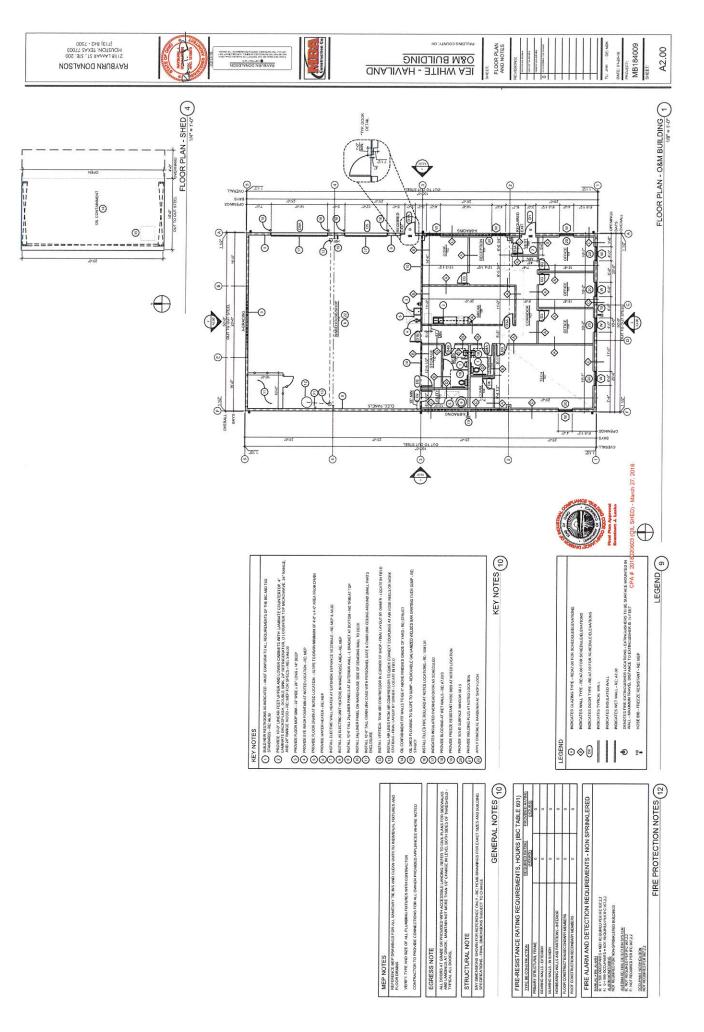
CHAIN LINK FENCE DETAIL (13)

MESH LINK

SHEET: SITE PLAN IEA WHITE - HAVILAND

9





2118 LAMAR 51., STE. 200 HOUSTON, TEXAS 77003 (713) 842 - 7500 RAYBURN DONALSON System Sea, AS HORSENS AN ELLERW SCHERKART BY LAYOUTS AND ARROY OF BASING A STATEMAN SHARE AND ARROYS AND ARRO RAYBURN DONALDSON



ОЯМ ВИГРІИС **IEA WHITE - HAVILAND** 

SHEET: REFLECTED CEILING PLAN

MB184009

A2.10

REFLECTED CEILING PLAN (1)

RCP - STORAGE SHED (14)

OPEN TO DECK **0** 

400 WATT SUPER METAL HALIDE WALL PACK WITH

4" STRIP LIGHT FLUORESCENT FIXTURE

å I

ACRYLIC PRISMATIC 2' X 4' LIGHT FIXTURE REFLECTED CEILING PLAN LEGEND

7 or 2 also devotros Tar Casa de Anolosa Casa de Anolosa Casa de Anolosa de Anolosa Casa de Anolosa de Anolosa Casa de Anolosa de Anolosa de Anolosa Casa de Anolosa de Anolosa

LEGEND (10)

CELING PLANS INDICATE SUGGESTED OR PREFERRED SUSPENSION GRID LAY-OUTS, ALL CONTRACTORS TTO DE TRESPONSIBLE FOR CROSS COORDINATION BETWEEN MECHANICM, ELECTRICAL, FLUMBING ITEMS AND THEIR SCOPE OF WORK.

REFER TO MECHANICAL, PLUMBING & ELECTRICAL DRAWNINGS FOR NUMBER, SIZE & RODMLOCATION ACCESS DOORS REQUIRED IN HARD CELLINGS OR WALL ACCESS ABOVE SUSP, ACOUST, TILE CLOS,

RCP GENERAL NOTES

MEANS OF EGRESS ILLUMNATION LEVELS SHALL NOT BE LESS THAN 1 FOOT-CANDLES AT THE WALKING SURFACE,

EGRESS LIGHTING GENERAL NOTES

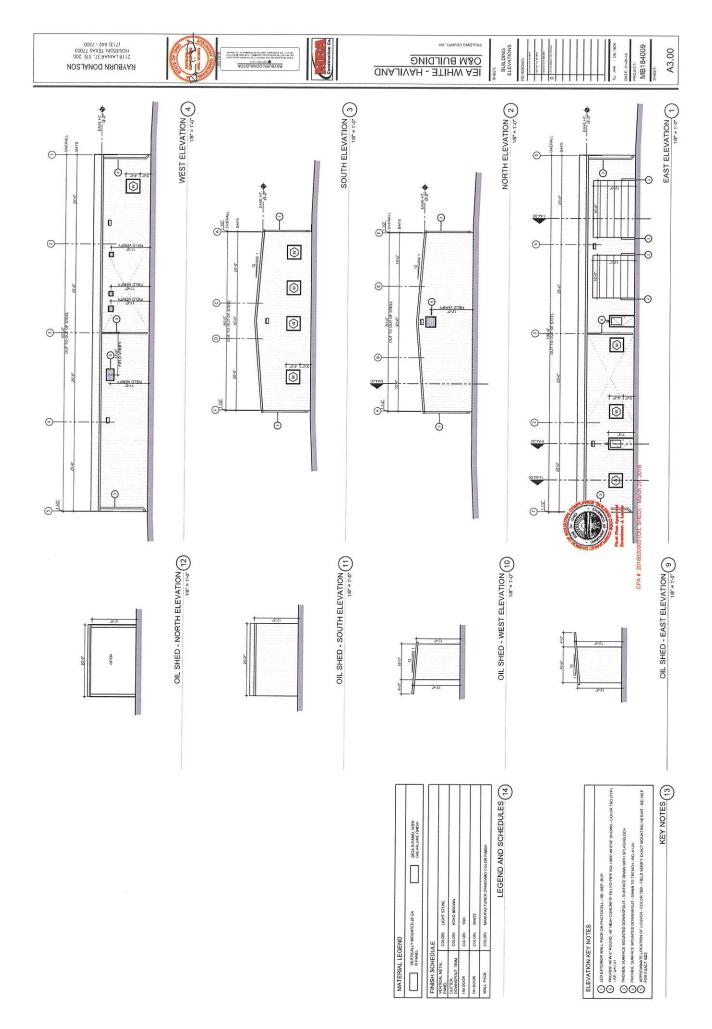
NOTE: EMERGENCY LIGHTING AND EXIT SIGNS TO COMPLY WITH UL 1924, SEE ELECTRICAL DRAWING

EXIT SIGNAGE

3 John SHED) - March 27, 2018

ENT DOUBS SHALL BE MARKED BY AN APPROVED BUT SHAN INDULY YIBBLE TROUG MAY DESCRIPTION OF SERVINGEL THE BURNESS THE SERVINGE TO BETTER SOON OF THE BURNESS THE BURNESS THE PLOCEMENT OF SIGN TO CLUMMY INDUCH THE DESCRIPTION OF EXCESS THANKI, LOTT MAKE IN THE CHARLES THE SERVINGEN THE PROPERTY OF THE PROPERTY OF THE SERVINGE STATE OF THE SERVINGE STATE OF THE THE SERVINGE STATE OF THE SERVINGE

GENERAL NOTES



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GENERAL NOTES

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRICE TO COMMENCING ANY WORK.

WELDED WIRE REINFORCEMENT (WWR): ASTM A185, MINIMUM LAP AND EMBEDMENT TO BE THE OREATER OF DNE CROSS WIRE SPACING PLUS 2" OR 8" PROVIDE FLAT SHEETS DNLY, NO ROLLS.

ALL REINFORCING STEEL SHALL BE CLEAN. NEW AND FREE OF DIRT, NUST OR DILT, AND SHALL WEET DR. EXCEED THE REQUIREMENTS OF ASTM A-615, GRADE 60. EXCEPT M3 STIRRUP BARS WHICH MAY BE GRADE 40. PLAIN SWOOTH RODS OR DOWELS SHALL CONFORM TO ASTM A-675. GRADE 80.

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2.18

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AND SHALL, MOTT BE RESTRICTED FOR CHOOSE OF THE CHOOSE OF TH

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2.1 2.2

FOUNDATION NOTES:

IN MEAS WHERE THERE IS VECETATION, CONFRACTOR SIALL SEAL PRIGETATION COMPLETE, TO A DOP! IN OF MICHOGODE, THE STATE OF THE CONTRACTOR SHALL NOTIFY DWNER'S REPRESENTATIVE SHOULD ANY DIMENSIONS OR CONDITIONS VARY FROM INTENT OF THE DRAWINGS. 2.3

JOHT FILLER STRIPS FOR JOINTS SHALL CONFORM TO ASTM DO THIS ON DO THIS STOUNT FILLER SHALL BE 1/2 INCH THICK MINIMAN UNLESS SHOWN OTHERWISE DN ORAWINGS. JOHN STALANT FOR PORTIAND CEMENT CONCRETE PAVEMENTS SHALL CONFORM TO ASTM D-1405. 2.20

H2B, INC. 1225 N Loop W. Suite 800 HOUSTON, TX 77006 713.864.2900

2.21 #5 X 5'-0" LDNG REINFORCING STEEL SHALL BE PROVIDED AT ALL RE-ENTRANT CORNERS. 3. PRE-ENGINEERED METAL BUILDINGS:

CONTRACTOR SHALL SCARLEY SUBGRADE TO A MINIMUM OF SPECENT OF PERCENT OF THE AXABAM PROPERSITY TEST (ASTM D-698). THE STAMBAMO PROCIED DENSITY TEST (ASTM D-698). THE STAMBAMO PROCIED DENSITY TEST (ASTM D-698). PRICENTED SHALL RANCE BETWEEN O TO 44 PERCENT OF DATI MAMA MOISTURE, CONTENT.

GRADE THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND SLABS. WATER SHALL NOT BE ALLOWED TO PHE BUILDINGS OR SLABS.

5.5 5.6

THE STRUCTURE GRANINGS, AND SECTE CATTOOS ARE A PORTION OF THE CORSTRUCTION GOLDMENTS. THE REFERENCE AND COUNTACT HOS SHALL REFERENCE AND COURSE IN THE ALL OTHER DISCIPLINES' DRAININGS. AND DISCISSIONS SHALL BE REPORTED THE STRUCTURAL EGOINEER AND MACHITECT.

1. GENERAL

CONTRACTOR SHALL PROOF ROLL THE SUBCRADE TO DETERMINE LOCATION OF SOFT OR LOOSE SOILS WHICH MAIST BE REMOVED AND REPLACED WITH SELECT FILL.

STRUCTURA, SEECT FL. SHALL BE. A CREAN SAMOT CLAY
LESS THAN A SMOT SHATTRIAL. BITS I TOUT CHAIN
LESS THAN A SMOT SHATTRIAL. BITS I TOUT CHAIN
LESS THAN A SMOT SHATTRIAL. BITS I TOUT CHAIN
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TO 35 PERCENT OF THE MAKING BY DERS ITY TEST I GATA
TO 35 PERCENT OF PRILAM MOST SHATE CONTENT.

2.7

1. GENERAL BUILDING CODE: INTERNATIONAL BUILDING CODE.

A. CODES AND SPECIFICATIONS:

1.2 DESIGN CRITERIA:

2. CONCRETE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE. AMERICAN CONCRETE INSTITUTE. ACI 318-14.

B. DESIGN LOADS (PSF); 1. DEAD LOADS:

3.1 THE SCOPE OF WORK INCLUDES THE FOLLOWING AT A MINIMUM:

A PROVIDER SPOR DRAINES FOR METAL BUILDING MESSIGNES. AND STRECTION.

B. PROVIDERS OFFICE AND STREET BUILDING MESSIGNES. AND STRECTION.

C. TRANSPORTING AND ERECTIVE NET FRANCE AND D. PROVIDERS. AND ERECTIVE NET FRANCE AND D. PROVIDERS. AND STREET STREET

ALL STRUCTURE STEEL USED FOR MEET COMEETED.
BUILDING COMPRENTS SAALL BE GESTEMEN LATEGORY AND ENTER LATEGORY CATEGORY OF THE ALSO. THE DESIGNA MO FABRICATION TO PROMISE WITH THE ALSO. THE DESIGNA AND FABRICATION AND FABRICATION.

3.2

ALL TORN WORK SHALL BE PLACED AND SHORD. ALL NEEDS THE SET AND TEED AND THE SET AND THE

SAND SHALL BE CLEAN, SHARP, GRANULAR TYPE, LOCALLY AVAILABLE AND EASILY COMPACTED FREE OF VEGETATION OR DTHER DELETERIOUS MATERIAL.

2.8

THOSE SHOW ON THE MEDITECTURA, ON STRUCTURAL DRAWING SHALL BE REPORTED BY THE CONTRACTOR TO THE STRUCTURAL DATABLE R FOR VEH FLATION DE LOAD-GARTING CAPACITY OF THE STRUCTURE.

5.9

20 PSF

OIL CONTAINMENT ---

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2. LIVE LOADS: WIND LOADS: 3.3

REINFORCING STEEL SHALL BE LAP SPLICED A MINIMUM OF ASM OLAMESTS. MINIMUM 10-FOOT MONE CHARGE BARNS BENT 90-BCRRES SHALL BE PROVIDED AT ALL GRADE BEAM GOMERS S. FEET GACH LEG. MINIMUM REINFORCING STEEL COVER SHALL BE PROVIDED AS FOLLOWS:

CONTRACTOR SHALL HAND TAMP BOTTOM OF GRADE BEAM EXCAVATIONS TO A HARD SURFACE BEFORE PLACING REINFORCING STEEL.

2.10 2.11

THE ULTIMATE DESIGN WIND SPEED (V-ULT) FOR USE IN THE DESIGN OF RISK CATECORY II BUILDINGS AND STRUCTURES SHALL BE 115 MPH.

THE DESIGN OF ALL PRE-PRINCEROD BUILDING WOMENS AND CORPORENTS THICLDING ANCIDES BUILDING WOMENS CHEMPING AND SHALL BE THE RESPONSIBILLIY DESIR PRE-PRINCERED BUILDING ANALVACHIRES. THE OSE THE PRE-PRINCERED BUILDING ANALVACHIRES. THE THICKNER PRE-PRINCEROD BUILDING ANALVACHIRES. THE THICKNER PRE-PRINCEROD BUILDING BUILDING BUILDING THE PRESIDENCE OF THE PRESIDENCE AND THE PRESIDENCE AS THE PRESIDENCE AND THE

LOS SON OR ALL PRE-ENCINEERED COMPONENTS SHALL BESENDED SON THE LOADS NOTOTRED IN THE "DESIGN DEADS. SECTION OF THE SYNCHOLOGE, DEFECTIONS CONTINUE UNDER LOADS NOT SHALL NOT EXCEED THE PRE-ENTONING STRUCKE UNDER UNDER CONTINUE UNDER UNDER CONTINUE UNDER CONTINUE UNDER UNDER CONTINUE UNDER UNDER CONTINUE UNDER UNDER CONTINUE UNDER UNDE

4.5

RICID FRAMES AND COLUMNS - DRIFT H/300 LATERAL WALL GIRTS AND EAVE STRUTS L/180 LATERAL BASES OF COLUMNS SHALL BE DESIGNED AS PINNED SUPPORTS.

3.5

THIS FOUNDATION DESIGN IS BASED ON IBC TABLE 1806.2, "PRESUMPTIVE LOAD-BEARING VALUES." THE BEARING CAPACITY FOR TYPE 5 SOIL IS 1.500 PSF.

ALL CONCRETE SURFACES SHALL BE PROPERLY CURED AND SUFFICIENT TIME ALONGO BEFORE FERMITYING TRAFFIC CONSTRUCTION TO PROCEED. A MARG STEEL TROWELFINISH SHALL BE PROVIDED ON ALL CONCRETE.

2.12

COMPIACIONE SALAL YRRIFY, ALL DIMENSIONS AND SITE TOWN THOSE PRIBEITS ARRICATION/CONSTRUCTION. STRUCTURAL SENDIERE TO FABRICATION/CONSTRUCTION. CONTRACTOR IS REPORTED FOR ALL TOWN CONSTRUCTION. INTENDED BY THE DRAWINGS AND SPECEFICATION.

1.3

LIVE LOAD REDUCTIONS MAYE BEEN APPLIED IN ACCORDANCE WITH THE BUILDING CODE. UNLESS NOTED.

WIND IMPORTANT FACTOR (TW) -----WIND EXPOSURE CATEODRY ------INTERNAL PRESSURE COEFFICIENT ----

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1.4

CONCRETE REINFORCING CONCRETE MIX DESIGNS

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1.6

2.13 2.14 2.15

3" WHERE CONCRETE CONTACTS EARTH
11/2" WHERE CONCRETE CONTACTS FORM

FOOTINGS SHALL BE POURED IMMEDIATELY UPDN COMPLETION OF EXCANATION AND CLEANING OF FOOTING BEARING SUMFACE. ALL SPOILS FROM THE FOOTING. EXCAVATIONS SHALL BE REMOVED FROM THE BUILDING PAD.

OUALITY CONTROL TESTING IS FOR THE OWNER'S BENEFIT AND HE TOWNER SAND THE TYPES AND FEET TOWNER OF TESTING SHALL BE DIRECTED BY THE OWNER OR HIS AND MENT IN FULL COOPERATION WITH AND WITH PRIOR ANNONNEERS TO THE CONTRACTOR.

ALL BUILDING COMPONENTS SHALL BE COMPATIBLE WITH THE CONTRACT DOCUMENTS. ANY REQUESTS FOR MODIFICATIONS SHALL BE SUBMITTED TO THE ARCHITECT DURING THE BIODING PROCESS. 3.6

FIELD WELDED CONNECTIONS FOR LIGHT GAUGE MEMBERS SHALL NOT BE PERMITTED WITHOUT SPECIFIC WRITTEN APPROVAL OF THE ARCHITECT. 3.7

LATERAL STABILITY OF THE BUILDING FRAME SHALL BE PROVIDED IN THE STRUCTURAL REMING, WALLS AND OTHER BUILDING COMPONENTS SHALL NOT BE USED TO RESIST LATERAL LOADS UNLESS NOTED OTHERWISE. B. 3.9

CONCRETE IN FOOTINGS SHALL HAVE A MIX
DESCRIP (FOR A MINHAM OF 3500 PSI IN 72 NON-CONFESITE
SLOSS OF STANDAID THE I CEARTH IN 172 NON-CONFESITE
CONFESITE IN MISTOR SLOSS PRICES TO 100 STANDAID
EVERT DESTRUCTION SLOW PRANCE IS 3 TO 3 NON-EXPERIENCE TO THE PREPARATOR STANDAID
EVERT FERENCH FERRINALISES OF 50 TO 90 DEGREES F MAY
EVERT MINUS SPECIAL PROFISIONS.

5.16

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PROCEDURES. TECHNIOLES. AND SCIENCE.

2.17

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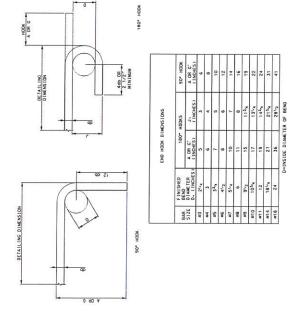
CPA # 2018020603 (OIL SHED) - March 27, 2018

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2 TYPICAL END HOOK DIMENSIONS

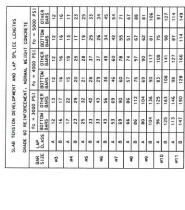
H3 11/2 4 4 4 H4 2 41/2 41/2 ES 21/2 6 51/2 END BAR SIZE O (IN. )A OR C A OR C (IN.) STIRRUP AND TIE HOOK GROSS TIE 135\* HODK



CORNER CONDITIONS-STIRRUP OR TIE

N DB C

12db FOR #6. #7. #8 6db FOR #3. #4. #5



8AR 812E 83 84 86 86 81 81 811 811 811 818

DEVELOPMENT LENGTHS OF STANDARD HOOKS IN TENSION

TYPICAL STIRRUP AND HOOK TIES

135\* HOOK



- OUTSIDE FACE OF BAR

OUTSIDE FACE OF BAR

90\* HOOKS

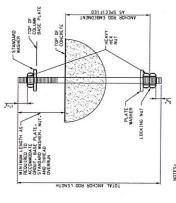
NOTES TO EPECLOPAGE ELDORINGE STAMBARD NEGOES IN TENSION LINGUES).

1. CONTROL OF THE STAMBARD NEGOES IN TENSION LINGUES).

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

3 TYPICAL DEVELOPMENT LENGTHS FOR HOOKS



- 1. REFER TO PRE-ENGINEERED METAL BUILDING PLAN FOR ANCHOR ROD DIAMETER AND QUANTITY.
- ANCHOR BOLTS SHALL BE ASIM FISS4 GRADE 36 WITH HEAVY HEX NUT. SIZES SPECIFIED BY THE METAL BUILDING SUPPLIER. BENEBLENT LENGTHS CORRESPONDING TO ANCHOR BOLT DIAMETERS SHALL BE

<sup>8</sup>A<sub>8</sub> DIAMETER BOLT: MIN 8" EMBEDMENT <sup>9</sup>A<sub>8</sub> DIAMETER BOLT: MIN 12" EMBEDMENT <sup>1</sup>DIAMETER BOLT: MIN 12" EMBEDMENT <sup>1</sup>A<sub>8</sub> DIAMETER BOLT: MIN 20" EMBEDMENT <sup>1</sup>A<sub>8</sub> DIAMETER BOLT: MIN 24" EMBEDMENT

- 3. UNLESS NOTED OTHERWISE. ALL ANCHOR RODS NUTS SHALL BE TIGHTEND TO A "SOUG THAT" COMPITION AS DEFINED BY AISC AFFER THE CONCRETE IS AT LEAST 14 DAYS OLD. THE HOLE IN THE PLATE WASHER SHALL BE 1716" LARGER THAN THE DIAMETER.
- 5 SCALE: NIS

4 SCALE NIS

COORDINATE THIS FOUNDATION PLAN WITH THE ANCHOR OLD TESTING PLAN SUPPLIED BY THE OWNER AND COMPLETED BY MESO BUILDING SOLUTIONS JOB NO.16-8-37440-8 DATES 2/26/18. ANCHOR BOLT NOTE:

1. FOR CONCRETE GENERAL NOTES. SEE DWG \$0.0. 3. SEE DETAIL S/SO.1 FOR ANCHOR BOLT DETAIL.

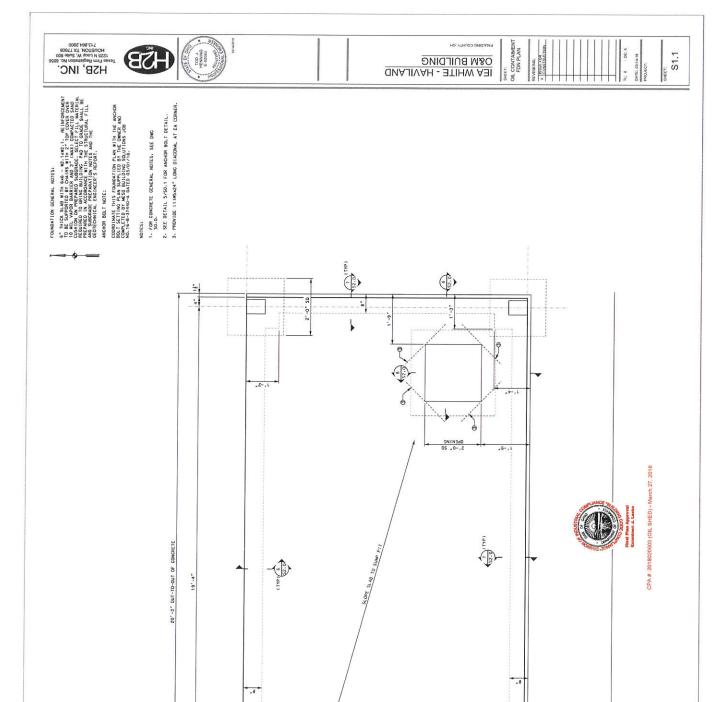
4. C.J. - CONTRO, JOINT (RE: 27/22.0)
CONSTRUCTION NOTES:

A PROVINCE TO 27 JMS x 13.4" LONG MAIPEIN

A PERCENCIAN 45 DECRESS TO EXPERIENCE
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T EACH COUNTY 4 DECRETAINED
COLUMN ITTURE 4 LOGGINGS TO CONTRAINED
COLUMN ITTURE 4 LOGGINGS TO CONTRAINED

(w) (a) .01 .fi (0) (11P) 2'-3" 4 (11P) 4" THICK SLAB SLAB WITH 6" THICK SLAB SLAB WITH 6x6 - W1.4xW1.4 REINFORCEMENT 6x6 - W2.1xW2.1 REINFORCEMENT 25, -0,, 100'-3" QUT-TO-DUT OF CONCRETE (m) 52, -0,, 0 Θ. ١٥. \_\_ 0 0 ∢ (L)

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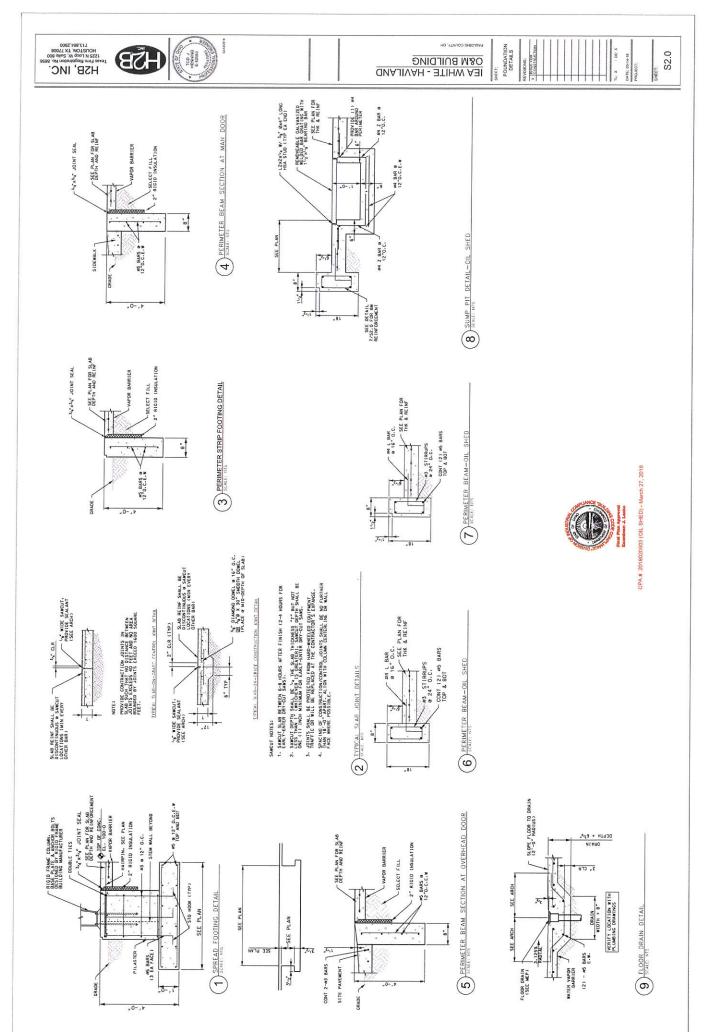
Θ,

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1) OIL CONTAINMENT FOUNDATION PLAN

(6)

10,-1}, ON1-10-ON1 OF CONCRETE



# BUILDER/CONTRACTOR RESPONSIBILITIES

<u>Occaring Volidity</u> – These drowings, supporting structural calculations and design certification are based on the order documents are to the date of these drowings. These documents describe the material supplied by the manufacturer as of the date of these drowings. Any changes to the order documents after the date of these drowings, supporting structural calculations and design extritication. The adulary Contractor is responsible for notifying the building authority of all changes to the arder documents which result in changes to the drowings, supporting structural calculations and design certification.

Ballider Acceptance of Coorlings – Approved of the manufacturer's drawings and design data offirms that the manufacturer has correctly interpreted and opplied the requirements of the order documents and constitute Builder/Contractor acceptance of the manufacturer's interpretations of the order documents and standard proact sperifications, including its design, febrication and quality chief astronger standards and tolerances. (AISC code of standard practice Step 165 Section 4.2.1) (Mar OS Section 4.4.1)

Code Circliad Lagorage — it is the responsibility of the Builder/Contractor to ensure that all project plans and specifications commonly with the opplicable requirements of oncy governing building outbrings. The builder/Contractor is responsible for securing all required opprovals and permits from the opprovals organized to the opposition of the contraction of the opposition of the oppos

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.

<u>Baliding Exection</u> — The Builder/Contractor is responsible for all erection of the steel and associated work in oppositions with the Metal Building Montralceurs drawings. Interprorary suppositions, such as temporary guys, broces, false work or other elements required for erection will be determined, furnished and installed by the erection: (AISC Code of Standard Practice Sept 86 Section 7.9.1) (Mar 05 Section 7.10.3)

Metal Disarcepancies — Where discrepancies exist between the Metal Building plans and plans for other trades, the Building plans will govern. (ASC 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 monufacturer are i representation of not be coordinated by the Builder/Contractor or A/E firm. Unless specific design criterial concerning any interface between materials if furnished as a part of the order documents, the manufacturers assumptions and govern.

Modification of the Metal Building from Plans – The Metal Building supplied by the manufacturer has manufacturer that resigned concriting the Building Octed and specifications and the local shown on this drawing Medication of the building configuration, such as removing well power for baces, from that shown on these Medication of the building integrity of the building. The Metal Building Manufacturer or a Licensed Structural integrity of the building. The Metal Building Manufacturer or a Licensed Structural integrity of the prior to making any changes to the building configuration shown on building and indexed on these drawings.

Equidation Design — The Metal Building Manufacturer is not responsible for the design, materials and before rand place prepared by the manufacturer are intended to show only location, defarmen and projection of the amotor rost required to ottoch the Metal Building System to the specifying rost several term of the properties of the and customer to ensure that detail Building System to the specifying rost expressibility of the end customer to ensure that charges the mass enhanced much in the control of control of embedrated, belong youths, for rosts and or other associated that mas embedded in the control foundation, as well as belonging of the soil ond other conditions of the building System, other imposed and A.)

# PROJECT NOTES

Motifoli properties of steel box, plots and elsest used in the follocition of built—up structural froming members conform to ASIM ASQS, ASIM, ASQS, ASSM, ASQS,

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 sersion (including inspection of the high strength boils or field wield) as required during sersion. The accordination not the costs associated for setting up and Special Inspections are the responsibility of the Erector, Cener, 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, are need, one given within order documents and are applied in general accordance with the applicable provisions of the rinced code described and are certifying engineer declares or these that the loads are resignated, certification is the load to provisions that may apply or to step specific code relations that may apply or for site Architect and/or engineer. The monadcuture's progress'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 manufacture's standard serviceability standards. Generally this means that all products. If special requirements for deflections and whortions limits for normal occupancy and standard metal building products. If special requirements for deflections and vibrations must be adhered to, then they must be clearly stated in the contract documents.

DESIGN LOADING	DING	DR	DRAWING INDEX
	MED BY:	PAGE	DESCRIPTION
SI JA		5	COVER SHEET
THE BUILDER IS TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.	THESE LOADS COMPLY DOAL BUILDING DEPARTMENT.	E	ANCHOR BOLT PLAN
ROOF DEAD LOAD	2.700 PSF	52	ANCHOR BOLT REACTION
COLLATERAL (LIGHTS)	PSF	2	ANCHOR BOLT DETAILS
		5	ROOF FRAMING PLAN
KOOL LIVE LOAD	ZO.CO PSF (REDUCIBLE)	23	ROOF SHEETING PLAN
RISK CATEGORY	II - Normal	a	FRONT SIDEWALL
SNOW LOAD	20 000 per	43	BACK SIDEWALL
SNOW LOAD IMPORTANCE FACTOR (16)		8	LEFT ENDWALL
FLAT ROOF SNOW LOAD (Pf)	16.8 PSF (PER CODE)	93	RIGHT ENDWALL
MIN ROOF SNOW LOAD (P!)	20.00 PSF (PER DESIGN)	DET1-4	STANDARD DETAILS
SNOW EXPOSURE FACTOR (Ce) THERMAL FACTOR (Ct)	1.20	R1-R8	INSTALLATION SHEETS
WIND LOAD	-		

115 MPH 89 MPH (IBC SECTION 1609.3.1) 76 MPH INTERNAL PRESSURE COEFFICIENT (GCpi) 0.55 /-0.55 35.468 PSF PRESSURE -37.670 PSF SUCTION 35,468 PSF PRESSURE -44,208 PSF SUCTION 1.0 ZONE 5, COMPONENT WIND LOAD < 10FT<sup>2</sup> ZONE 4, COMPONENT WIND LOAD 5 10FT2 ULTMATE WIND SPEED NOMINAL WIND SPEED (Vaud) SERVICEABILITY WIND SPEED WIND EXPOSURE CATEGORY TOPOGRAPHICAL FACTOR

FOR APPROVAL

THESE DAWNESS BEING FOR APPROVAL ARE BY
DEPARTON NOT FIRM, AND ARE FOR CONCENTUAL
CONFESS PROFESSER FOR FORESTRANDON ONLY. THERE PURPOSE S TO
DOCUMENTS. ONLY DAWNESS SOURCE
AS COMPLETE.

DRAWING STATUS

5.7700 IN/HOUR RAIN INTENSITY

SECURRENCE (11)

SEISMIC LOAD

SEISMIC LOAD

SEISMIC MPORTANCE FACTOR (w)

1.00 Sps 0.1483 Sp1 0.0992 ZONES PER ASCE 7-10; FIG. 30.4-1 ZONES PRESSURES SHOWN ARE UN-FACTORED S<sub>s</sub> 0.1390 S1 0.0620

FOR CONSTRUCTION PERMIT
THISE DRAWNES, BEING TOR PERMIT, ARE BY
DEFINITION AND THE DRAWNES ISSUED
TOR RECIDEN INSTILLATION\* CAN BE CONSIDERED

X COMPLETE.

X FOR ERECTOR INSTILLATION
FINAL DRAWNES FOR CONSTRUCTION.

D STIFF SOIL AMALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE SEISMIC DESIGN CATEGORY SITE CLASS

SWC

BASIC FORCE RESISTING SYSTEM\*

COLUMN LINE

MONDAY - FRIDAY 7:3DAM TO 5:00PM

800-556-3726 FOR QUESTIONS OR ASSISTANCE CONCERNING ERECTION CALL:

ENGINEERING SEAL

BLDG DESIGN BASE SHEAR (V) TRANSVERSE 0.10 (k) LONGITUDINAL 0.11 (k) RESPONSE MODIFICATION COEFFICIENT(R) 3
SYSTEM OVER-STRENGTH FACTOR(Q<sub>0</sub>) 2.5000 0.049 SEISMC RESPONSE COEFFICIENT(C.)

THIS CERTIFICATION COVERS PARTS MANUFACTURED MODELVERED ONLY.
AND EXCLUDES PARTS SUCH AS DOORS, WINDOWS, FOUNDATION DESIGN AND ERECTION OF THE BULLDING

THE TRANSVERSE DIRECTION IS PARALLE, TO THE RIGID FRAMES THE LONGITUDINAL DIRECTION IS PERPENDICULAR TO THE RIGID FRAMES BASIC FORCE RESISTING SYSTEM

STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

THESE DRAWINGS AND THE METAL BUILDING SYSTEM OF AND THE PRESENT ARE THE REPOULD TO F. AN AFFLIANT OF AND THE METAL BUILDING TO STANKAMW W. HOUSTON IN TATAKKAWW W. HOUSESSON, APPEARS HERED. TO SHOW THE PROPERS OF AN GROUD STANKAM THERED. AN AFFLIANT STANKAM THE AND THE THE STANKAM THE PROJECT. ELDHAERS WHOSE SEAL APPEARS HERDIN IS AN ELBI-DINER FOR THE MANUFACTURER FOR THE MANUFACTURER FOR THE MANUFACTURER FOR THE PRODUCTS FOR THE FROOL OF THE PRODUCTS FOR THE PRODUC

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-4-				٠.				ISSUE	-
Z-6 × 13-								SHEET NUMBER ISSUE	5
BUILDING SIZE: 10 -0" x 20 -0" x 12 -6" x 13 -4"	Calinton	MESCO building solutions	ving, TX 75061	Voice 214-687-9999 Fax 214-687-9737		OWNER: IEA WHITE		JOB NUMBER	16-R-37440-A
F: 10 -	7:50	Sulf	_	Fax		OWNER		PHASE BUILDING ID	A
215	-	<u> </u>	Court	666				8	_
BUILDING	0	2	Creek	1-687-9				PHASE	
	MEC	MES	5244 Bear	Voice 214	AND	NOI	5851	SCALE	NTS
			0000	9	PROJECT: IEA WHITE-HAVILAND	CUSTOMER: MBA CONSTRUCTION	HAVILAND OH, 45851	DATE	3/ 1/18
	V			Building Solutions	PROJECT:	CUSTOMER:	LOCATION:	CAD	018
	DSN	AMK							127.
	CK'D DSN	MMH		~					Marc
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	DESCRIPTION	FOR ERECTOR INSTALLATION							CPA# 2018020
	DATE	1/18							

NOTE: FULL THREAD ENCACEMENT IS DEEMED TO HAVE BEEN MET WHEN THE END OF THE BOLT IS FLUSH WITH THE FACE OF THE NUT.

ORIO 9/16" 1 1/4" FT.

Doer 9/16" 10 1/16" 1 3/4" FT.

Over 1 1/16" 10 1 5/16" 2 1/4"

Over 1 1/16" 10 1 5/16" 2 1/4"

Over 1 1/16" 10 1 1/16" 2 1/4"

Over 1 1/16" 10 2 1/16" 2 1/4"

Over 1 1/16" 10 2 1/16" 2 3/4"

NOTEO ON ERECTION DRAWINGS

FT. DENOTES PULLY THREADED

Rev. 4/4/2017

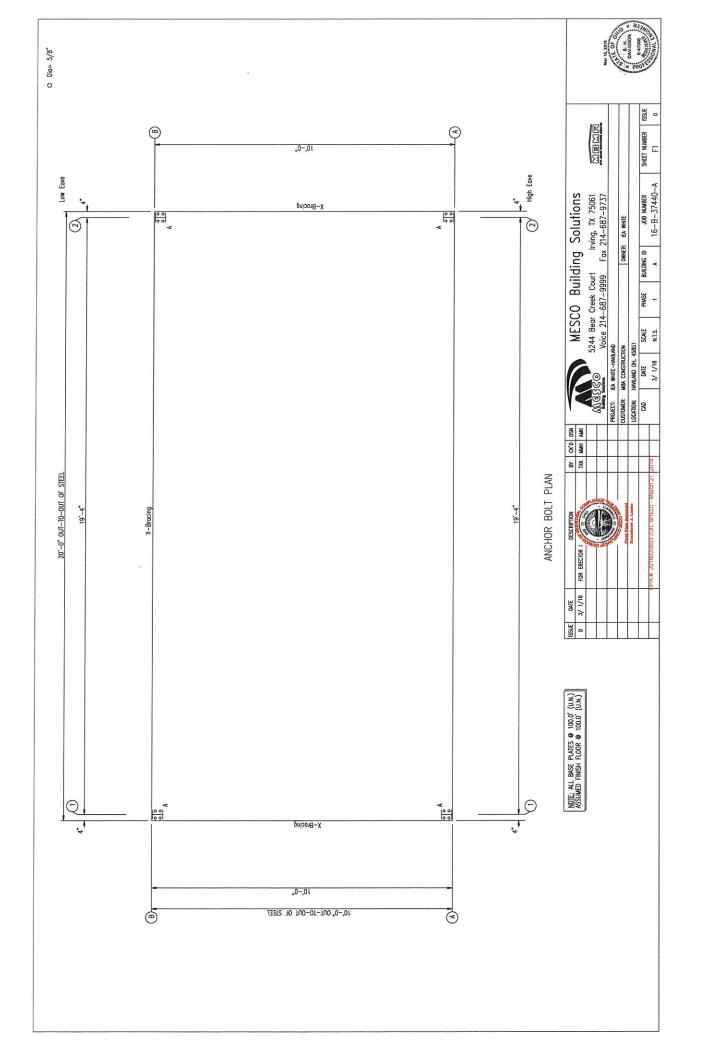
1/2" A325 BOLT GRIP

WASHER REQUIRED ONLY WHEN SPECIFIED.
WASHER MAY BE LOCATED UNDER HEAD
OF BOLT, UNDER NUT, OR AT BOTH AT
CONTINUS NOTED ON ERECTION DRAWINGS.
ADD 5/32" FOR EACH WASHER TO MATERAL
THICKNESS TO DETERMINE GRIP.



13'-4"

		S S S S S S S S S S S S S S S S S S S	The State server				SHEET NUM	5
Calitian	MESCO building solutions	Irving, TX 75061	Fax 214-687-9737		OWNER: IEA WHITE		JOB NUMBER	16-B-37440-A
7:2	guing		Fg		OWNER		BUILDING ID	×
0.0	na Or	5244 Bear Creek Court	Voice 214-687-9999				PHASE	-
1		5244 Bear	Voice 214	ONA	NOI	5851	SCALE	N.T.S.
		000	Solutions	PROJECT: IEA WHITE-HAVILAND	CUSTOMER: MBA CONSTRUCTION	HAVILAND OH, 45851	DATE	3/ 1/18
V		100	Sulfaing:	PROJECT:	CUSTOMER:	LOCATION:	CAD	1018
BY CK'D DSN	AMK			H3 13 mm			200	127,
CK'D	WH	- 16	ACR A				200	Marc
æ	2000				The Plan Approval	Examinen J. Laske		0603 (OIL SHED)
DESCRIPTION	FOR ERECTOR INSTALLATION							CPA# 201802
DATE	3/ 1/18							
SSUE								
88	0							



GENERAL NOTES		ALL	ENDWALL COLUMN:		BASIC COLUMN REACTIONS (k.)	AN REACTIC	ONS (k )								
1. HE ERCUTOR PRONDED RE BESTO ON HE ROPE CONDENTS AT THE THE OF MAINE, ANY CHANGES TO BAILDING LOADS OR DMENSIONS MAY CHANGE THE RECITORS. THE RECETORS HELL BE STRESSED AND WOODE OF ANY THORIE MAINE. 2. RECITORS ARE PROVIDED IS, UN-FACTORED FOR EASY LOAD	£3	3-3-8	Vert 0.5 0.5	Collot Vert 0.1	Vert 0.8 2.1	Snow Vert 0.4 2.6	Horz 1.0 0.0	Wend_Left1 Horz Vert 1.0 -2.7 0.0 -2.5	¥670.00.00.00.00.00.00.00.00.00.00.00.00.0	Wind_Right1 Horz Yert 0.0 1.6 1.7 -5.8	Wind Horz 1.1	Wind_Left2 Horz Vert 1.1 -1.3 0.0 -1.1	Horo 200	Wind_Right2 Horz Vert 0.0 3.0 1.6 -4.4	
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TACIOS COSTO IN TER TOWANTON RESEA.  3. FE. MANEACTIRER DOES NOT PRODICE "MAXIMUM. LOAD CHARACTIRER DOES NOT PRODICE" MAXIMUM. LOAD CHARACTIRER PROPRIED THE INDEPENTING THE MAXIMUM. LOAD RECTORS PRODUCED WHI SE LASED IT HE TOWANTON ENGINEER TO DETERMENT THE PRODUCED LOAD CHARACTIRE TOWANTON	퍝:-	S-3ª *	Horz 0.0 0.0	Vert 1.0											
4. THE BILLING MANUFUTRERS IS RESPONSIBLE FOR THE TESTAN OF THE ARRIVAN BOLT DWARTER WITH TO FRAIL THE RICHARD OF TRATES BITTERS IN THE SECK PAUTE AND THE RESPONSIBLE, THE MASHING AND LIMITEDIANT, BUT IS NOT THE MASHING BUT LIMITEDIANT OF THE RANCHE	E.a.	8- <u>5</u> -8	Vert 0.5 0.2	Vert 0.1	Vert 0.8	Snow Vert 2.6 0.4	Wind_L Horz 0.0	Wind_Left1 Horz Vert 1.7 ~5.8 0.0 1.6	Horz 1.0	Wind_Right1 Horz Vert 0.0 -2.5 1.0 -2.7	Wind. Horz 1.6 0.0	d_Left2 z Vert -4.4 3.0	Wind 1.1	Wind_Right2 Horz Vert 0.0 -1.1 1.1 -1.3	
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S. BOTTOM OF ALL BASE PLATES ARE AT THE SAME ELEVATION. (UMLESS NOTED)	ENDW	ALL	ENDWALL COLUMN:		ANCHOR BOLTS & BASE PLATES	IS & BASE	PLATES		L						
6. ANCHOR RODS ARE ASTA F1554 GRADE 36 MATERIAL UNLESS NOTED OTHERWISE.	Ę.ŝ	Pi.85	Anc. Bolt Oty Dia	Digt	Base_Plate (in) Width Length	Tick	Grout (in)								
ING REACTIONS  Reactions in plane of wa	22	00 * * 00	4444	4 0.625 4 0.625 4 0.625 4 0.625	6.000 8.000 6.000 8.000 6.000 8.000 6.000 8.000	I	2223	ı							
Loc Line Line Horz Vert Horz Vert Wind Seis	NOTE	S FO	NOTES FOR REACTIONS	NOI				L	7						
BA Torsiono	BULDS TE FO	G REAC	BUILDING REACTIONS ARE BASED ON THE FOLLOWING BUILDING DATA:	BASED ON DATA:											
2 4 8 5 7 1 8	EAVE H	EEB	WIDTH (FT) LENGTH (FT) EAVE HEIGHT (FT) ROOF SLOPE (rise/12)		= 10 = 20 = 12.5 / 13.3	2									
*See RF reactions table for vertical and horizontal reactions in plane of the rigid frame.	COLAT	SEE SE	(See		= 2.700	12 idio									
BOLT SUMMARY	FRAME LIVE LOAD ( ROOF SNOW LOAD MIN ROOF SNOW LOAD GROUND SNOW LOAD WIND SPEED (MPH)	FRAME LINE LOW ROOF SNOW LOW MIN ROOF SNOW GROUND SNOW	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	କ୍ଲ-	= 12 12 (PER CODE) = 20.0 (PER DESIGN) = 20.0000	CODE)									
O 16 Endwall 5/8" F1554 2.00	WIND C	ODE NOPEN	CNIM		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
	SEISMIC NOMINA SERVICI	ANCE -	MPORTANCE – SEISMC SEISMC ZONE NOMINAL WIND SPEED(VOND) SERVICEABILITY WIND SPEED	98	= 1.00 = 89 MPH (IBC SECTION 1609.3.1) = 76 MPH	C SECTION	1609.3.1)								
	REACTIO	REACTION KEY:						_							
	ONA	Left/Ric	h 2 = 2	500	WIND Left/Right 1 = (with +GCpi Internal Pressure) WIND Left/Right 2 = (with -GCbi Internal Pressure)										

MESCO Building Solutions 4 Bear Creek Court Irving, TX 75061 ce 214-687-9999 Fox 214-687-9737   OWNER IS WHITE OME   PHYSE   BALDING ID   JOB NAMER	40-A
	16-B-37440-A
Building reek Court Irr 87–9999 Fax 3   ownere	4
MESCO Buildii  5244 Beor Creek Court  Valce 214–687–9999  August  Insura	-
	N.T.S.
HITE-HAVI	3/ 1/18
ANGES GG Baldong Southern PROJECT: IEA WY CUSTOMER: MBA. CE LOCATION: HAVILA	
TXK MMH AMK	
PP XZ	2018
	(OIL SHED) - March 27,
FOR ERECTOR I	.PA# 2018020603 (OIL SHE
SSAE DATE FOR ERECTOR 1 OF THE PARTY OF THE	CPA# 2018020603 (OIL SHE

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

FEET OF CONTINUOUS PANEL\*
FEET OF CONTINUOUS PANEL\*
FEET OF CONTINUOUS PANEL\*
FEET OF CONTINUOUS PANEL\*

MIN. FSW REQ'D. — F MIN. BSW REQ'D. — F MIN. LEW REQ'D. — F MIN. REW REQ'D. — F

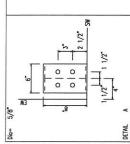
MINIMUM WALL LENGTHS FOR USE OF PANEL SHEAR BRACING SYSTEM Panel diophrogen action is utilized to resist seismic and/or wind forces applied promote to the servicion. Will strettly make the confinuous forme eoes struct force orgie to base support in order to be considered effective. The effective angle to base support in order to be considered effective. The effective angle of supporting the effective organization of considering included openings and height to wight rotics of panel segments. Additional openings not inflorded should be ovoided without prior consultation with the metal building manufacturer.

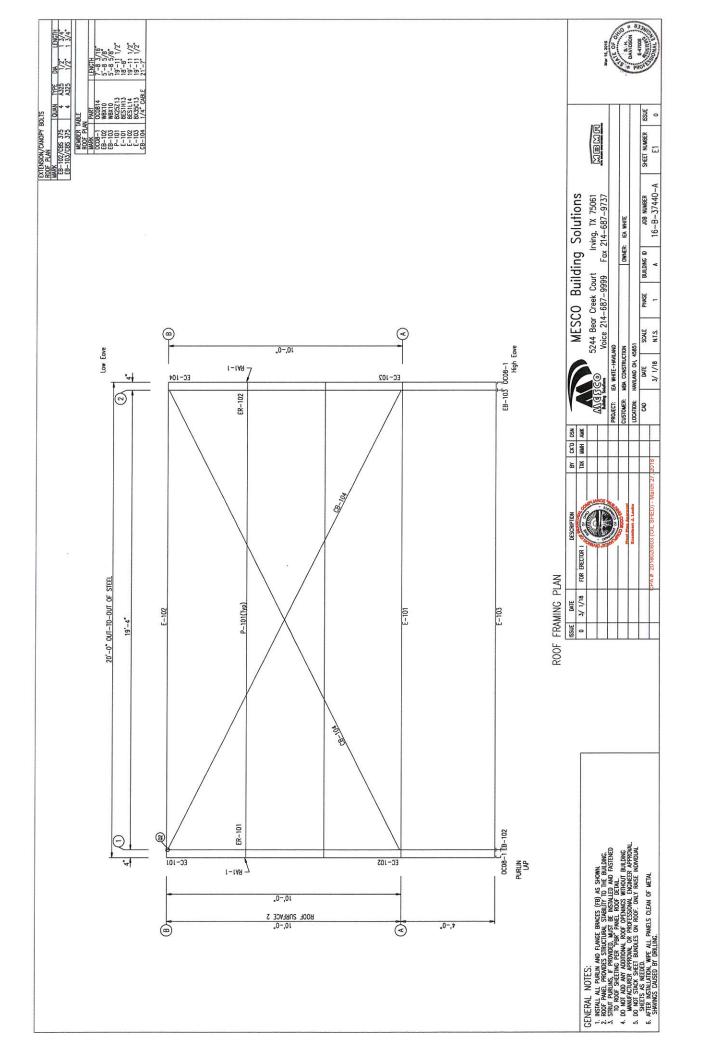


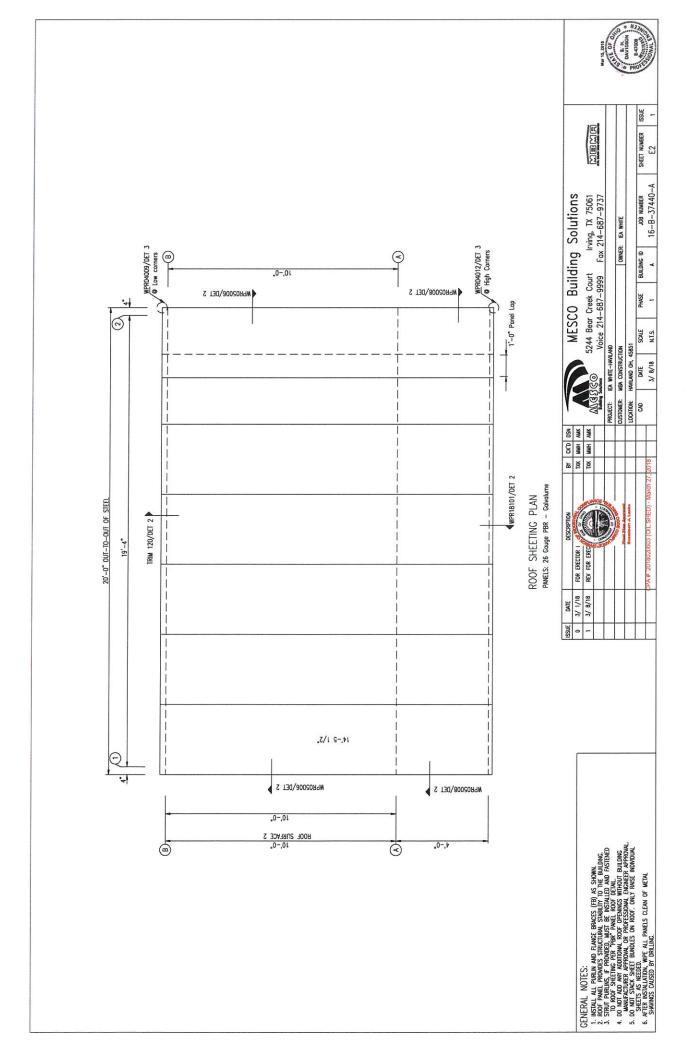
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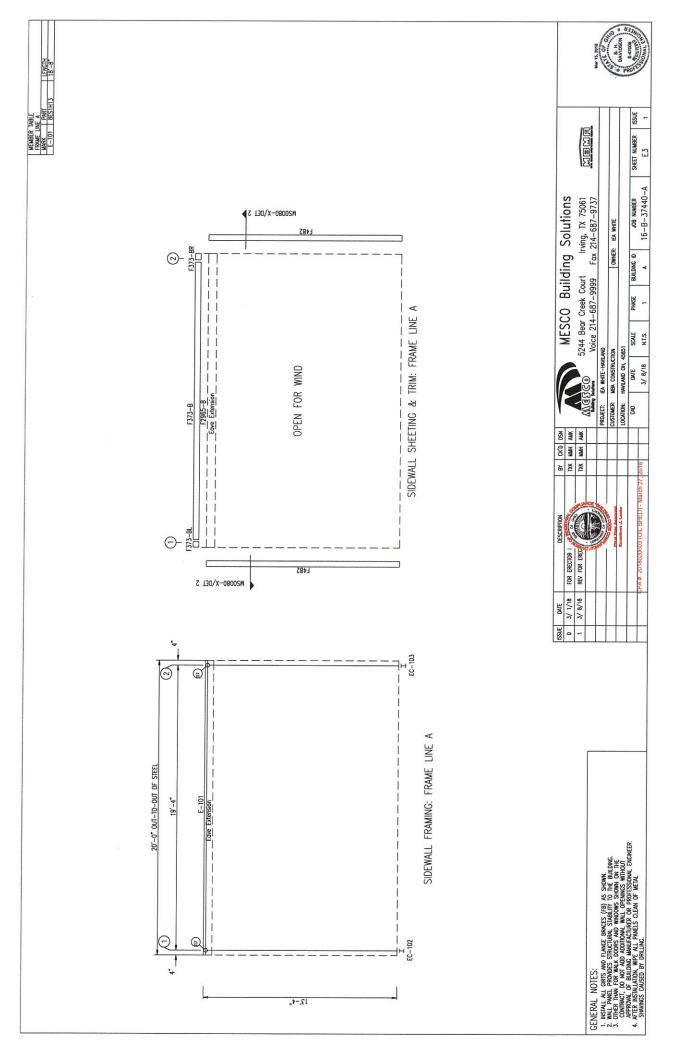


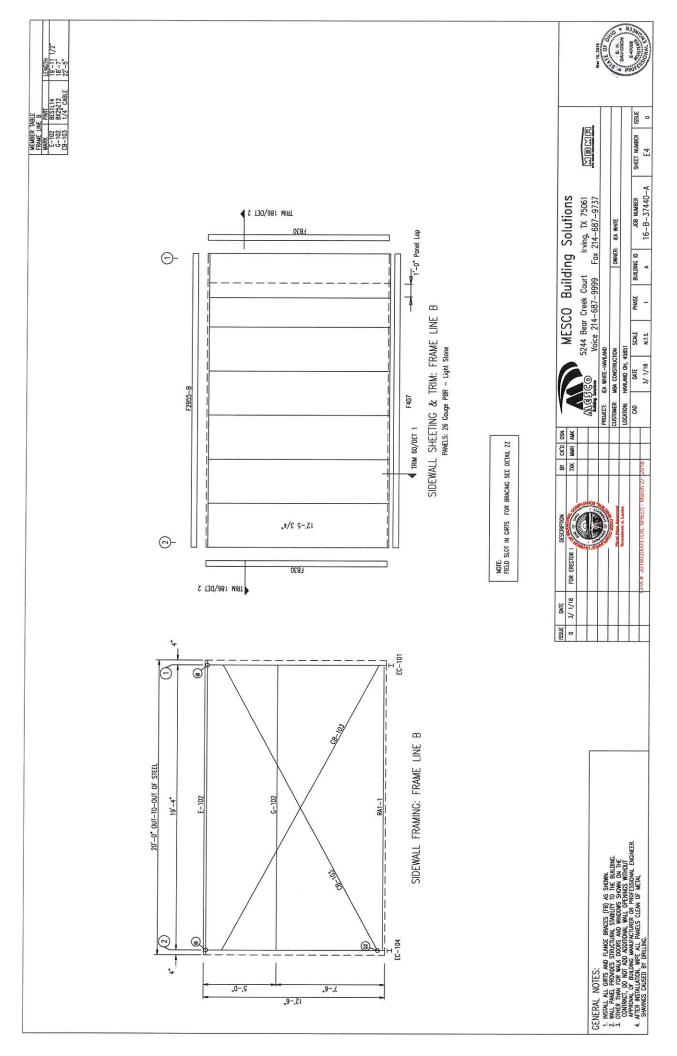
		ac	-1	1	1		F	
			SM SM				SHEET NUMBER	C
MECON Duilding Coluition	Solulloris	Irving, TX 75061	Voice 214-687-9999 Fax 214-687-9737		OWNER: IEA WHITE		JOB NUMBER	1 0 27440 A
20:10:	Sum		5		OWNER		BUILDING ID	
00		5244 Bear Creek Court	4-687-99				PHASE	
MEG	MES	5244 Bea	Voice 21	LAND	NOIL	15851	SCALE	4
			lone	IEA WHITE-HAVILAND	3A CONSTRUC	HAVILAND OH, 45851	DATE	2/ 1/10
V		00000	Building Solutions	PROJECT: IEA	CUSTOMER: MBA CONSTRUCTION	LOCATION: HA	3	
	AMK							
DSN								Γ
CK,D DSN	HWH							L
BY CK'D DSN	TXK							7,2018
DESCRIPTION BY CK'D DSN	FOR ERECTOR   CONTRACTOR   TXK MAMH		8 / 2 A A A A A A A A A A A A A A A A A A	000	Panel Plant Approprie	Examiner J. Lasko		PA # 2018020603 (OIL SHED) - March 27, 2018
	80000		0.30	1000	TO COOK CAT.	Examiner J. Lasko		CPA # 2018020603 (OIL SHED) - March 27, 2018

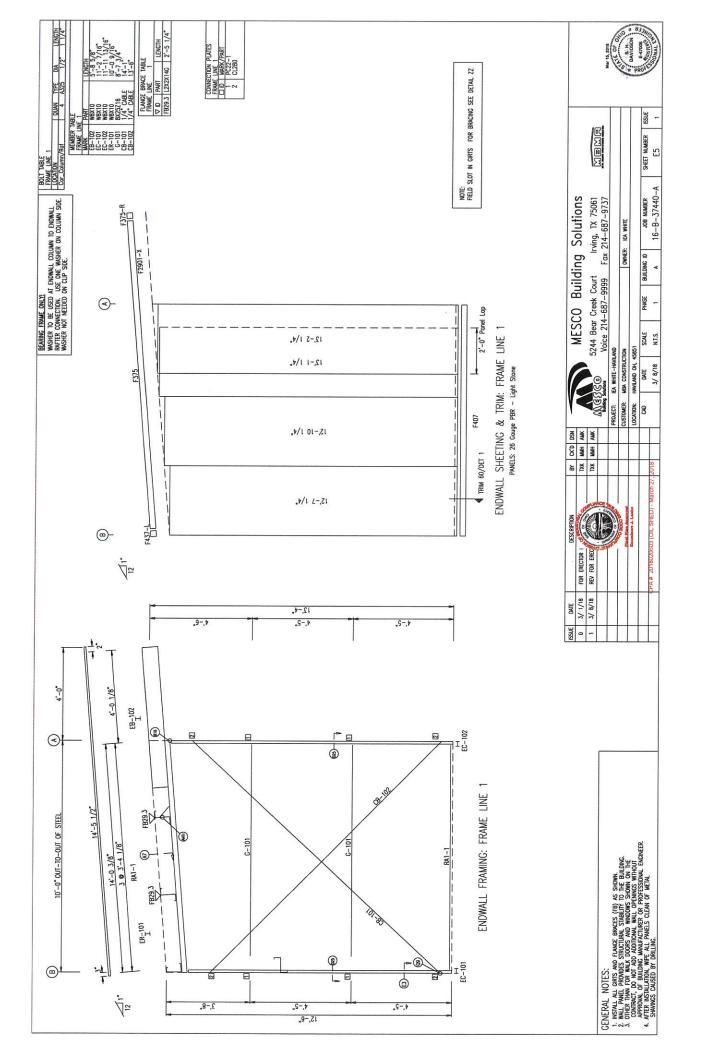


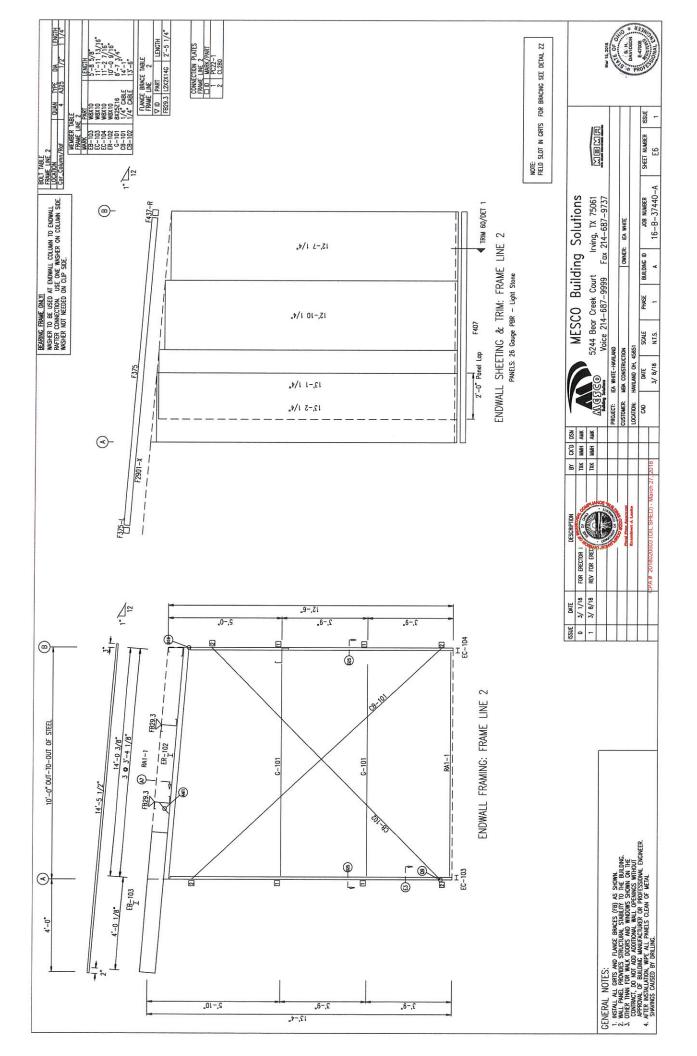


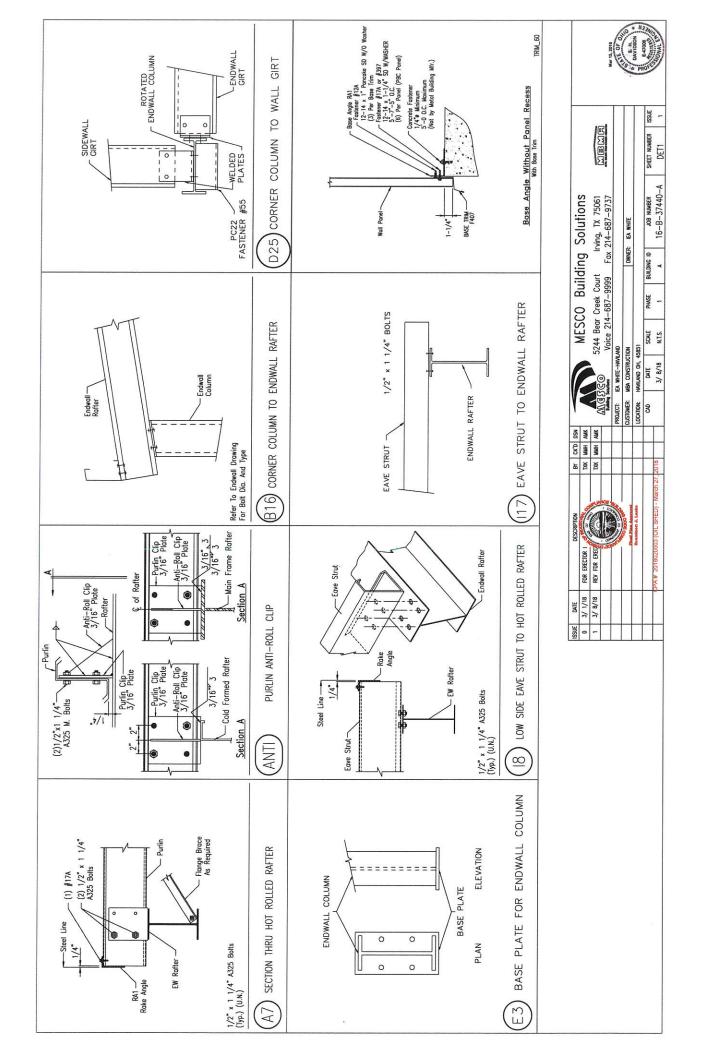


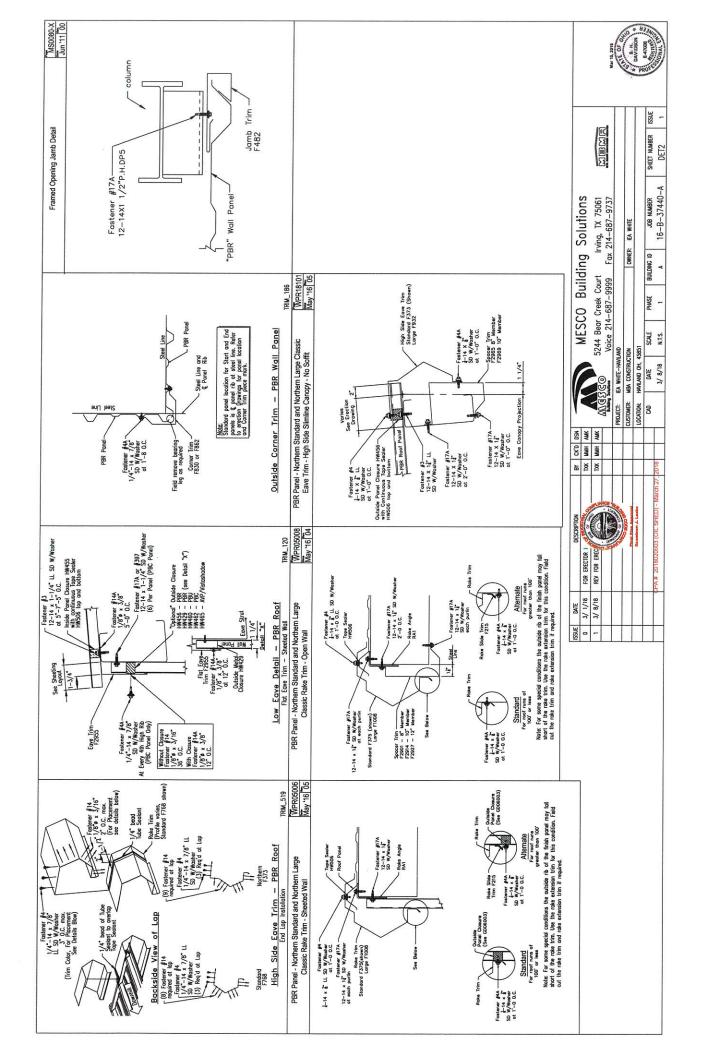


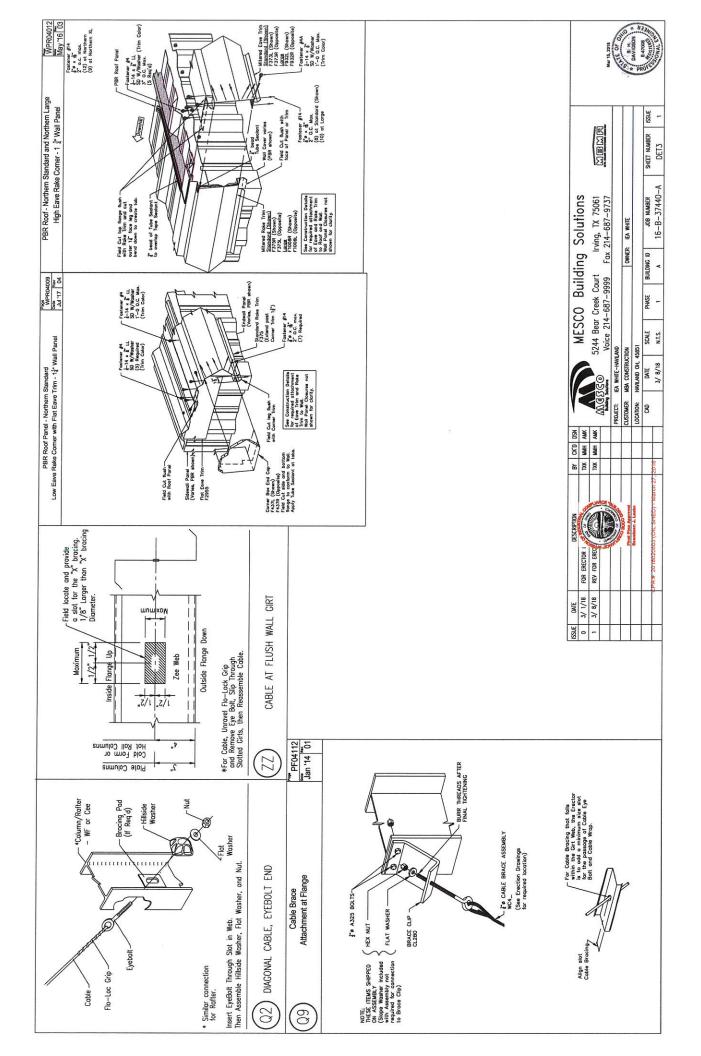


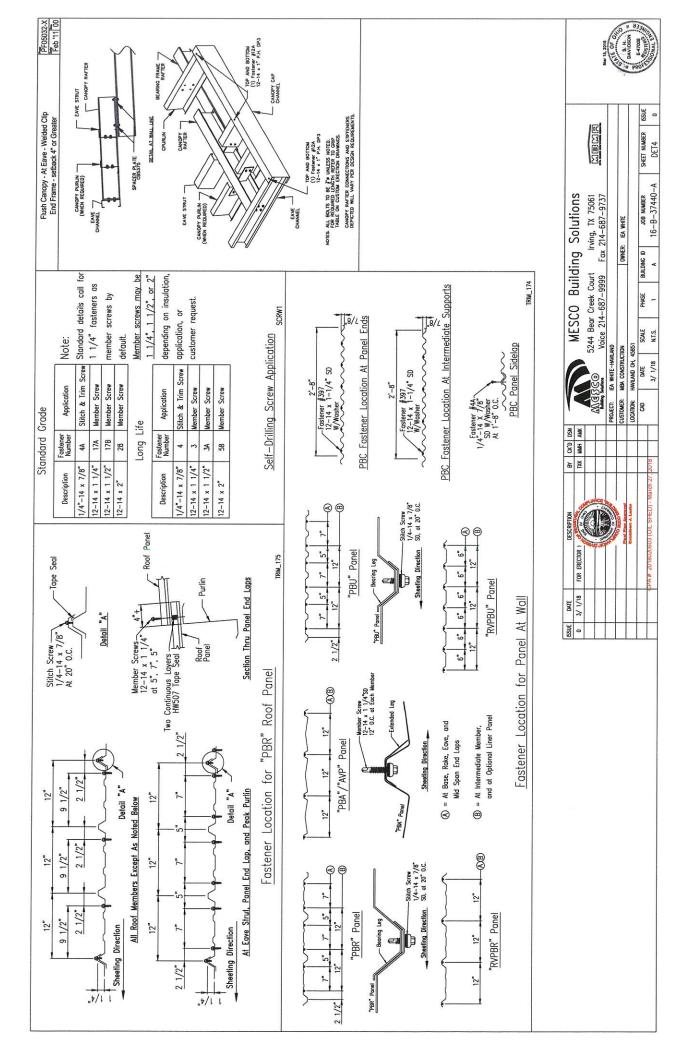














## Ohio Department of Commerce Division of Industrial Compliance

John R. Kasich Governor

Jacqueline T. Williams Director

Geoffrey D. Eaton Chief Bureau of Building Code Compliance

### **Certificate of Final Plan**

			<u> </u>
Plan Number:	Property Address:		County:
2018320134	11874 SR 144		PAULDING
	HAVILAND OH 45851		
Date of Approval:	Type of Project:	Governing Buil	ding Code:
03/26/2018		OPC 2017	
Duilding / Business Name	Department of the Brainst		
Building / Business Name: NWOWF O AND M BLDG	Description of the Project: PLUMBING		
INVOVI O AND IN BEBO	LOWBING		
Property Owner:	Submitter:	Design Profess	ional:
STARWOOD ENERGY GROUP	MONTH AND	STORY SERVICE AND STREET OF THE SERVICE	
GLOBAL LLC	BRIAN MARTIN	CLAYTON CLE	
ALEX DABERKO	33126 MAGNOLIA CIR Suite 200	801 TRAVIS Sui	
5 GREENWICH OFFICE PARK	MAGNOLIA TX 77354-1629	HOUSTON TX 7	7022
Floor 2ND			
GREENWICH CT 06831			
Approved Scope of Project:	Authorized No. of Inspections:	Use Occupancy B S-1	Groups:
Plumbing	99	Construction T	ype:
		Number of Stor	ies:
		1	
		Building Occup	ant 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 Occupa	ncy:	Building Official Signature:
Final Structural Approval:	Date:	Sannow Llines
Final Electrical Approval:	Date:	Ohio Department of Commerce
Final Plumbing Approval:	Date:	Division of Industrial Compliance 6606 Tussing Road, PO Box 4009 Reynoldsburg, OH 43068-9009 U.S.A.
Final Fire Approval:	Date:	(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	
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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				

PLUMBING CODES AND STANDARDS	All plumbing materials, installation, testing, cleaning, supported in strict accordance with the below listed applicable codes in Accessonies.	JEF VALVE.	$\neg$	7	2015 International Fuel Code						T	T	T	I							7	and the state of t	2015 International Fire Code 2012 International Energy Conservation Code	PI LIMBING GENERAL NOTES	PLUMBING CONNECTIONS	CW HW SAN VENT STM A. Dravings are diagrammatic confirm dimensions and locati	3 2	B. Confractor shall field venty size, location, and condition of	4	made avere of this condition immediately.  C. All plumbing plping, equipment, and indure installations sh	1 1/4" — T Master Plumber.	D. Guarantee labor and materials for 1-year. Warranties beging the brightness of the installation.	1/2 1/2 Z Z	34 34 3 5	777 – – – Invarient menancial and plant and prints and prints and sinks. Insulation kits shall be equal to Timb protective skirt under fatures is provided, insulation of prints	H 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Advices.  K. Peruma are crowded and not all obstacles are indicated. A peruma are crowded and when not all obstacles are indicated.  Offsets, as required, and when not indicated an dawnings.	127 2. L. Properly seal all penetrations of floors, exterior walls, and r
	ELEMENT VOLT PH	208 V 1						MA		208 ^ 1	208 7	206 V	208 V	208 V 1	208 ^	200 /			208 ^	200						ES							ALCET, THERMOSTATIC MIXING VALVE, MCGUINE STOPS AND P-TRAP	ALCET, HOSE & HOSE BRACKET, SILICONE SEALANT, WALL GUARDS		AUCET (15 GPM AENATOR), STRABIER, MCGGRE STOPS AND P-TRAP	œ	
	NO. OF ELEMENTS V	5		1						e.	2	es .	5	e.	n	N	s.	s.	N	y.						ACCESSORIES							IKING VALVE.	ACKET, SILICO		AL STRAINER	ALVE CARRIE	
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ER SC	-	_	-	-	4	4			_	_	-	-	-	_	_	_	_	_	_	_	-			SCHE			TRAP GUARC		TRAP GUARD		L		FAUCET,	FAUCET.	INLINE VO	FAUCET	(0.5 GPF)	
<b>LEATE</b>	TANK ENTER SIZE WATER (GAL) TEMP.		$\perp$	-	4	+			-	_				-		**	-	-	-	-	$\downarrow$			URE !			TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL
WATER	TAN SIZ MODEL # (GA	SUBMITTAL 40	UBMITTAL				TOTAL INC.	UBMITTAL	_	<u>.</u>		1			-		-	-			1			PLUMBING FIXTURE SCHEDULE		MODEL #	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL
ELECTRIC WATER HEATER SCHEDULE	MANUFACTURER (OR APPROVED EQUAL)		0				2	90																PLUMB	MANUFACTURER	(OR APPROVED EQUAL)	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL	BY SUBMITTAL
	DESCRIPTION	49 GALLON (STANDARD UPNIGHT) COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	HEATER	HEALER	HEATER	HEATER	COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	COMMERCIAL LIGHT DUTY ELECTRIC WATER	40 GALLON (STANDARD UPRICHT)	48 GALLON (STANDARD UPNIGHT) COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	48 GALLON (STANDARD UPRICHT) COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	49 GALLON (STANDARD UPRIGHT) COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER	HEATER							LOOR CLEANOUT, ROUND, ADJUSTABLE NICKLE BRONZE TOP	DUCO CAST IRON BODY FLOOR DRAIN WITH FLASHING COLLAR AND 5' NICKEL BRONZE ROUND ADJUSTABLE STRAINER HEAD	EXTERIOR CLEANDUT, UNEINISHED AREA, ROUND CAST IRON TOP - TRACTOR COVER AND VANDAL, PROOF CENTER SECURING SCREW, HEAVY TRAFFIC LOAD	EMERGENCY SAFETY STATION WITH EYE/FACE WASH, STAINLESS STEEL BOWL	NO.	WALL MOUNTED WIREOUS CHINA BASIN LAVATORY, BARRIER FREE GLAA APPROVED, LHOULES AT #* CENTERSET. FRONT DVERFLOW, GRID STRAINER, PROVIDE TRUEBRO INSULATION AND GARRIER	ONE PIECE, PRECAST TERRAZZO MOP SINK DROP FRONT AND STARLESS STEEL CAPS ON ALL CURBS	REPROBRATOR QUILET BOX - WHITE POWDER COATED 20 SOLUCE WALL BOX CW CONNECTION ONLY. IN TURN BALL WALVE SOLUCE TO EACH FIRE STOR	CHARLAMBRIC DOUBLE COMPARTIRIT OF CENTERED REAR BRAIN LOCATION 3 HOESE ON 4 CENTERS OVERALL SIZE 33 TE THE WAY STORE TYPE AN A GAME OF SHALLESS STEEL BACK EDGE, SARIN FINISHED RIM AND BONL, FALLY UNDERGONTED TO BEDGE CONDENSATION AND RESONANCE, CRUME CUP.	HIGH EFFICIENCY DIRINAL TOP SPUD WALL HUNG WITH MANUAL EUSH VALVE, VITREGUS CHINA, WASHDOWN FLUSH ACTION, EXTRIDGED SIDES FOR PRIVACY, JAT TOP SPUD, A DA MOUNTING HEIGHT.	HIGH EFFICIENCY FLOOR MOUNTED JADA HEIGHT, HIGH
	ГОСАПОН	UTILITY ROOM								DIRLIT ROOM	15	UTILITY ROOM	5	UTILITY ROOM	OILLIT ROOM	200			and a second								DUCO CAST IRON BC AND 5" NICKEL BRON	FLOOR CLEANOUT, R	DUCO CAST IRON BC AND 5" NICKEL BRON.	EXTERIOR CLEANOUT, UNFINS • TRACTOR COVER AND VANDA SCREW, HEAVY TRAFFIC LOAD	EMERGENCY SAFETY STEEL BOWL	BRONZE NICKEL PLA WITH 34" HOSE CON BREAKER WITH VANI	WALL MOUNTED WITH FREE (ADA APPROVE CVERFLOW, ORID ST CARRIER	ONE PIECE, PRECAST TERRAZZO MOP S STARLESS STEEL CAPS ON ALL CURBS	GAUGE WALL BOX C STOP, LEAD FREE WA	SELF-RIMMING DOUB DRAIN LOCATION, 31- 121 LW W. 9" DEEP T LEDGE, SATIN FINISH REDUCE CONDENSA STRAINER.	HIGH EFFICIENCY UR FLUSH VALVE, VITRE EXTENDED SIDES FO HEIGHT	HIGH EFFICIENCY FL
	MARK	WHET								144	WE.1	NIE1	WEI	WIF1	MALI											MARK	3750	47FC0	05.3	4.000	EW-1	<u>+</u>	3	MS-1	RF-1	- % 	3	WC-1

IEA WHITE - HAVILAND O&M BUILDING

DATE 3-15-18
PROJECT

P100

KČI EXISTING NEW

PLUMBING SYMBOLS & ABBREVIATIONS

BELOW FINISHED FLOOR ABOVE FINISHED FLOOR CLEAN OUT TO GRADE FLOOR CLEAN OUT WALL CLEAN OUT NOT IN CONTRACT INVERT ELEVATION BOTTOM OF PIPE EXISTING DEMO'D 8.F.F. WCO FCO COTG N.I.C. nd materials for 1-year. Warminies begin upon Owner's accepta pletion of the installation. The installation obstitutions taken to specified materials, factures, equipment, or see decuments taken to specified materials, factures, equipment, or see decuments taken to submitted to the owner, Architect, and periot to purchase and installation.

It for explore, duit piping and by-bass for all handlesp accessible to include the spall grant to "transfer or other artists". When for future is provided, Installation of piping is required. When the opposition of the provided installation of piping is required to the handless of demonst the in draw mine the counter pounds sinks, the opposition and artists of the pipe of the pipe of the minest decumentation and artists of the distribution of the pipe of pipe of the pipe of pipe of the pipe of pipe o

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TOTALED FOR THE DESCRIPTION OF THE OFFICK VALVE MANIMUM TEMPERATURE OF 200 DECREES FLOATENTE - 0.5.
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MARK BP-1 TMV-1

PLUMBING ACCESSORY SCHEDULE

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Examiner L. Begoon and an entined of teacher materials and methods are the basis of design of produce manifesturers, materials and methods are the basis of design plan and are moreofet exclude has a standard could, have represent the production of the production of equal present methods. Where substituted or alternative or equalment to equal present of the production of the production of an entire production of the producti

POINT OF DEMOLITION BUTTERFLY VALVE M GLOBE VALVE A CHECK VALVE M GATE VALVE BALL VALVE DOMESTIC HOT WATER RECIRC LINE ABBREVIATIONS
CW DOMESTIC COLD WATER LINE DOMESTIC HOT WATER LINE GREASE WASTE DRAIN LINE LIQUID PROPANE GAS LINE OVER FLOW DRAIN LINE COMPRESSED AIR LINE SANITARY DRAIN LINE I END OF LINE CLEANOUT POINT OF CONNECTION SANITARY VENT LINE GREASE VENT LINE STORM DRAIN LINE VENT THRU ROOF HOSE BIB G- PIPE DOWN M FCO/COTG END CAP O PIPE UP NEW SYMBOLS VTR LE. HB HWR M SAN GW S S (E) (E) (E) (E) (E) GENERAL NOTES

(INTERPRETATION OF THE STATE OF THE STATE

UNLESS NOTED OTHERWISE, WATER AND VENT PIPING SHOWN ON PLANS ABOVE THE CEILING AND SANITARY DRAIN PIPING IS BELOW THE FLOOR PLUMBING MATERIAL SCHEDULE KEYED NOTES

RISER DESIGNATION

SERVICE PIPE	MATERIALS
DOMESTIC WATER PIPING	ASTM BAS TYPE 1. COPPER or ASTM F876 PEX PIPING
DOMESTIC WATER PIPING BELOW SLAB)	ASTM B88 TYPE "K" COPPER - JOINT FREE
SANITARY WASTE PIPING	ASTM D1785 SCHEDULE 40 PVC V/I DMV FITTINGS CONFORMING WITH D1785 AND D2665
SANITARY VENT PIPING	ASTM D1785 SCHEDULE 40 PVC VV DWV FITTINGS CONFORMING WITH D1785 AND D2665
PROPANE GAS PIPING	ASTM ASS BLACK STEEL W/ BLACK 150LB MALLEABLE IRON FITTINGS. PIPING 2" AND LARGER SHALL BE WELDED.
COMPRESSED AIR	ASTM A53 BLACK STEEL W/ BLACK 150LB MALLEABLE IRON FITTINGS, PIPING 2" AND LARGER SHALL BE WELDED.

Fittines and compay by medicinement of the American with Cababilities Act, Public Law (1973) and and some State of Trana Civil Statutes Action 7 (1918). We are and went State of Trana Civil Statutes Action 7 (1918). We were said of statis.

Fittin controlled shall be not note that Action 9 for some form and read of statis.

Unreal times shall not exceed 17 above finished flost; flant homeles shall be no more time of a floor floor.

The proposal lost when and claim pipes shall be configured to protect against contact and Livandous shall be mellinum? T ford to back and shall allow mellinum 2T flood to back and shall allow mellinum 2T high time e Greater and and see all bear of This.

AASII stepling procedures; The maximum procedures are a procedures are a maximum four form active or layoung the active or faunces or of 50 pc; 
minimum flow from a schooler of 60 pc; 
minimum flow from a schooler food shall be 2,75 gront at a pressure of 90 pc; 
minimum resultmen or water por floath from a urinal and associated flush valve and floot 
veceed 55 gallors.

Firstuces shall be contified to meet the water saving performance standards of Texas Civil Stantes Societion 372,022 and shall be bloaded with the lists as complemy with the water sesticitive of AASI or the following (when tested per

# PLUMBING SPECIFICATIONS

TION 22 00 00 PLUMBING COMMON WORK REQUIREMENTS

A. Locake equipment, equipment controls and other devices, which must be serviced.

Saction and control of the serviced of the A. General countries automatists for equipment and materials specified in this section.

2. The Contracted shall not profession and profession and countries to the Contract of the Contract o

lant control daily has been beinging Specifications. Unitain 2.4 neue to averymment between the flashed manner of the specification of the specific copy, of product data for supported not less than six (6) band copies, so one (1) digital copy, of product data for equipment and materials, specified in the "Submittals," and "Quality Assurance" articles in remaining Division 22 Societion.

The voint, as well with breath set is definited any possible insertience before any procurated, explorated explorated and procured and procured and any E. Where multiple inmer devices, respirated, devices, propriet cented, as supporting metal, such E. Where multiple inmer designment, devices, propriet cented, as propriet cented, and any progress, paid boxes, custles, devices of centred are shown on my of the Centred. Pocuments of the vinious facilities of the control of the control of the devices of the control of the control of the control of the control of the metal forms in pulping and devices required to the control of the which is deviced and any control of the control of the metal of their larges or all strates, while a definited cost to the Owert. Screen, clearly defining between information that applies to this project and information that the Cases not apply. The Cases has been assessed to the cases not apply the cases and cases are cases and cases are cases and cases are cases. The provide not because its manifest of the cases and cases are cases and cases and cases are cases. The cases are cases and cases are cases are cases are cases are cases and cases are cases. The cases are cases. The cases are cases.

1.3 REMOVAL AND RELOCATION OF EXISTING EQUIPMENT in Contract and Contracts and the negociate in removal, studies, procedure, relocation and mediate Contractors and the responsible for removal, studies, the previous procedure and the supportable for capital services for define and existing exclined which is the terminant by the supportable for capital services for define and excellent services. Because mechanical contractions and the temperature of the installing Tinde Contractors, A composite referation crow shall be used including mechanics skilled in their vaccious trades.

1.1.1 CONTINUITY OF SERVICES
A Notify building prevenmen in variing four (4) days before an Owner approved work
interruption date.
B. No wast compensation shall be permitted due to "overtime" hours impliet in the
above requirements.

Egippiese;

D. Sumple sharmabic:

O. Sumple

siplescentry patrick.

Z. OUALITY patrick.

A. Reference Sametas-September equirements of standards and specifications.

A. Reference of Division 22 sestions space to the Ward.

C. Year Allow comply with company of the Company and codes, a special for feed as Stan and Ministry codes and requirement, and shall be subject to proposal and approval of

authorition avaning jurisdicin to parely materials, equipment or method or insulation that may be in confident with materials, equipment or method or insulation that may be in confident with reloads of confident state, because the different materials or insulations. When these codes, standards or policies, Verlea or seed of confident materials or method then respected the Confident beath and only the Engineer in witing and shall provide the proper materials and perform the work, without additional compensation, to comply with these codes, after review by the Engineer.

DELIVERY, STORAGE AND HANDLING
 Deliver materials to project sits in unopened containers bearing manufacturer's name

and content identification.

3. Store materials as recommended by the manufacturer.

and the control of th

1.4 PROJECT CONDITIONS
A Coordination: Coordinate this work with the work of other sections to avoid any delay or interference with other work.

1.5 MATERIALS AND EQUIPMENT
A. Mistria and equipment shall be new, conform to grade, quality and standards
specified freein. Type, capacity and application shall be suitable and capable of
astilistication operation for the purpose formed. We makenist with the immighted for a suitable of a suitab

1.15 CLEANING
A. Coordinate and cooperate with Other Trades for cleaning and removal of trash and debris from the project on a poinded; basis as as directed by the Engineer, Remove trash and debris in areas open to the public on a daily basis.

14. E. EXMANIATION.

L. Examera areas in wisch work is to be porformed. Report to the Contractor all prevailing condition in any will will asteroid for that statisfactory excellent or work. Do not proceed with work wall warmstandered conditioners have been concreted.

B. Starting work considers are exceptioned for a contraction of the contraction of the

encountered by westigate structure and finish conditions affecting the vork and arrange cost acquired exceeding frooting such miss. as may be required to meet such to Dr. Chindran 22 work in missiled before coordinating dwn Chen Trades, necessary On Thoriston The work required to connect the condition shall be at the responsible Division 22 Contractor's suppress.

1.16 SYSTEM START-UP A. After completion of treating in accordance with remaining Division 22 sections, start acch system and make final adjustments for proper flow, temperature and quietness of operation.

1,1.7 OCEANTIC MESTICATION.

\*\*Request at 4the form the Openit rating with a copy to the Engineer, when the instruction principle and administration and the openit rating with a copy to the Engineer and instruction principle and federation and instruction and the Common strength of the Common stre

1.18 PROJECT CLOSCOLD and Authority and Auth 1.7 PROTECTION OF SYSTEMS DURING DEMOLITION AND CONSTRUCTION A Local sensitivity and constitution of the construction of the constitution period.

1. Repeat of the constitution of the constitution of the constitution of the constitution period.

1. Repeat of the constitution period.

1. Security of the constitution period.

1.1GENERAL REQUIREMENTS FOR VALVES

The Pumping offeet page 1.2d of 1.1d offeet page 1.1d o

1.3 Vol.CHR (RSFALL/SEX).

A heatst allows with unders of flatges at each piece of equipment arranged to allow sovere manninearines, and equipment adversary and undersary account and and a content a content a content a content and a content a con 1.10 BUILDING AND SITE SERVICES
A Contact utily companies and local authorities to arrange for required sewer, water and
gas services.

22.05 48 VIBRATION ISOLATION Inline circulating pump; suspend or support with rubber or spring isolators.

2.08 ft 7 LURIBING COLON CHAIRS IDENTRICATION
Experiment permanent bleel (circuit, metal ago en enganeed plastic) with unit tag or name
and sero a special served, a special served, a special served, special served, between the original served page of served page manages every 20 feet, learnify services. Row direction, and pressure, inchall in clear view medial print, that and pressure inchall in clear view medial print, that are originated and approach and approach pressure.

Asker tags (natar lipsowiteen letter size list in anostered aluminum, or plastic barrianted.

22.07 19 PIPHO INSULATION Spand less than 35 and smake developed less than 50 as Ad insulation must have interest and ULZ73. and ULZ73. and ULZ74. For paying the ACS file (I. PEP-ACS, and ULZ73. and all pipe hangues to pipes 15° or largue. For pipe Provide patients at handles and an interest and the pipes. The pipe act of the pipes in provide high-density throughout (Column States) practice at hangues.

Domestic cold water in exterior walls, attics above building insulation, or other areas subject to freezing – 1" fiberglass.

Domostic hat water – For pipe sizes 1½° or less, provide 1″ fiberglass insulation with all-service pizefact. 1½° and there is rowide 17° fiberglass insulation with all-service jacket 1° ECC 2015 – Table C4022.10 Minimum Fipe Insulation Thickness)

Insulate all exposed drain and water supply piping beneath handicap accessible sinks v closed cell insulating kit as manufactured by Truobio' or equal by 'McGuire.' Floor drains receiving condensate from HVAC units or ice machines shall be insulated with 1" fiberglass a minimum of 5-feet downstream of drain.

2.2 to the UnutBlack PIPING Communic Index and Index and In Treatment and Index Act of the State of the State

In addition, the below tube piping system may be used -

1.2 BALL VALVES

\*\* Bonze Ball Valves, the piece with full port, bruze or stainless steel tim, theaded or scalence Cot page CVPP attent, chrome place brass ball, TPTE seats, Shall corrept with NSS SPT. \*\* Manufactures, Apollo, KRz, Nibco, Mikracker, Vietts, or equal

Provide dielectric isolation device (dielectric union or coupling) where copper lines connect to ferrous lines or equipment.

Support piping every 10-0" or less for 1" and larger pipe size; every 6-0" for ½" or smaller piping. When installing non-insulated copper pipe, use coppor hangers or tape at contact piping.

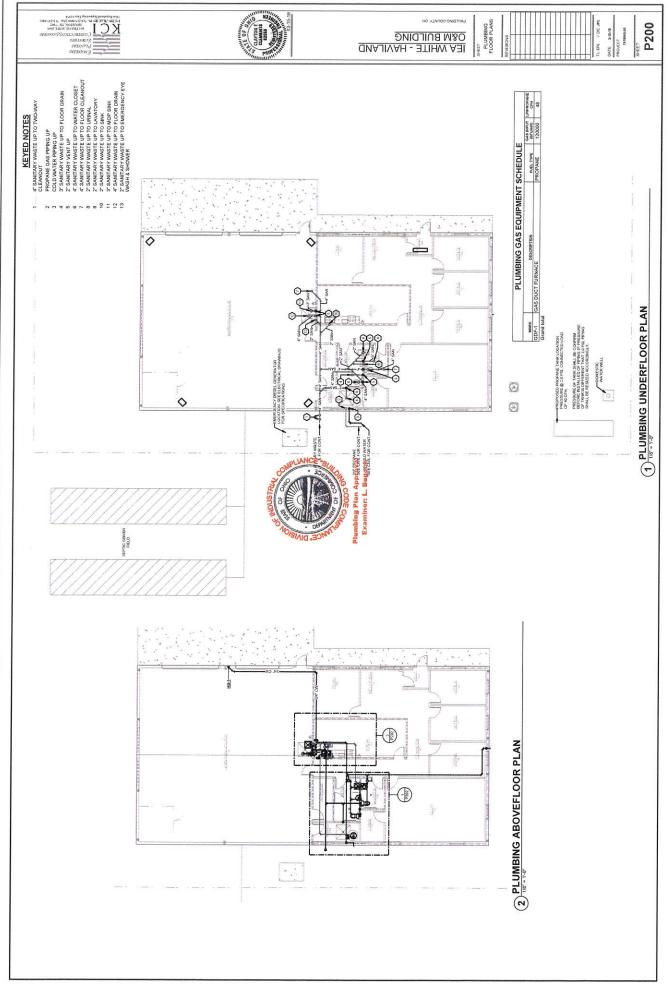
All piping penetrations through floors shall be sealed with UL listed firestop. 22.40 00 PLUMBING FIXTURES Refor to plumbing construction drawings for 'Plumbing Fixture Schedulo.'

Make connections between dissimilar piping materials with adaptors manufactured for the applicable type of transition.

Waste and vent.— Drainage piping slab shall be Schedule 40 PVC with DWV fittings and clamps.

Tosting: upon completion of construction, all domestic water piping shall be theroughly flushed and sterilized. Submit Certificates of Testing for Engineer review.

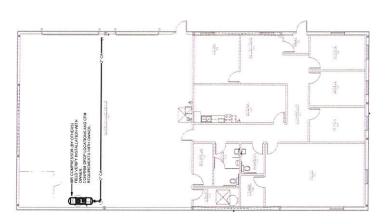
C:DMS/Revil\_Projects/7918040,004MEP-R18\_Lauren.Collins.rvf Aufhor arts2018 6:26:67 PM



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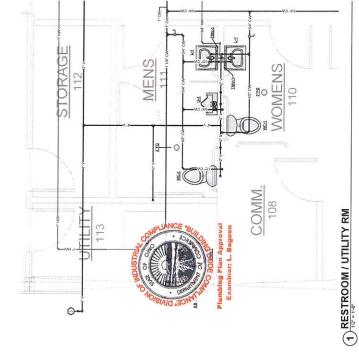
1 PLUMBING COMPRESSED AIR PLAN

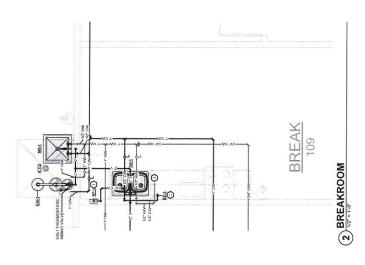
IEA WHITE - HAVILAND O&M BUILDING

SHEET PLUMBING ENLARGED PLANS

Constitution Educated Fund 1847 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 14527 - 401 | 1452

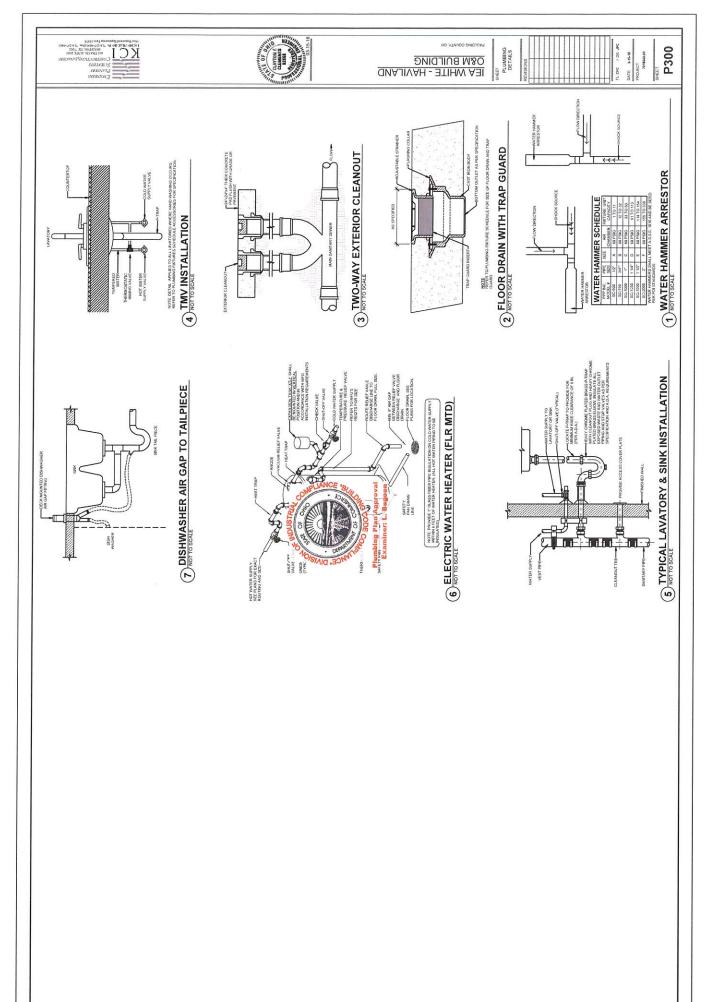
KEYED NOTES
PROVIDE IT COLO MATER COMMECTION TO
REFROERATOR WALE BOX.
PROVIDE IT COLO WATER TOWN
MATER THINN BUILTOFF VALVE AND DOBBIE
CHEEK WANCE BEIND WATER WATER
MARTER HISTORY RELIAN SERVEN
MANTERHANE AND TESTING, VERFY LOCATION
WITH ARCHITECTURAL PLANS.
WITH ARCHITECTURAL PLANS.
DEROWDER THON BUILTOFF VALVET
OD DISHWARTER THON BY THOSE FROM BELOW
11 COLD WATER TO TO ABOVE ROOF LINE
PER COLD.

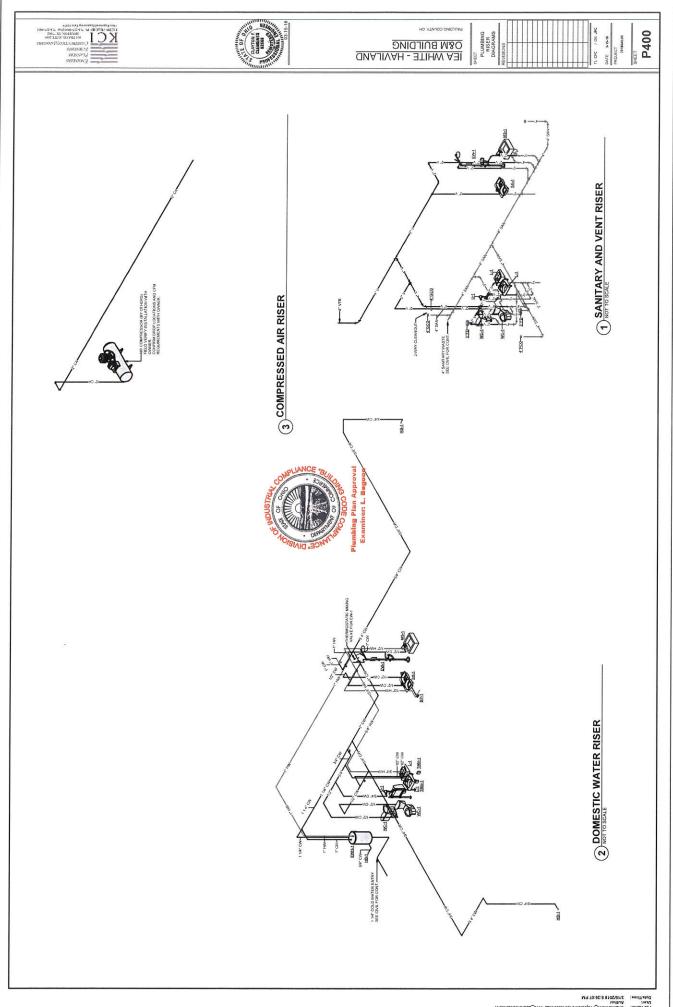




TL CFC / DE JPC
DATE 3:15:18
PROJECT
77:1904.00

P202







Final Electrical Approval:

Final Plumbing Approval:

Final Fire Approval:

### **Ohio Department of Commerce Division of Industrial Compliance**

John R. Kasich Governor

Jacqueline T. Williams Director

Geoffrey D. Eaton Chief Building Official

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

### Certificate of Partial Plan Approval 1

Plan Number:	Property Address:		County:
2018020527	11874 SR 144 HAVILAND OH 45851		PAULDING
Date of Approval: 03/21/2018	Type of Project: Alteration	Governing Build OBC 2017	ding Code:
Building / Business Name: NWOWF O&M BUILDING	Description of the Project: This is just for the footings and foundat building will be submit	ions plan review a	nd approval, full
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 Profession TOD HENNING 1225 N LOOP W HOUSTON TX 7	Suite 800
Approved Scope of Project:  General Building Trade	Authorized No. of Inspections:	Use Occupancy B S-1 Construction Ty Type V B	
		Number of Stori 1 Building Occupa 50	
The list of required inspections is specified in requesting applicable inspections accordingly until the work is completed. Failure to meet the adjudication order. The building/structure shat issued before the building/structure can be lepermits. In order to schedule an inspection, can and 2:30 pm.	r. This certificate shall remain posted in a consese requirements may result in the refusal of pass final inspection and a State of Ohio Congally occupied. The owner is responsible for	nspicuous and safe f service and/or the ertificate of Use and obtaining all local zo	place on the job site issuance of an Cocupancy shall be oning and sewage
Structural / Electrical / Plumbing 1-800-822-3208	State Fire Marshal	1-800-	r Inquiries 523-3581
8:15 am to 2:30 pm	614-728-5460	8:00 am	to 5:00 pm
State Inspector's Signature for Occupa	ancy: Bu	uilding Official Si	gnature:
Final Structural Approval:	Date:	and the second	Plan.

Date: \_\_\_\_\_



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.



### Department of Commerce

2018020527 03/21/2018

Page #2

Division of Industrial Compliance

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

- 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



# Department of Commerce, Division of Industrial Compliance, Bureau of Building Code Compliance, State of Ohio

Electronic Fia	Electronic Flan Approval Sheet	
CPA Number:	2018020527	Building Use Group
Approval Type:	Final 🗸 Partial No. 1	Construction Type:

Date:
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County:

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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.

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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 to
--	--

Ohio Building Code, Chapter 29, minimum plumbing requirements. Please contact the Bureau of Building Code Compliance, Plumbing Section or Local Health Departmen	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.
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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.
--	---	--

Fire alarm	
Sprinkler	ooctore.
Interior Finish	special pot set of leiners
V Building Shell	proval conditions and/or
Slab	■ Plan ar
<ul> <li>For Partial plan approval, indicate the approval includes: <a href="#"></a></li></ul>	<ul> <li>Effective February 1, 2009 the permit fees baid with this application will include the</li> </ul>

following maximum number of inspections per scope of work:	following maximum number of inspections per scope of work:	<ul> <li>Plan approval conditions and/or special notes to the inspectors:</li> </ul>
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 chara	A re-inspection fee of \$100 will be charged for each additional inspection requested	



### 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 <b>Bu</b>	work: ilding General	Total num	ber of inspections allo	wed:	6
#	Inspected Item	Date	Inspector signature	Inspection 1	esults
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 W	Mechanical	Total num	ber of inspections allo	wed:	6
#	Inspected Item	Date	Inspector signature	Inspection 1	esults
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 W	Electrical	Total num	nber of inspections allo	owed:	6
#	Inspected Item	Date	Inspector signature	Inspection r	esults
1					
2					
3					
4					
5	*				
6					
7					
8					
9					
10					
11					
12					

# PROJECT INFORMATION

CODE COMPLIANCE

LEGAL DESCRIPTION
BULDING SPA
OAM BULDING OFF

BUILDING CODE ANALYSIS - O&M BUILDING

PROJECT DESCRIPTOR.

B. ZIONES, CTYPET VID. 1 LIMITATIONS: 1,000 S.F. I STORIES)

HE AGES, L'ATTET VID. 1 LIMITATIONS: 1,000 S.F. I STORIES GROUP B COCUPANICY PROFESSIONAL, THANSACTIONS AND STORAGE OF RECORDS AND ACCOUNTS.

F-1: 2-494 S.F. (TYPE VG - LIMITATIONS: 6.500 S.F.: 1 STORIES) THE AREA LABELED AS SHOP VILL SERVE AS A MODERATE-1 TOCL SPARTS USED FOR WIND TURBINES.

OCCUPANCY CALCULATIONS PER TABLE 1004.11.1BG FRST FLOOR B: 2, SOUTHOWAYS FL2, 244,110 = 25 CCCUPANTS TOTAL OCCUPANTS = 25 + 25 = 50 TOTAL OCCUPANTS

CONSTRUCTION TYPE TYPE VB - NON-SPRINKLERED

ALLOWABLE AREA THEN SECTIONS 302.3.1 THE TOTAL AREA IS BOOS,F.) IS LESS THAN THE ALLOWABLE TYPE GF. 18,500 S.F.) AND THEREFORE CHALIFIES FOR NOW-SPERATED USE.

NOTE, ALL OTHER APPLICABLE CODE REQUIREMENTS ARE ADDRESSED IN THE PLAN AND ARE APPLIED, INCLUDING, BUT NOT LIMITED TO, CHAPTER 8. TYPES OF CONSTRUCTION CHAPTER 8. THES OF GERESS, ETC.

<u>DISCLAMER</u> ALL OCCUPANCY/USE DESCRETION IS BASED ON INFORMATION LLC. IS NOT RESPONSIBLE FOR NAY FALSIFIED INFORMATION

MEANS OF EGRESS

GRESS WIDTH CALCULATIONS; BC 1005.1 DIHER EGRESS COMPONENTS WIDTH; SO OCCUPANTS x, 2 NICHES = 10" REQUIRED; so" AIN PROVIDED

PER IBC 1005.5 MULTIPLE MEANS OF EGRESS SHALL BE SIZED SUCH THAT THE LOSS. THE AVAILABLE CAPACITY TO LESS THAT 50 PERCENT OF THE REGUIRED CAPACITY

COMMON PATH OF EGRESS TRAVEL; IBC 1014.3 COMMON TRAVEL PATH DOES NOT EXCEED 75 IN B. F-1, OCCUPANCY AREAS

RANEL DISTANCE IMITATIONS; BIC 1016.7 EXITS SHALL BE LOCATED ON EACH STORY SUCH THAT THE MAXIMUM LENGTH OF EXIT ACCE FRANEL LABSCHARD FORM THE MOST THEAD TO EXPON THIMBITA STORY TO THE PERTENANCE TO MAST ALCOHOT THE MATURAL, AND MOSESTHOCED PATH OF GEREES THEME, SHALL NOT EXCEED THE DISTANCES GREAN THALE SHOET.

TRAVEL DISTANCES DOES NOT EXCEED 260' IN B. F-1 OCCUPANCY AREAS

MANIER AND CONTRAITY OF EXISS BIC 1071 E. IMMAIN NAMIGE OF ESTIS, ALL HOUNS AND SPACES WITHER EACH STORY SHALL BE REPORTED WITH AND MAYE ACCESS TO THE MANIALMA HAMBER OF APPROVED BADFROATERT EXISS DASID ON THE COCUPANT LOAD OF STORY.

REQUIRED FIRE RATING (MITHOUT SPRINKLER) CORRIDOR FIRE-RESISTANCE RATING: IFC TABLE 1018.1

KODRWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGE WHERE MORE THAN ONE EXIT OR EXIT ACCESS DEAD ENDS IN COHRIDORS MORE THAN 20 FEET

OWNER PROVIDED DRINKING WATER SUPPLY - BOTTLED WATER COOLER, ETC. WILL BE PROVIDED IN LIEU OF HI-LOW DRINKING FOUNTAIN Bt. 1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80. F: 1 per 100 occupants. B: 1 per 25 occupants for 1st 50, 1 per 50 for the remulnder F: 1 per 100 occupants 
 PLUMBING FIXTURE CALCULATIONS -50 OCCUPANTS (25:8 / 25:F)

 BXX10 E SQUIEG
 BEADERS

 WHER GLOSTS
 2

 PLOT SQUIEGE
 1 PL 1 PC 55 contains in 14:80.1 per 2019 summar



CPA # 2016020527 - March 21, 2018 BUILDING SHELL ONLY - SEE ADDENDUM

## **IEA WHITE**

PAULDING CO, OHIO HAVILAND - O&M

2118 LAMAR 51., 51E. 200 HOUSTON, TEXAS 77003 (713) 842 - 7500

КАҮВИКИ DONALSON

GENERAL NOTES

INBTALLATION OF ALL WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CALL FOR LOCAL INSPECTIONS AND FROM CITY INSPECTORS, MATERIAL TESTENG BY THRO PARTY AND PAID FOR BY DWIFE.

ORS ARE REQUIRED TO CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS

LIMITE TO BRAZING, SHORNE OF LOANS DUC TO CONSTRUCTION EQUIPACHT, DIGANATION PROTECTION, SCAFFOLDING, JOB SITE SAFETY ETC, ORSERVATION VISITS TO THE SITE BY THE ARCHITECT, OWNER, OR ENGINEER SAML HOT INCLUDE INSPECTION OF ABOVE IFRAS. BASIS OF SHOP DRAWINGS, WITHOUT WRITTEN AUTHORIZATION BY THE ARCHITECT. THE ARCHITECT ASSUMES NO LIABILITY AS THE RESUL CONTRACTOR AND SUBCONTRACTORS SHALL NOT USE REPRODUCTIONS OF THE CONTRACT DOCUMENTS AS SHOP DRAWINGS, OR THE

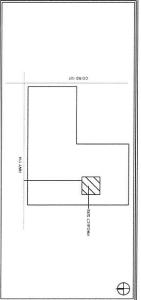
THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURS RECESSANY TO PROTECT THE STRUCTURE AND PERSONNEL DURING CONSTRUCTION SUCH MEASURES SHALL INCLUCE BUT NOT BE WORK WIL BE PROPERLY COORDINATED, ANY DISPUTE RESULTING FROM MON-COORDINATION OF SPACE RECURRENDITS SHALL BIT SETTLED BY THE CONTRACTOR AT NO ACCITIONAL, COST TO THE OWNER ARD WITHOUT RECARD TO MHOSE MATERIAL WAS INSTALLE

ме и региональный конструкции и може мыц. советити коспутамствот тые сомпястее тыл яы совпетова мес сой всет мет быть конструкции, може мыц. советити коспутамство тыте сомпястее тыл яы совпетова, мет пот гот всет мет всетителения в тыте пот петем петем

CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PRIOR TO BEGINNING CONSTRUCTION AND NOTIFY A

OF THE USE OF REPRODUCTIONS OF THE CONTRACT DOCUMENTS FOR SHOP DRAWINGS.

DOINT SOLD ENAMINGS, SOLDE NOTED ON THE DOMORPHIC AND A TO A DESCRIPANT THE CONTINUENTS SHALL BE RESPO THALL BE CRITARION OF THE RICHARD OF THE DOMARDON TO A DESCRIPANT AND EXCELLED TO THE CONTINUENTS AND EXABLEST TO



## CONTACT LIST

ARCHTECT:
MeTHODACTROCHE, LLC
ARCHTECT: JACKE DOING DSG
CONTACT: JACKE TO WIL
2115 LANAN ST, SUITE 200
HOUSTON, TEXAS 77033
TEL: (713) 842-7503

# **LIST OF DRAWINGS**

CONTRACTORS SHALL PROVIDE BACKING BEHING FINISH WALL AND CELLING SUFFACES FOR SHELVING, MIRRORS, PECBGARIDS, COUNTERS, TOLET PARTITIONS AND ACCESSORES ETC.

PRIOR TO COMMENCING ANY AFFECTED WORK,

AL PRODUCTS AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH SUBCONTRACTORS SHALL VISIT THE SITE AND INFORM CONTRACTOR OF

APPLY UNLESS NOTED OTHERWISE.

истьою огожетилистию, чте соитилистия замы, тякуюее ды мыхолеях вистехней то якогист тhe smarttime pansy, сомятистичных истоим видамета этом, в соитилистия вы цент бот выполных самонного подаже, бот осоятилистия сомятисти т.е. сомятилистия мита то тне атте и масчитст не поежется вымы могатилистия верестия от тне дожно, сомятисти т.е. сомятилистия мита то тне аттем.

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GENERAL NOTES, SHEET INDEX, AB SYMBOLS MECHANICAL FLORI PLAN NECHANICAL DETAES MECHANICAL CETAES MECHANICAL CHEBULES MECHANICAL CHEBULES

GENERAL NOTES. SHEET IN SYMBOLS PLUMBING FLOOR PLAN PLUMBING DETAILS PLUMBING SCHEDULES  NEA AL CRUCICA MICHAEL STRUCTURAL MEMBERS, BRACING, PPES, COMOUNTS, DUCTS, AND RETORED WALLS AND FROOT BECON WHER INVESTIGATIONS ENTRESS COMMITCHARE, AND ON ANA-COMMISSED, STRUCTURES AND COCKINE, EAST, FINE BULLINGS DESCRIPTIONS PREVIOUS ESTIMATES SCOURSE TO AND ON ANA-COMMISSED AND STRUCK SAND OF STRUCK AND COMMISSED AND STRUCK AND STRUCK

TRADES ASSOCIATED WITH SUCH UTILITIES. SITE SHALL BE BLUE-STAKED BEFORE START OF U.G, WORK,

TITLE SHEET IEA WHITE - HAVILAND

22. ALLOWWAL PARTITIONS ARE DIMESTED FALE OF FINSHWALT TO TAKE OF FROM WALLOWES OTHERWARD FORE).

23. ALLOWWAL PARTITIONS ARE DIMESTED FALE OF FINSHWALT TO TAKE OF FROM WILESSON OTHER OWNERS.

24. ALLOWED FOR PARTITIONS SHALL BE FAVE BED. EXTING 6.1.1.5. INSING WALESS OTHERWASE.

34. REFINED REPORTING SHALL BE RELOVED FROM MOLICE THE DAY DAKE VALKES, CONDERNATE DAY MOSTER ILCOAT

ARCHITECT DUES NOT RELIEVE SUBCONTRACTOR OF RESPONSIBILITY FOR CONFORMANCE WITH CONSTRUCTION DO

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	01-2	818	6

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MB184009

## ADAGO SECTION 216,6 - ENTRANCES Accessible entrances, when no all one accessible, should be identified by the International Symbol of Accessible Inaccessible entrances, should have directional Algings to Indicate being route to the natron accessible ordanco. Vinore both visual and facilite characters are required, either one sign with both free reparate signs, one with visual, and one with tacilite characters, shall be

# ACCESSIBLE ROUTE - EXTERIOR

ADAGG SECTION 403.5.1 - CLEAR WIDTH The clear width of walking surfaces shall be 36

SECTION 605.2 - URINALS (16)

ACCESSIBLE PARKING ADAGG SECTION 502.2 - VEHICLE, SPACES
Car parking spaces shall be 99" wide minimum a
marked to define the with, and shall have an an

ADAGG SECTION 216.2 & 216.3-BUILDING SIGNS;

Signs which designable permapari from a not spaces and other algons about functional spaces of the building shall compty, with all sections of all other algons which are temporary are not required to compty, and other algons which are temporary are not required to compty.)

# HANDRAILS AND GRAB BARS

ACCESSIBILITY STANDARDS (7)

AQAGG SECTION 5G2 s. IDENTRICATION
Parking the behavior of the property of the

ADAGG SECTION 2015.2.4 & 502.2. - VAN PARKING SPACES. For every size or traction of six passing seasons require at least one to 132 inches wide minimum, shall be marked to define him width

CH VIMENON S.C. WIM

## DOORS

SECTION 604.8.1.1 - TOILET STALLS

ALTERNATE STALL

ADAGG SECTION 494.27 - DODR AND GATE HARDWARE Finding, pall, blinks box, and other operable patts of dozen originate and posts shall costly with 305.4. Operable patts of dural hardware shall be X reminion and 4th maximum above the faint haz or proud, Whene shall, dozen at it in the fall, sport positions, operating hardware shall be opposed and usually from both sides.

ADAGG SECTION 444 2.8 - DOOR AND GATE OFFINING FORCE.
The medium force perfects to the confidence and delice necessary to fully open
force sweeder to executive the further of the door. It does not study to the force required to all
descripting other devices used to keep the door in a doesd position.

ENTRANCES

ADAGG SECTION abis 4 - LANDRIGS.

Animage swall be proposed at the force of the curt ramps. The landing does length swall be 36° melemen. The landing does from the cut of the cut of the cut of the landing does within swall be at loads as who as the cut of mmp, excluding flavor does, beauty by the landing. ADAGG SECTION 406 2 - COUNTER SI OPES Counter shores of adjoining putters and road sufficient surfaces at bransfers at level to adjacent surfaces at bransfers at level. CURB RAMPS

SIGNAGE

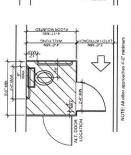
ADAGG SECTION 406.3 - SIDES OF CL Where provided, curb rame flares shall on

ADAGG SECTION 809.2.1.8.505.7.1. CIRCULAR CROSS SECTION Grab bars and handrall pdoping surfaces with circular cross sections si nifetiums and 2" maderum.

ACCESSIBILITY STANDARDS (1)

NOTE: Hot water and drain pipes shall be insulated or etherwise configured to protect against contact. Faucets shall cumply with ADAGG. S' MIN

SECTION 606 - LAVATORIES







STANDARD STALLS

TIE.Y s.Y WHI floor has been a bace a discontant of the contant of

HINGE SIDE APPROACH - SWINGING DOORS















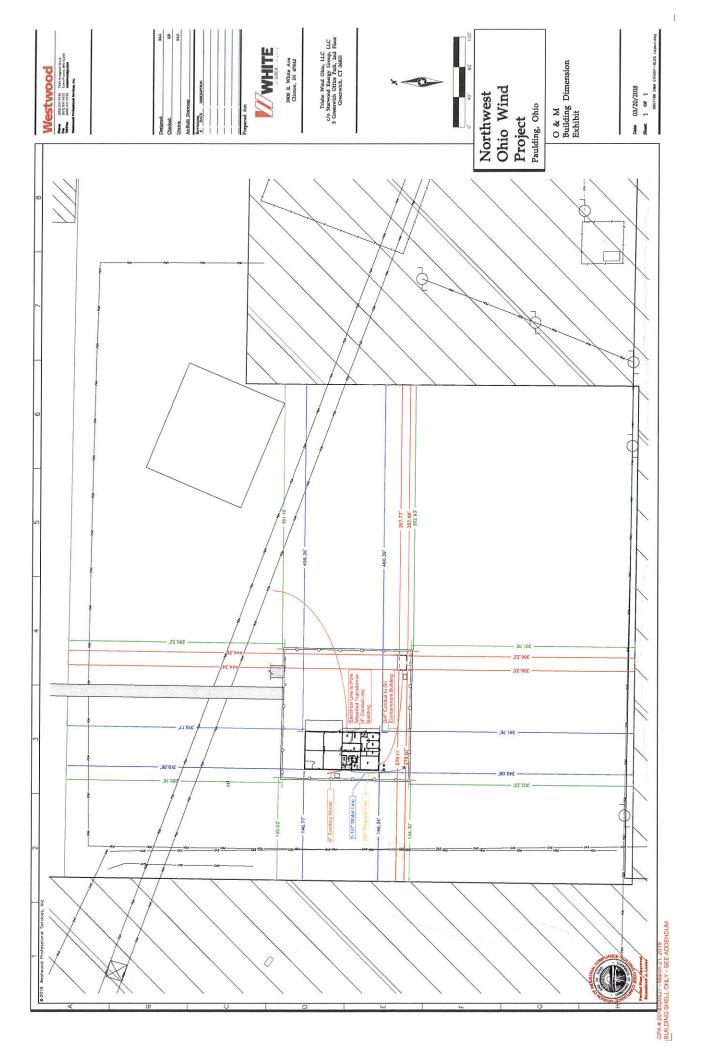
# CLEAR FLOOR SPACE

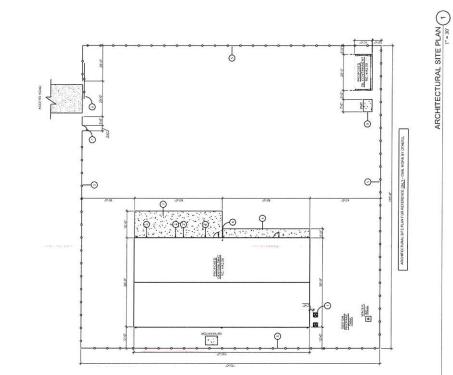
SECTION 604.3.1 - WATER CLOSETS (5) 318" = 1-0" (5) HEIGHT REQUIREMENTS

A0.01

SECTION 404 - DOORS (13)

CPA # 201 SERONT APPROACH - SWINGING DOORS
BUILDING SHELL ONLY - SEE ADDENDUM

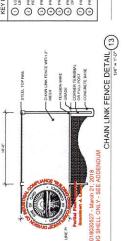


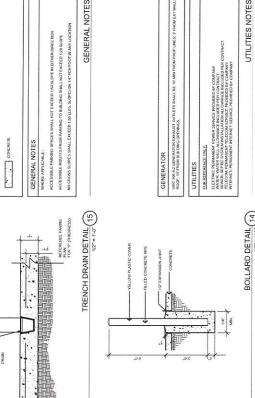


<u>-</u> KEY NOTES 9

UTILITIES NOTES (10)

LECUTED OF ANY 3-PRODUCE LIBERTOL AND AN EXCOMEDICADOL OF THE STATE OF THE STA

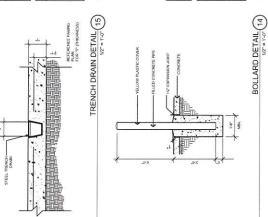




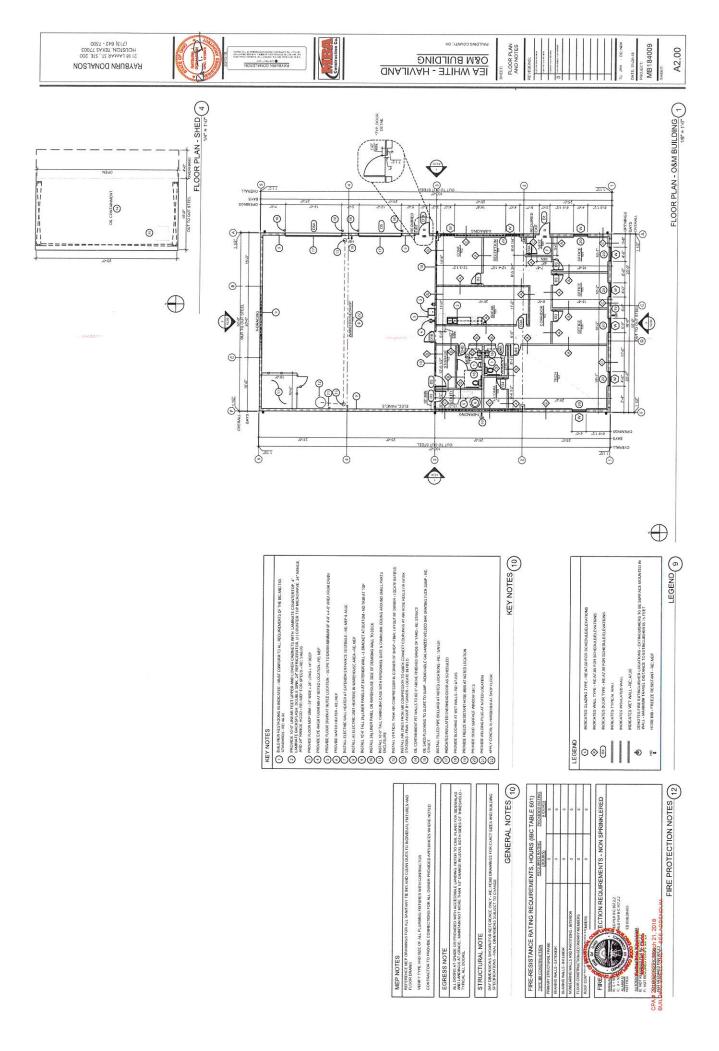
SEPTIC

GENERAL NOTES (11)

SYMBOL LEGEND







2118 LAMAR ST., STE. 200 HOUSTON, TEXAS 77003 0057 - 250 (EIT) RAYBURN DONALSON PAYBURN DONALDSON

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IEA WHITE - HAVILAND O&M BUILDING

МВ184009 A2.10

REFLECTED CEILING PLAN

RCP - STORAGE SHED (14)

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ACRYLIC PRISMATIC 2'X 4" LIGHT FIXTURE - LED INDIREC

ď [

ACRYLIC PRISMATIC 2" X 4" LIGHT FIXTURE REFLECTED CEILING PLAN LEGEND

EXTENSIÓN DE MINORIA EN SENTINO DE MINORIA D

LEGEND (10)

CELING PLANS MOICATE SUCCESTED OR PREFERRED SUSPENSION GRID LAY-DUTS. ALL CONTRACTORS TTO OF RESPONSION FOR CONSISTENCY OF STATEMENT SETWICH MICHARICAL, CLECTRICAL, PLUMIGNG ITCMS AND THEE SOFT OF WORK.

RCP GENERAL NOTES

EGRESS LIGHTING GENERAL NOTES

EGRESS LIGHTING GENERAL NOTES

PROPERTY FOR THE WALKING

ENT DOORS SWALL BE MANGED BY AN APPLOYED ENT SIGN READLY YISBLE FROM ANY DRECTION OF EGRESS WARGEL, RE-WITH OF CHESSES THANKED ENT SWALL HISBLE SWALLS BANKEL, CAT SIGN READLY VISIBLE CLEAT SIGN TO CLEANER YIGHLAST THE DRECTING OF CLEATS THANK. CLEAT SIGN FACURENTS SWALL BE SOATH THIN ON DUTNING THE ACCESS CORREDOR OR EVET PASSACTIVAY IS MORE THAN 10°F FROM THE MANES YIGHLE STIT SWAN.

EXIT SIGNAGE

GENERAL NOTES



ROOF PLAN - O&M BUILDING

PROJECT:
MB184009
SHEET:

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RAYBURN DONALSON 2118 LAMAR 51., 51E, 200 HOUSTON, TEXES 77003 0027-538 (ETT)

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COURSE DRAM WITH SPLASH BLOCH

LEGEND (10)

ROOF LEGEND

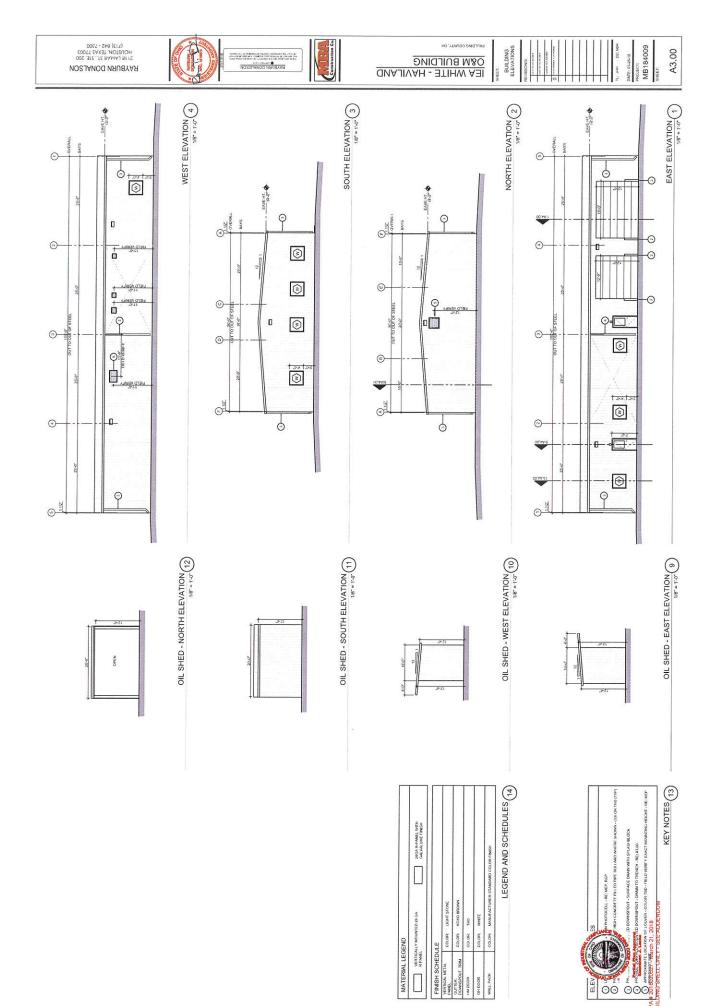
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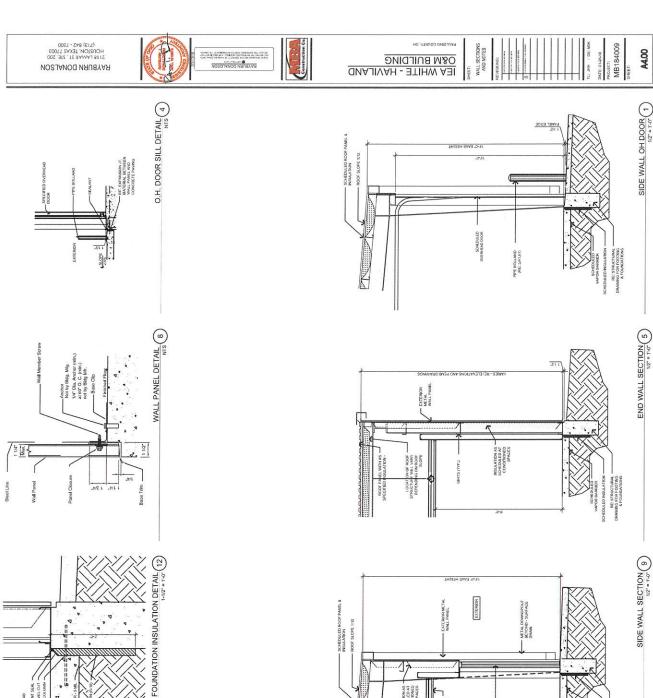
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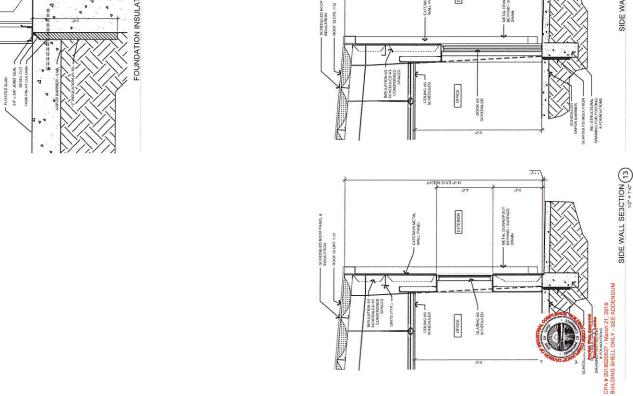
ROOF KEY NOTES

± T, ∞

ROOF NOTES









FRUNT

NOTE: THERE ARE NO DOORS AT SBNK CABINET





ELEVATION - MILLWORK - 109





ENLARGED RVR & DETAILS

MB184009

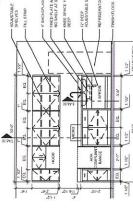
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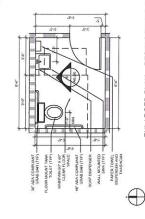
GENERAL NOTES NO SHELF AT SINK KNEE SPACE 19" DEEP GENERAL NOTES

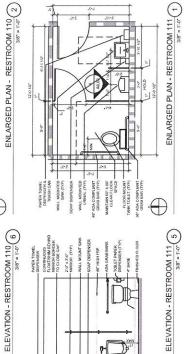
MANDAM SINN DEPTH-6 127, ALL FALCET HANDLES - LENER TYPE

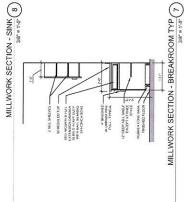
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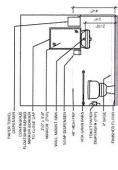
HOUNTING HELOIT

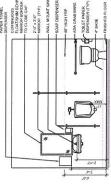


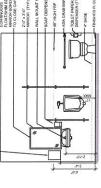


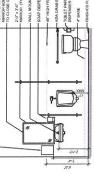




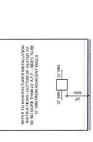












ELEVATION - VESTIBULE - WALL HEATER 38" = 1.0"

2118 LAMAR 51., STE. 200 HOUSTON, TEXAS 77003 (EIT) 842 - 7500 иоглаиод ияпахая









SHEET: DOOR/WINDOW SCHEDULES

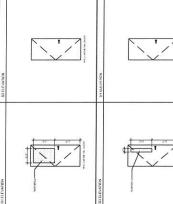
DOOR SCHEDULE

GLAZING ELEVATION (10)

DATE: 01-28-18
PROJECT:
MB184009
SHEET:

DOOR SCHEDULE (1) DORS AND HARDWARE SHALL COMMY WITH ALL SCOTIONS OF THE TAS PRESS DOORS SHALL BE REGULY OPENABLE FROM THE ECRESS SIDE WITHOUT THE USE OF A AL MYOWLEGGE PER BIG, SECTION 1998, I.B.

A7.00



McNew contractions	OT TO HOUSE BROCKTOCKE AND HALL HOUSEONS CONTINUES SHALL COMONY WITH THE SECRETARY AND A SHARK AND A CARGO BROCKTO, A CARGO B
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1   700001.001.001.001.001.001.001.001.001.0		-	CLOSER	
1   CONDECUS     1   STATES     1		1	PANCEST DEVICE AND LATCH	
1   1900/01/2		-	CYLINDERS	CYLINDER AND NEVENG PROVIDED BY CANNER.
1   100mm0.13     1   100mm0		-	STRICKES	
1   1900   190			FLUSHBOLTS	
1   WATCH GENERALD STATE OF THE PROPERTY OF		,	51065	
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1   MODITICI COL ROOM   1   1   1   1   1   1   1   1   1		1	PANAC DEVICE	
1   1980   1   1980			MORTISE CYLINDER	CYLINDER AND NEYING PROVIDED BY OWNER
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1   COONSIGNUE.    1   SABABARIL.    1   SABABARI		-	DAIL CAP	
1		1	DOOK SWEEP	
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1   1992    1   1904    1   1002    1   1004    1	HW-3			
1 1500- 11 1	киритоки	n	INGE	
1 (1002) 1 (1002) 1 (1002) 1 (1004)		-	90181	
1   1500   1   1500   1   1   1   1   1   1   1   1   1		1	1,000	CYLINDLE AND NEVING PHOVIDED BY OWNER
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			X001	CYLINDER AND KEYING PROVIDED BY OWNER
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- ^		,	1 STOP	
			DIOMBLATCH PHIVACY LOCK	
n n	HW-7			
			30404 4	
8	STRONGE	-	1,5700	
- «	176 901	ī	MICH PLATE	
3		1	CLOSEIK	
	HW-8			
	STALLS	3	HNGE	

	MARKED TOO		- China	
		2	1. STOP	
SIDE		,	DIGGREATCH PHIVACY LOCK	
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DRS AND ADJACENT GLASS	MA TAUSON PLESTHOOM	-	1,570P	
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SYSTEM TO BE DESIGNED FOR		-	CLOSEK	
	HW-6			
	PASSALE	e	HNGE	
			ande	
		- AT VESTIBULE C	* AT VESTBULE CONGITION: PROVIDE 1" UNDERCUT AT DOOR FOR AIR RE	R FOR AIR RE
( a line of				

OGAZINO SUBJECT TO HUMAN IMPACT LOADS AND IN ALL MAZARDOUS LOCAT SECTION 2406 (INCLUDING 2406.1, 24IRC2, & 2406.3), STOREFRONT GLASS DOC PANELS SHALL BE SAFETYIMPACT RESISTANT GLASS. ALL EXTENDR GLAZING TO BE DOUBLE PANED. TEMPERED. TINTED, LOW-E LATEST ADOPTED EDITION OF APPLICABLE BUILDING CODIES.

GLAZING SCHEDULE AND NOTES

COME SEA AND AND AND AND AND AND AND AND AND AN		
	ZONE SA:	HW-8
1	UFACTOR = 38 MAX	
	SHGC = PF < 0.2 = 0.40 MAX	PASSAGE
	WINDOW SYSTEM TO BE WAYL WINDOW SYSTEM	
GLAZING SCHEDULE(9)	GLAZING VENDOR TO FIELD VERIEY ALL MEASUREMENTS	
B	GLAZING SCHEDULE	] ] (
	And an extension of a first constitution of a first co	



2118 LAMAR 51., 51E, 200 HOUSTON, TEXAS 77003 (713) 842 - 7500 RAYBURN DONALSON



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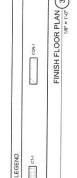
OH DOORS, PADS, AND EXTERIOR PERSONNEL ENTRANCE DOORS MUST BE IN G CLOSE TIGHTLY, BE NODENT PROOFED, AND SEALED AT THE SILL AND JAMB. ALL BITCRIOR FINISH MATERIALS MUST COMPLY WITH BC SECTION 803 TABLE 803.5 - SEE BELOW FOR AINBAUM CLASS RECUBERMENTS:

DATE: 01:26-16
PROJECT:
MB184009
SHEET:

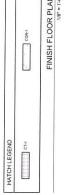
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FINISH NOTES (1)

(m)











or chin	HATCH LEGEND	
	CT-3	CON-1
FINISH FLOOR PLAN		FINISH FLOOR P
1/8" = 1'-0"		-8/1

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1



GONTITATIX.

OBE COAT SEPSION BOARD PRIMER, 1.1 MES SETT THERE

2. ONE COAT TATURE, USC WALEH-BENOOD, TEXTURE, THERE

3. TWO COATS LATEX ESTS-PHILL, 1,6 MAS DET PER COAT,

MATERIAL SCHEDULE

-1-	CON-1
	FINISH FLOOR PLAN
	1/8" = 1"-0

								i.
SPACE				WA	WALLS		CEILING	ž
	900.19	3548	HIHON	1843	нтиог	WEST	.010 34YT	cre.
VESTIBULE	CONFI	2	PT-1	P7-1	PT-I	PT-1	CYP-1	57.5
RECEPTION	CONF-1	1-0	PEst	PT-1	PT.1	pT-1	ACT-1	9
CONFERENCE	CONFI	1-0	PT-1	PT-1	PT-1	PT-1	ACT-1	3
CORRIDOR	CONFI	0-1	PT-1	PT-1	PT.1	PT-1	ACT.1	9.6
OFFICE	0.0141	1-0	P.T-1	p.1.1	PT-1	PT-1	ACT-1	3
OFFICE	CDN+1	5	PT-1	pta	Plat	Plat	ACT-1	9.6
OFFICE	C0N+1	ä	PTM	PT-1	PT-1	PT-1	ACT-1	97
тесн	CONFT	1-0	FILE	P1-1	P1-1	PI-1	ACT-1	59.6
COMMUNICATIONS	CON-1	1-0	PT-1	p.T-1	p.T.1	PT-1	ACT-1	2
ISREAK ROOM	1-9000	ā	PT-1	př.1	PT.1	PT-1	ACT-1	98
WOMENS	CT-1	1-0	PT-1 FRP-1	PT-1	PT-1	PT-1	GYP-1	9.6
MENS	CT-1	P-1	PT-1	PT-1	FIE1 FRP-1	Plet FRP-1	GriP-1	5.0
STORAGE	1-100	1-9	PTel	PT-1	PT-1	PT-1	1-53	
UNLIFY	1400	B-1	Filet	11.1	1-14	Pilat	1.53	Ľ.
донз	COMPA	65.44	1.0.1	1.0.4	0.4.0			L.

TAPE, BED, TEXTURE, AND PAINT IN NEUTRAL COLORS PROVIDE DOOR STOPS FOR ALL DOORS ALLOW FOR # TOLERANCE ON ALL ROUGH OPENINGS ALL BOOR HARDWARE SHALL BE COMMERCIAL GRADE PROVIDE STANDARD RESTROOM ACCESSORIES INCO PAPER DISPENSERS, AND ADA GRAB BARS

	1400 H 1400 C 1400 C 1400	32A8 2	нтя					
	CON-1	8-1	ON	T&A3	нтиог	WEST	3d/1 010	CTG.
	CON-1		PT-1	P7.1	PT-1	pT-1	CVP-1	20.00
	CONT	1-0	PEr	PT-1	PT.1	pT-1	ACT-1	50
	CONFI	1-0	PT-1	pT-1	PT-1	PT-1	ACT-1	3
+++	1-900	0-1	PT-1	PT-1	PT.1	pT-1	ACT.1	99
		1-0	P.T-1	p.1.1	PT.1	PT-1	ACT.1	9
H	CONFI	150	PT-1	pre	PT-1	Plat	ACT-1	-01.0
OFFICE.	1400	-6	PT-1	PT-1	pT-1	p.T-1	ACT-1	9 3
10/ TECH	CONFT	1-0	FILE	Pl-1	P1-1	PILI	ACT.1	101.6
COMMUNICATIONS	CON-1	1-9	PT-1	PT-1	PT-1	PT-1	ACT-1	200
109 BREAK ROOM	CORFI	1-0	PT-1	pT-1	PT.1	PT-1	ACT-1	96
TTO WOMENS	CT-1	1-0	PT-1 FRP-1	pt-1	PT-1	PT-1 FRP-1	GYP-1	3
111 MENS	CT-1	P-1	PT-1	PT-1	PE-1 FRP-1	P1-1 FRP-1	GrP-1	579
112 STURAGE	1400	2	P.T.1	PT-1	PT-1	PT-1	1-83	
VIDEO CIT	1400	14	1-1-1	11.1	PER	P.1-1	1.53	
40HS htt	14600	.t-9	1.63	1.93	PT-1	1.Pc1	1-83	

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MATERIAL SCHEDULE (9)

















SHEET SHEET

DATE: 01-26-18
PROJECT:
MB184009
SHEET:

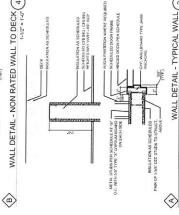
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A7.02

STUD SCHEDULE (1)

WALL DETAIL - NON RATED WALL TO DECK METAL STUDS PER SCHEDULE AT 16"
O.C. WITH SW TYPE "X" GYPSUM BOARD IN CACH SIDE INSULATION AS SCHEDULED PAR OF 3 MB\* CEE STUDS TO STRUCT, ABOVE





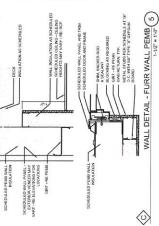


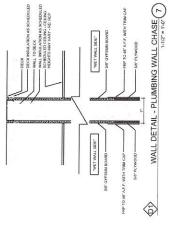
.WET WALL SIDE.

CONFIRM FINISH --PER PLAN

0









SENERAL NOTES

80.0

O&M BUILDING
O&M BUILDING

THE STRUCTURE NAS BELOE RESTOROS TO RESEST DESCRIPTIONS OF A CADMITTED STRUCTURE, APPL, CELTIDOS OF A CADMITTED STRUCTURE, APPL, CELTERIS OF A CADMITTED STRUCTURE, APPL, CELTERIS OF A CADMITTED STRUCTURE, APPL, CELTERIS OF A CADMITTED STRUCTURE, APPL, CADMITTED STRUCTURE, APP 1.6

AND SERVICES REPORTED THE CONTROL OF CHARGO OF AND SHALL NOT DRE RESPONSE FOR CHARGO OF CHARGO O 1.7

FOUNDATION NOTES:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENGING ANY MORE. 2.1

2.2

IN MEAS WHERE THERE IS VECETATION, CONTRACTOR STALL SEAL PRODUCTION COMPLETED TO A DEPTH OF 4 TO 6 INCHES DEPTH OF 4 TO 5 INCHES DEPTH OF 5 INCH CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE SHOULD ANY DIMENSIONS OR CONDITIONS VARY FROM INTENT OF THE DRAWINGS.

GRADE THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND SLABS. WATER SHALL NOT BE ALLOWED TO POND ADJACENT TO THE BUILDINGS OR SLABS. CONTRACTOR SHALL PROOF ROLL THE SUBGRADE TO DETERMINE LOCATION OF SOFT OR LOOSE SOILS WHICH MAST BE REMOVED AND REPLACED WITH SELECT FILL.

> 5.2 5.6

THE STRUCTURAL REWINDS AND SECTE (CLIDOS ANE A PORTION OF THE CONSTRUCTION OCCURENTS. THE COURSELVEN AND SMECHARCTORS SHALL REFERENCE AND COORDINATE WITH ALL DIMER DISCIPLINES DRAWNINGS. AND DISCIPLINESTIONS SHALL BE REPORTED TO THE STRUCTURAL ENGINEST AND ARCHITECT.

STATEMENT OF STATE. SCARTEY SUBGRADE: TO A WININGLOW DE-PS. PERCENT OF THE WAXINGLAW OFF CERSINGLY AS DEFENDING BY THE STANDARD PROCEDIN DENSITY TEST (ASTN. D-698). THE THE WAS STUDE ON STRING THE ARMOE BEFREEN O TO +4 PERCENT OF OFF THAM BUISTURE CONTEXT.

2.7

1. GENERAL BUILDING CODE: INTERNATIONAL BUILDING CODE.

A. CODES AND SPECIFICATIONS:

1.2 DESIGN CRITERIA:

CONCRETE: BUILDING CODE REDUIREMENTS FOR STRUCTURAL CONCRETE. AMERICAN CONCRETE INSTITUTE, ACI 318-14.

B. DESIGN LOADS (PSF):

1. DEAD LOADS:

STRUCTURE, SEEE FILL SHALL BE A CLEAN SANDT CLAY
LESS THAN A OAD A BASTELLEY BEN'N COUNT UNITED.
LESS THAN A OAD A BASTELLEY BEN'N COUNT UNITED.
LESS THAN A OAD A BASTELLEY BEN'N CRED IN WASTIMUM
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TO 3- PRECENT OF DETILIAMA MOST STIME CONTENT.

TERR WORK SHALL BE PLACED AND SHORED. ALL RELEGION OF THE PLACED.

RELIGION OF THE LARGE ALL ADDRESS. AND SHORED PLACED. INSTITUTE LARGE ALL ADDRESS. AND PRESENCE AND SAFETY. THE LARGE COUPAILD AND PRESENCE AND HEALTH ACT SAND SHALL BE CLEAN, SHARP, GRANULAR TYPE, LOCALLY AVAILABLE AND EASILY COMPACTED FREE OF VEGETATION OR OTHER DELETERIOUS MATERIAL,

5.8 5.9

ANY CHANGES IN CONSTRUCTION MATERIALS FROM INDUSES SHOWN ON THE ARKINITECTURAL OR STRUCTURAL DARWINGS SHALL BE REPORTED BY THE CONTRACTOR TO THE STRUCTURE LOAD—CARRYING CAPACITY OF THE STRUCTURE.

CONTRACTOR SHALL HAND TAMP BOTTOM OF GRADE BEAM EXCAVATIONS TO A HARD SURFACE BEFORE PLACING REINFORCING STEEL.

2.10

THE ULTIMATE DESIGN WIND SPEED (V-ULT) FOR USE IN THE DESIGN OF RISK CATECORY (I BUILDINGS AND STRUCTURES SHALL BE 115 MPH.

20 PSF

OIL CONTAINMENT ---

LIVE LOADS: WIND LOADS:

5 'n HEROGRAP STEE SHALL BE LAP SPLICED A MINIMUM OF 42 LAN OLD MESS. MINIMUM TO-FOOT LONG CORNER BANS CORNERS. STEEL BE PROVIDED AT ALL CHARDE BEAM CORNERS. STEEL BEACH LEG. MINIMUM REINFORCING STEEL CORER SHALL BE PROVIDED AS FOLLORS: 2.11

WHERE CONCRETE CONTACTS EARTH WHERE CONCRETE CONTACTS FORM 1 1/2"

ALL CONCRETE SURFACES SHALL BE PROPERLY CURED AND SUFFICE CORT CHAIL THE BEFORE PERMITTING TRAFFIC OR CONSTRUCTION TO PROCEED. A HARD STEEL TROWELFINISH SHALL BE PROVIDED ON ALL CONCRETE.

2.12 2.13

COURTACTOR SALL VERTE, ALL DIAGNESSIONS AND SITE
CHANGITIES PRICE ID FARM CALL DIAGNESSIONS AND SITE
STRUCTURAL FROM EER AND ARCHITECTOR OF ANY INCH.
DISCREPANCIES PRICE TO FARMICAL TON-CONSTRUCTURY.
CONTRACTOR IS REPONSE

1.3

LIVE LOAD REDUCTIONS HAVE BEEN APPLIED IN ACCORDANCE WITH THE BUILDING CODE. UNLESS NOTED.

SHOP DRAWNOSS: THE CONTACTOR SHALL SUBMIT FOR STRUCTURAL INSTITUTION RETREATED SHARMS SHOW THE POLICIAN IN TERM. TIES ARRENDED OF SHARMS SHOW THE BOARNINGS SEALED BY A PROFESSIONAL ENGINEERS AND RECUSTERED IN THE STATE IN WHICH THE PROJECT IS UOAFFED.

4.

CONCRETE REINFORCING

- 2

1.5

THIS FOUNDATION DESIGN IS BASED ON 18C TABLE 1806.2, "PRESUMPTIVE LOAD-BEARING VALUES." THE BEARING CAPACITY FOR TYPE 5 SOIL IS 1.500 PSF.

FOOTINGS SHALL BE POURED IMMEDIATELY UPON COMPLETION OF EXCHATION AND FOOTING BEARING SURFACE, ALL SPOILS FROM THE FOOTING EXCAVATIONS SHALL BE REMOYED FROM THE BUILDING PAD. OUALITY CONTROL TESTING IS FOR THE ORNER'S BENEFIT OF THE ORNER'S BENEFIT TYPES OF TESTING SMALL BE OF RECURDED BY THE OWNER OR HIS MENT IN FOLL COOPERATION WITH AND WITH PRIOR ANNONNEESEN IT OF THE CONTRACTOR. 2.14 2.15

CONCRETE IN FOOTINGS SHALL HAVE A MIX DESIGNOR A MINIMAN OF 3500 PG 1/7 20 DAYS WITH E SAKES DE STANDARD THE DESIGN TO 1/2 INCH COURSE CHARLES KINGTON OF THE THE SAKES OF A METAL CHARLES KINGTON OF THE SAKES OF A METAL ENTER THE CHERCHLUKS OF 50 TO 90 DECREES F WAY BE MADE WITHOUT SPECIAL PROTESTORS.

2.16

THE CONTROL STRENGERS UNAVAINGE, AND SPECET CALTONS
REPRESENT THE FINISHED STRUCTURE, AND EXCEPT WHERE
SPECIFICALLY SHOWN, ON OFT INDICATE THE ME THOO TON
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CONTROL IN SALES, AND PROFILE REASON, UNIVERNITY OF STRANDS TO STR 2.17

ALL REINFORCING STEEL SHALL BE CLEAN. NEW AND FREE OF DIRT. HUST OR UL, AND SHALL MEET DR. EXCEED THE REQUIREMENTS OF ASTIM, AND FASTO, GRADE 60. EXCEPT M3 STIRRUP BARS WHICH MAY BE GRADE 40. 2.18

PLAIN SMOOTH RODS OR DOWELS SHALL CONFORM TO ASTM A-675. GRADE 80. 2.19 2.20

WELDED WIRE REINFORCEMENT (WWR): ASTM A185. MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WINE SPACING PLUS 2" OR 8" PROVIDE FLAT SHEETS ONLY, NO ROLLS

JOINT FILLER STRIPS FOR JOINTS SHALL CONFORM TO ASTM. THE SHALL BE 1/2 INCH. THICK HITHINGS SHOWN DIMERS SHOWN OF SEALLY OFF OFFILMS OF SEALL CONFIETE PAYEMENTS.

3. PRE-ENGINEERED METAL BUILDINGS:

ALL STRUCTUME STEEL SATE OF OPPERED NEEDED OF SEED OF

THE DESIGN OF ALL PRE-ENCINEERED COMPONENTS SHALL BESSEN WE ARE SECURIFIED STATEMENT OF THE "DESIGN OF THE PRESIDENT OF THE PROJECTION OF THE P

3.4

RICID FRAMES AND COLUMNS - DRIFT H/300 LATERAL WALL GIRIS AND EAVE STRUTS

BASES OF COLUMNS SHALL BE DESIGNED AS PINNED SUPPORTS.

3.5 3.6 3.7

FIELD WELDED CONNECTIONS FOR LIGHT GAUGE MEMBERS SHALL NOT BE PERMITTED WITHOUT SPECIFIC WRITTEN APPROVAL OF THE ARCHITECT.

LATERAL STABILITY OF THE BUILDING FRAME SHALL BE PROVIDED IN THE STRUCTURAL FRAMING. WALLS AND OTHER BUILDING COMPONENTS SHALL NOT BE USED TO RESIST LATERAL LOADS UNLESS NOTED OTHERWISE. 3.8

H2B, INC. BALL TX 77008 HOUSTON, TX 77008 1225 V Loop W. Suite 800 HOUSTON, TX 77008

3.1 THE SCOPE OF WORK INCLUDES THE FOLLOWING AT A MINIMUM:

A. PROTOTORS, SIGNATINGS FOR META, BUILDING MESSIONS.

B. PROVIDING, SIGNATIONS FOR SIRVEDIRAL AND STREATIONAL AND STREATIONAL AND STREATIONAL AND STREATIONAL AND STREATION SIGNATION SIGNATION SIGNATURES. SECTION, F. TRANSPORTING, AND ERCTINN SIRVE FRANCE AND DAY PROTOTOR AND STREAT SIRVED AND STREAT SIRVED SIGNATION SIRVED SIRVE

3.5

ALL BUILDING COMPONENTS SHALL BE COMPATIBLE WITH THE CONTRACT DOCUMENTS. ANY REQUESTS FOR MINOLF ICATIONS SHALL BE SUBMITTED TO THE ARCHITECT DURING THE BIDDING PROCESS.

2.20 2.21

#5 X 5'-0" LONG REINFORCING STEEL SHALL BE PROVIDED AT ALL RE-ENTRANT CORNERS.

THE DESTOR OF ALL MET-CHRITERED BUILDING WEMBERS AND COMPONENTS (INCLUDING ARCING BOLT STEELS CENTRY OF THE PRESPONSIOLITY OF THE PRES-CHRITERED BUILDING MAKING RESSORS THE DIRECTION OF THE PRES-CHRITERED BUILDING MAKING RESSORS THE OTHER CONTINUES. THE PRESENCE OF THE PRES-CHRITERED BUILDING AND THE DIRECTION OF THE PRES-CHRITERED BUILDING STATE OF THE PRES-CHRITERED BUILDING STATE OF THE PRES-CHRITERED BUILDING STATE OF THE PRES-CHRITERED BUT THE PRES-CHRITERED BUT THE STATE OF THE STATE OF THE PRES-CHRITERED BUT THE STATE OF THE ST

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3.9

SHOP DRABLINGS SHALL BE PREPARED FOR ALL STRUCTURAL.
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SHALL DUE BE REFREIDING THE SHALL BE SHALL BE SHOWN THE SHALL BE SHALL BE SHALL BE SEALED AND STOKED BY
A PRIFESSIONAL ENGINEERED RECISTERED IN THE STATE



180\* HODK

2 1/2" MINIMUM

90. НООК

CORNER CONDITIONS-STIRRUP OR TIE

90° HOOK A OR G'

FINISHED BEND DIAMETER D. (INCHES

BAR

113 114 115 116 117 1110 11110 11110

BAR | 0 (1N, AP UDOR | 35'\*HOOF | 35'\*HOOF | 35'\*HOOF | 35'\*HOOF | 35'\*HOOF | 35'\*T | D=INSIDE DIAMETER OF BEND

STIRRUP AND TIE HOOK

DETAILING DIMENSION

GROSS TIE 135\* HODK-

HOOK

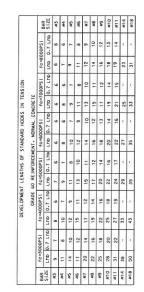
END HODK DIMENSIONS 180\* HODKS

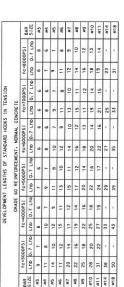
A DR G

DETAILING DIMENSION

12db FOR #6. #7, #8 6db FOR #3, #4, #5

DETAILING





	OF BAR
	LdH 80* HOOKS
_	_[
	OF BAR
	L dH 90* HODKS

NOTES:

1. LOT = DEVELOPMENT LENGTH OF STANDARD HORSE IN TENSION (THOMES).

2. LOT = LOT BRIEFER THE STATISTICS ASSISTINGTION STATISTICS.

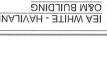
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BETWOOD HORSE AS WITH LESS THAN 2 THOMES. SOME DAY HORSE STATISTICS.

BETWOOD HORSE AS WITH THE PROPERTY OF THE PROP



CPA # 2018029522 - March 21, 2018
BUILDING SKED ONIVENED BENEARINGENT LENGTHS FOR HOOKS



STANDARD	MINIMUM LENGTH AS REQUIRED TO	PLATE.			CONCRETE	The second of th		IN	300	131		345 345	80	PLATE	\ 	LOCKING NUT			]	· · · · · · · · · · · · · · · · · · ·
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STHS	ETE	fc = 5000 PS	DTHER	12	16	11	23	25	33	34	45	54	1.1	29	88	18	106	16	127	114
ICE LEN	r CONCR		BOTTOM	12	16	13	17	19	52	56	34	45	25	15	19	62	81	75	86	87
AP SPL	WE ICH	fc = 4000 PSI	OTHER	12	16	19	25	28	37	37	49	09	7.8	7.4	57	90	111	108	141	127
NT AND L	. NDRMAL	fo = 4	BOTTOM	12	16	15	50	21	28	58	38	46	09	57	75	69	06	83	108	98
VELOPMEN	RCEMENT	= 3000 PS1	DTHER	13	17	22	58	32	42	43	96	69	90	96	112	104	136	125	163	146
STON DE	REINFO	fc = 30	BOTTOM	12	91	11	23	52	33	33	43	53	69	99	98	80	104	96	125	113
SLAB TENSION DEVELOPMENT AND LAP SPLICE LENGTHS	GRADE GO REINFORCEMENT. NORMAL WEIGHT CONCRETE	94.	SS	A	8	A	8	A	8	4	В	A	8	٧	8	٧	8	٧	8	٧
- 2.	-		w															-	. 7	

7

SIZE CLASS BOTTOM OTHER BOTTOM

TYPICAL END HOOK DIMENSIONS

TYPICAL STIRRUP AND HOOK TIES

135\* HDDK

1. REFER TO PRE-ENGINEERED METAL BUILDING PLAN FOR ANCHOR ROD DIAMETER AND QUANTITY.

TYPICAL DETAILS

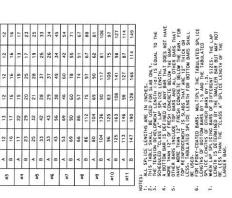
ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36 WITH HEAVY HEX MULT, 512E SPECIFIED BY THE WETAL BULLDING SUPPLIER. EMBEDMENT LENGTHS CORRESPONDING TO ANCHOR BOLT DIAMETERS SHALL BE: 2.

8-g" DIAMETER BOLT: MIN 8" EMBEDMENT 3-g" DIAMETER BOLT: MIN 12" EMBEDMENT 1" DIAMETER BOLT: MIN 12" EMBEDMENT 1-g" DIAMETER BOLT: MIN 20" EMBEDMENT 1-g" DIAMETER BOLT: MIN 24" EMBEDMENT

- 3. UNLESS NOTED OTHERWISE. ALL ANCHOR RODS NUTS SHALL BE TIGHTEN TO A "SAUG THOH" COMPITTON AS DEFINED BY AISC AFFER THE CONCRETE IS AT LEAST 14 DAYS OLD.
  - THE HOLE IN THE PLATE WASHER SHALL BE 1/16" LARGER THAN THE DIAMETER.

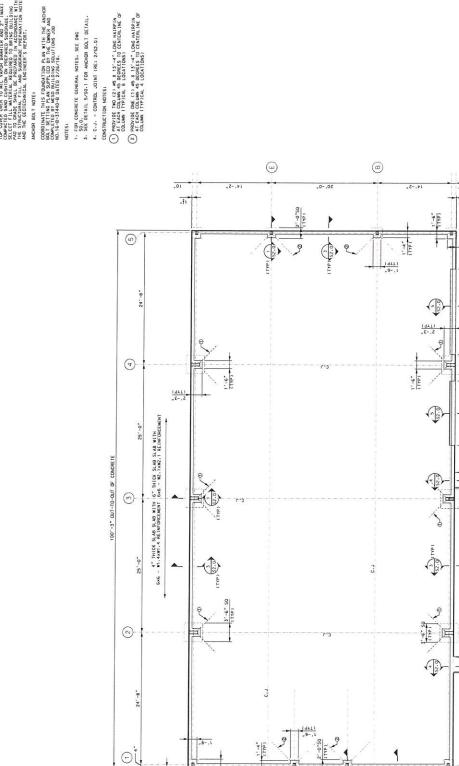
5 TYPICAL ANCHOR BOLT DETAIL

S0.1



4 TYPICAL DEVELOPMENT LENGTHS





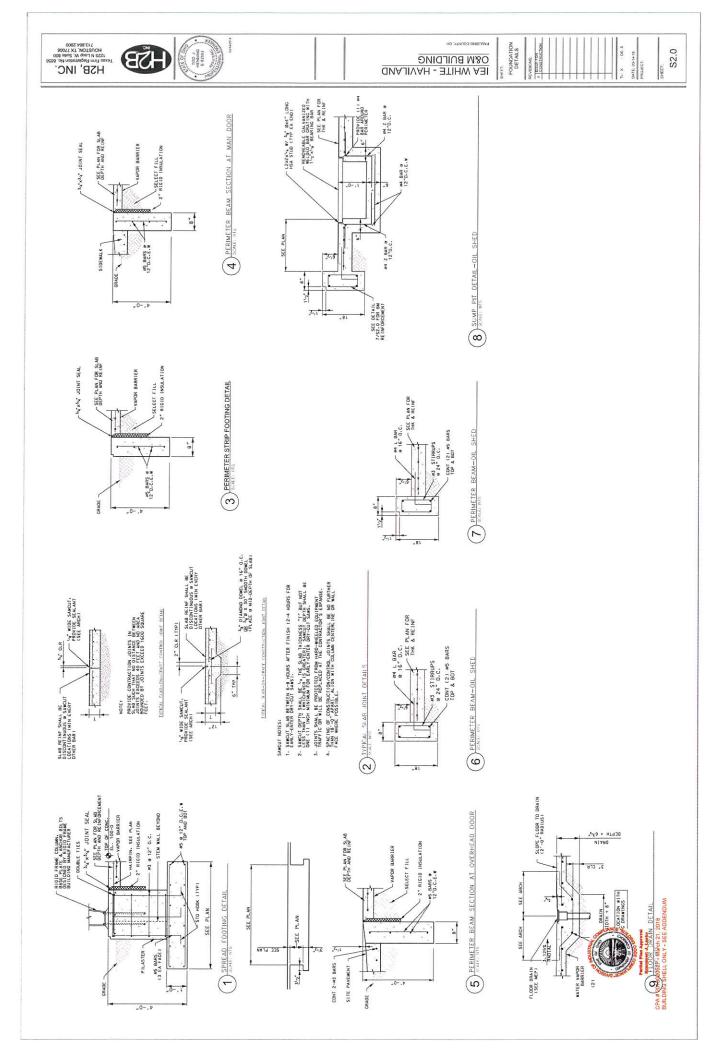
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20,-3, ON1-10-ON1 Ot CONCRETE

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TO STORY



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Permit (s). Please contact the	ed on the following application e Ohio Department of Transport nit (s).	tation, Specia	l Hauling Pe	ing Superl ermit Sect	oad ion when
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Fax to	4-26-18 b: Edwards lumber: 502-633	MOUI	~~~~		
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Hauler	loh Museha	1 66.15	T == =	)	12.00
rraulei	Job Number	OSHP (Entire Route)	ODOT**	Private	OSHP (Partial Route)
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Other comments:				10 100	
**If ODOT is required the har	uler must contact ODOT <b>not</b> r	nore tha	n by noc	n two	
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on Wednesday then contact	e Monday then contact ODOT b ODOT by noon on Monday,	y n <u>oon on Ti</u>	nursday. If	<u>vou want</u>	to move
THE HAULER MUST CONTACT THE ESCORT WILL ORIGINATE FOUND AT WWW.STATEPATR	THE OHIO STATE HIGHWAY PAT AT LEAST 48 HOURS PRIOR TO M OLOHIO.GOV	ROL (OSHP) I MOVE, POST I	N THE OHIC PHONE NUI	O COUNTY MBERS CA	<u>'WHERE</u> N BE
Ohio Department of Transpor Telephone: (614) 351-230	tation, Special Hauling Permit Se	ection.			
Fax: (614) 728-994	<b>1</b> 5				
Email: <u>superload.permits@d</u>	<u>ot.state.oh.us</u>				
***WHEN YOU ARE READY FO	R THE APPROVED APPLICATIONS	S TO BE ISSUI	ED: SEND TH	HIS SHEET	TO THE
ABOVE FAX NUMBER WITH TH	IE DESIRED EFFECTIVE DATE AND	FAX NUMBI	R OR EMAI	L ADDRES	<u>S.</u>
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