

mobile modular

Your Project – Our Commitment

SM

MECHANICAL NOTES:

1. ALL SUPPLY AIR REGISTERS SHALL BE 10 INCHES X 10 INCHES ADJUSTABLE w/ 10 INCHES X 20 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED. DUCTS LOCATED IN VENTILATED ATTIC SPACES SHALL HAVE AN R-6 INSULATION VALUE. DUCTS LOCATED IN UNCONDITIONED INTERIOR SPACE, INTERIOR SPACES SHALL HAVE AN R-4.2 INSULATION VALUE.
2. RESTROOM VENT FANS SHALL PROVIDE 50 CFM MINIMUM PER WATER CLOSET AND / OR URINAL.
3. VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
4. HVAC EQUIPMENT SHALL BE EQUIPPED WITH OUTSIDE FRESH INTAKES PROVIDING 20 CFM FOR EACH OCCUPANT OR 50 CFM FOR EACH WATER HEATER CLOSET AND EACH URINAL, WHICH EVER IS GREATER.

PLUMBING NOTES:

1. CUSTOMER ASSUMES ALL RESPONSIBILITY FOR DRINKING WATER FACILITIES AND SERVICE SINK WHEN NOT SHOWN ON THE FLOOR PLAN.
2. TOILETS SHALL BE ELONGATED WITH NON-ABSORBENT OPEN FRONT SEAT.
3. RESTROOMS WALLS SHALL BE COVERED WITH NON-ABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 72 INCHES A.F.F.
4. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUT-OFF VALVES.
5. WATER HEATER SHALL HAVE SAFETY PAN WITH 1 INCH DRAIN TO EXTERIOR, T & P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
6. DWV SYSTEM SHALL BE EITHER ABS OR PVC - DWV.
7. WATER SUPPLY LINES SHALL BE POLYBUTYLENE, CPVC, OR COPPER; WHEN POLYBUTYLENE SUPPLY LINES ARE INSTALLED THE MAXIMUM WATER HEATER TEMPERATURE SETTING IS 180° F. THE POLYBUTYLENE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LIMITATIONS AND INSTRUCTIONS.
8. WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH TANK TYPE UNLESS OTHERWISE SPECIFIED.
9. BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS.
10. SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 120° F (48.8° C).
11. THERMAL EXPANSION DEVICE, IF REQUIRED BY WATER HEATER INSTALLED, AND IF NOT SHOWN ON PLUMBING PLAN, IS DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL.

ELEVATION NOTES (TYP.)

1. SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION
2. HANDICAP RAM(S), STAIRS (S), AND HANDRAILS ARE TO BE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
3. FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/1 1/150th OF THE FLOOR AREA, AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS. SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL.

NOTE:
THIS BUILDING DOES NOT MEET THE FLORIDA ENHANCED HURRICANE PROTECTION AREA REQUIREMENTS.

NOTE:
THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH FAC RULE 61-41.

NOTE:
BUILDING PLACED IN A HIGH RISK ENVIRONMENT FOR LIGHTNING STRIKE REQUIRES A HIGH RISK LIGHTNING STRIKE EVALUATION.

NOTE:
THIS BUILDING HAS BEEN DESIGNED TO MEET THE REQUIREMENTS FOR PLACEMENT IN THE HIGH VELOCITY HURRICANE ZONE.

NOTE:
MINIMUM PLUMBING FACILITIES TO BE PROVIDED IN ACCORDANCE WITH FBC 403.4.1 AND SUBJECT TO THE APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION.

NOTE:
THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH FLORIDA FIRE PREVENTION CODE, 6TH EDITION (2017).

NOTE:
THE FLOOR AND ROOF DESIGN OF THIS PLAN IS "LIGHT-FRAME TRUSS TYPE CONSTRUCTION" AS REFERENCED IN F.A.C. RULE 69A.3.012. POSTING OF NOTICE SIGN(S) AS REQUIRED BY F.A.C. RULE 69A-3.012(6) SHALL BE SITE INSTALLED AND IS THE RESPONSIBILITY OF THE BUILDING OWNER.

NOTE:
THE EXTERIOR WALLS OF THIS UNIT HAVE BEEN CONSTRUCTED TO PROVIDE A 1 HOUR FIRE RATING. THE SIDING PANELS HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E119 AND HAVE BEEN APPROVED UNDER ASSEMBLY #: N015328-103870.

GENERAL NOTES:

1. ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO ALL LOCAL JURISDICTIONS. AT LEAST 50% OF PUBLIC ENTRANCES (INCLUDING PRIMARY ENTRANCE) AND ALL REQUIRED EXITS MUST BE ACCESSIBLE.
2. ALL DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS SHALL NOT BE USED.
3. ALL GLAZING WITHIN A 48 INCH ARC OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 80 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL BE SAFETY, TEMPERED OR ACRYLIC PLASTIC SHEET.
4. ALL STEEL STRAPS REFERENCED ON FLOOR PLAN SHALL BE 1.5 INCH X 26 GA. W/ (8) 15 GA. X 7/16 INCH CROWN X 1/2 INCH STAPLES WITH A MINIMUM OF 1" PENETRATION EACH END OF STRAP OR 5 MIN. CORRIDOR WIDTH IS 44 INCHES.
5. MIN. CORRIDOR FINISH IS CLASS B (GYPSUM).
6. WINDOW AND DOOR HIGH WIND STORM COVERINGS PER CODE TO BE SUPPLIED AND SITE INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
7. PLAN REVIEW AND INSPECTION REQUIRED BY CHAPTER 833 F.S. TO BE DONE BY THE LOCAL FIRE SAFETY INSPECTOR.
8. PORTABLE FIRE EXTINGUISHER PER N.F.P.A. - 101 INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
9. THIS BUILDING REQUIRES A FIRE SEPARATION DISTANCE IN ACCORDANCE WITH TABLE 602 OF THE FLORIDA BUILDING CODE, 6TH EDITION (2017).
10. WHEN LOW SIDE OF ROOF PROVIDES LESS THAN 6" OF OVERHANG GUTTERS AND DOWNSPOUTS WILL BE REQUIRED, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION.
11. IN WIND BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE PROTECTED WITH AND IMPACT RESISTANT COVERING OR WITH MINIMUM 7/16" WOOD STRUCTURAL PANELS PER SECTION 1609.1.2 OF THE FBC. PANELS SHALL BE PRECUT TO COVER THE GLAZED OPENINGS WITH ATTACHMENT HARDWARE PROVIDED PER TABLE 1609.1.2 THE IMPACT RESISTANT COVERING OR WOOD STRUCTURAL PANELS ARE TO BE PROVIDED ON SITE BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
12. WIND BORNE DEBRIS REGIONS ARE AREAS WITHIN ONE MILE OF THE COASTAL, NEAR HIGH WATER LINE WHERE THE ULTIMATE DESIGN WIND SPEED IS 130 MPH OR GREATER AND AREAS WHERE THE ULTIMATE DESIGN WIND SPEED IS 140 MPH OR GREATER.
13. ALL MATERIALS USED IN THE CONSTRUCTION OF THE BUILDING WHICH ARE COVERED BY THE FLORIDA BUILDING COMMISSION CHAPTER 61020-3.006 RULES SHALL HAVE CURRENT FLORIDA PRODUCT APPROVAL.
14. THESE PLANS COMPLY WITH THE FLORIDA BUILDING CODE, 6TH EDITION (2017).
15. THE RAISED SEAL SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY DBPR.
16. EMERGENCY LIGHTING SHALL BE CAPABLE OF PROVIDING INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE AND A MIN. OF 1 FC MEASURED ALONG THE EGRESS AT THE FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO .6 C AVERAGE AND A MINIMUM AT ANY POINT OF .06 FC AT THE END OF THE EMERGENCY LIGHT TIME DURATION. A MAXIMUM TO-MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED. THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES.

ELECTRICAL NOTES:

1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODES (NEC).
2. WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM "STORAGE AREA" AS DEFINED BY NEC 410-8.8 (a).
3. WHEN WATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
4. HVAC EQUIPMENT SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE EQUIPMENT SERVED. A UNIT SWITCH WITH A MARKED "OFF" POSITION THAT IS A PART OF THE HVAC EQUIPMENT AND DISCONNECTS ALL UNGROUNDED CONDUCTORS SHALL BE PERMITTED AS THE DISCONNECTING MEANS WHERE OTHER DISCONNECTING MEANS ARE ALSO PROVIDED BY A READILY ACCESSIBLE CIRCUIT BREAKER.
5. PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED AS BEING IN COMPLIANCE WITH SECTION 110-9 OF THE NEC BY LOCAL ELECTRICAL CONSULTANT.
6. THE MAIN ELECTRICAL PANEL AND FEEDERS ARE DESIGNED BY OTHERS. SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
7. ALL CIRCUITS CROSSING OVER MODULE MATING LINE(S) SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES OR CABLE CONNECTORS.
8. REFERENCE STATE APPROVED PACKAGE FOR ELECTRICAL RISER DIAGRAM.
9. FIRE ALARM PULL STATION OPERABLE DEVICE SHALL BE LOCATED 42 TO 45 INCHES ABOVE THE FLOOR. FIRE ALARM HORN / STROBE DEVICE SHALL BE WALL MOUNTED WITH THE BOTTOM EDGE 80 INCHES ABOVE THE FLOOR APPLICABLE.
10. EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE AND SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.
11. ALL RECEPTACLS INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL BE IN WEATHER PROOF (W.P.) ENCLOSURES. THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED.
12. WHEN NOT SHOWN ON THE PLANS PROVISIONS FOR EXIT DISCHARGE LIGHTING (INCLUDING EXIT DISCHARGE EMERGENCY LIGHTING) ARE DESIGNED BY OTHERS AND THE RESPONSIBILITY OF THE BUILDINGS OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL.

ACCESSIBILITY NOTES:

1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS ALL ENTRANCES ARE ACCESSIBLE. INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.
2. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT HEIGHT NO HIGHER THAN 36 INCHES ABOVE THE FLOOR AND EDGE OF BASIN NO HIGHER THAN 34 INCHES ABOVE THE FLOOR FOR INDIVIDUALS IN WHEELCHAIRS. ADDITIONALLY, DRINKING WATER PROVISIONS SHALL BE MADE FOR INDIVIDUALS WHO HAVE DIFFICULTY IN BENDING.
3. WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS, AND DRAWERS ARE PROVIDED AT LEAST ONE OF EACH TYPE PROVIDED SHALL CONTAIN STORAGE SPACE COMPLYING WITH THE FOLLOWING: DOORS, ETC. TO SUCH SPACES SHALL BE ACCESSIBLE (i.e. TOUCH LATCHES, U-SHAPED PULLS); SPACES SHALL BE WITHIN 15 INCHES MINIMUM AND 48 INCHES MAXIMUM OF THE FLOOR FOR FORWARD REACH OR 9 INCHES MINIMUM AND 54 INCHES MAXIMUM, OF THE FLOOR FOR SIDE REACH; CLOTHES RODS SHALL BE A MINIMUM OF 54 INCHES ABOVE THE FLOOR (48 INCHES MAXIMUM WHEN DISTANCE FROM WHEELCHAIR TO ROD EXCEEDS 10 INCHES).
4. CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 45 INCHES ABOVE THE FLOOR FOR FRONT APPROACH OR 54 INCHES ABOVE THE FLOOR FOR SIDE APPROACH. RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15 INCHES ABOVE THE FLOOR. EXCEPTION: HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.
5. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOMS, AND PLACED 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER.
6. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (i.e. LEVER- OPERATED, PUSH - TYPE, U - SHAPED) MOUNTED NO HIGHER THAN 48 INCHES ABOVE THE FLOOR.
7. ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. THE MAXIMUM FORCE REQUIRED TO OPEN A DOOR SHALL NOT EXCEED 8.5 LBS. FOR EXTERIOR SWINGING DOORS AND 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR SWINGING DOORS.
8. FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. CHANGES IN LEVEL BETWEEN 0.25 INCHES AND 0.5 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 0.5 INCH REQUIRE RAMPS. CARPET PILE THICKNESS SHALL BE 0.5 INCH MAX. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
9. ACCESSIBLE WATER CLOSETS SHALL BE 17 INCHES FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36 INCHES LONG MINIMUM WHEN LOCATED BEHIND THE WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG THE SIDE OF THE WATER CLOSET, AND SHALL BE MOUNTED 33" MIN. & 36" MAX. FROM FLOOR TO THE TOP OF THE RAIL.
10. ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.
11. ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 28 INCHES ABOVE THE FLOOR TO THE BOTTOM OF THE APRON.
12. ACCESSIBLE SINKS SHALL BE MOUNTED WITH RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 27 INCHES HIGH, 30 INCHES WIDE, AND 19 INCHES DEEP UNDERNEAT SINK. THE SINK DEPTH SHALL BE 6.5 INCHES MAXIMUM.
13. HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT CONTACT. INSULATION OR PROTECTION MATERIAL MAY BE SITE INSTALLED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.
14. ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (i.e. LEVER- OPERATED, PUSH-TYPE, ELECTRONICALLY CONTROLLED).
15. WHERE MIRRORS ARE TO BE PROVIDED ABOVE A LAVATORY OR COUNTERTOP, IT SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE NO HIGHER THAN 40 INCHES ABOVE FINISHED FLOOR.
16. WHERE MEDICINE CABINETS ARE PROVIDED, AT LEAST ONE SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 INCHES ABOVE THE FLOOR.
17. GRAB BARS REQUIRED FOR ACCESSIBILITY SHALL BE 1.25 INCHES TO 2 INCHES IN DIAMETER WITH 1.5 INCHES CLEAR SPACE BETWEEN THE BAR AND THE WALL.
18. TOILET STALL DOORS SHALL BE THE SELF-CLOSING TYPE.
19. A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.
20. WATER CLOSET FLUSH CONTROL SHALL BE MOUNTED ON THE WIDE SIDE OF THE CLOSET.

ADDITIONAL PROJECT INFORMATION

-BUILDING IS TO BE CERTIFIED.
SERIAL #: 0000000

" NOTICE "

PLEASE REVIEW PLANS COMPLETELY. ANY COMPONENTS CROSSING MATE. LINES WILL BE SITE INSTALLED BY SET UP CREW.

ADDITIONAL 3rd PARTY INFORMATION:

A SIGNED/SEALED SET OF PLANS IS MAINTAINED ON FILE IN THE 3rd PARTY AGENCY OFFICE.

THESE PLANS COMPLY WITH FLORIDA PRODUCT APPROVAL RULE 61620-3.006.

STRUCTURAL LOAD LIMITATIONS:

DESIGN CODES
FLORIDA BUILDING CODE, 6TH EDITION (2017)
ASCE 7-10 CODE

BUILDING DEAD LOADS

- A. ROOF = 10 PSF
- B. FLOOR = 10 PSF
- C. WALLS = 5 PSF

BUILDING LIVE LOADS

- A. ROOF = 30 PSF
- B. FLOOR = 50 PSF
- C. CORRIDOR = 100 PSF

CONCENTRATED LOAD,
OVER 30 INCH C 20 INCH AREA
LOCATED ANYWHERE ON FLOOR.

ROOF SNOW LOAD: NA

WIND LOAD CRITERIA:

1. 144 Vasd/186 Vult MPH (HVHZ) WIND SPEED
2. II RISK CATEGORY
3. II BUILDING CATEGORY
4. ENCLOSURE CLASSIFICATION: ENCLOSED
Gcpl = 0.18 INTERNAL PRESSURE COEFFICIENT.
5. C EXPOSURE FACTOR
6. 0.85 WIND DIRECTIONALITY FACTOR (Kd)
7. 0.85 GUST RESPONSE FACTOR (Gf)
8. COMPONENT & CLADDING LOAD:
(ROOF)
P1 = ZONE1: -31.5 PSF, ZONE 2: -62.2 PSF, ZONE 3: -91.2 PSF (WALL)
PW = ZONE 4: -31.8 PSF, ZONE 5: -42.1 PSF
9. ENCLOSED BUILDING ENCLOSURE CLASSIFICATION
10. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.

FLOOD LOAD:

THIS BUILDING IS NOT DESIGNED TO BE SUBMERGED OR SUBJECTED TO WAVE ACTION WHEN LOCATED IN A FLOOD PRONE OR ZONE AREA. FINISH FLOOR ELEVATION MUST BE LOCATED ABOVE THE BUILDING SITE FLOOD PLANE LEVEL.

SITE INSTALLED NOTES:

- NOTE THAT THIS LIST DOES NOT NECESSARILY LIMITS THE ITEMS OF WORK AND MATERIALS THAT MAY BE REQUIRED FOR A COMPLETE INSULATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
1. THE COMPLETE FOUNDATION SUPPORT AND TIE DOWN SYSTEM.
 2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
 3. PORTABLE FIRE EXTINGUISHERS (S).
 4. DRINKING FOUNTAIN, BUILDING DRAINS, CLEAN-OUTS, AND HOOK-UP TO PLUMBING SYSTEM.
 5. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.
 6. THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS (MULTI-UNITS ONLY).
 7. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATING LINES (S) - (MULTI-UNITS ONLY).
 8. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN
 9. WINDOW AND DOOR HIGH WIND STORM COVERINGS PER CODE.
 10. GUTTERS AND DOWNSPOUTS (IF APPLICABLE).
 11. SINK AND CABINETS.
 12. FIRE ALARM SYSTEM, WIRING, SMOKE DETECTOR, ETC (IF APPLICABLE).
 13. THERMAL EXPANSION DEVICE IF REQUIRED.
 14. FIRE EXTINGUISHERS (IF APPLICABLE).
 15. COVERED PLATFORM FOR ENTRY.

DRAWING INDEX:

C1	COVER SHEET
A1	FLOOR PLAN - DRY
A1.1	FLOOR PLAN - WET
A1.2	DETAILS
A2	ELEVATIONS
A3	CROSS SECTION
A3.1	DETAILS
A3.2	DETAILS
A3.3	DETAILS
A3.4	DETAILS

CLEMONS, RUTHERFORD & ASSOCIATES, INC. 2027 Thomasville Road, Tallahassee, Florida 32308 PH: 850-385-4151 F: 850-386-8420 www.craarchitects.com	
DBPR PLAN REVIEW	
AGENCY PLAN #: 18002.06	
CODE VERSION:	FBC 2017 6th Edition, SREF
CONSTRUCTION TYPE:	II B OCCUPANCY: Group E AREA: 880
MANUFACTURER:	Mobile Modular Management, MFT-7792
FIRE PROTECTION:	Owner provided where required EHPA: NO
# OF STORIES:	1 MODULES: 2 EXT. WALL RATING: 1
WIND VELOCITY:	138 mph, Exposure C HVHZ: YES
FLOOR LOAD:	MAX (1000) LIVE (50) DEAD (10)
ROOF LOAD:	MAX () LIVE (30) DEAD (10)
"R" FLOOR, WALL, ROOF: 15.32, 15.8, 21.9	
FLOOD ZONE: Inundation must comply with FBC 633.2-3.1	
APPROVED DATE:	6/6/2018 REVIEWER: Billy Tyson, SMP-46
This approval IN NO way alleviates the builder from complying with all Applicable Current Codes, which may not be identified in this Review.	

FIRE PLAN REVIEW
Pursuant to FAC 69A-06.006(4)(e)
a plan review of 18002.06
found items that are indicated to be installed for compliance with the Florida Fire Prevention Code
In the Factory [] yes [x] no
on site by others [x] yes [] no
An inspection pursuant to SS 633.081(1) is required.
Reviewer: Walt Spann, Lic. # 62373
Date: 06/06/2018

CLEMONS, RUTHERFORD & ASSOC.	
DBPR PLAN REVIEW	
# 18002.06	6/5/2018

CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

REVISION DATE:
03-30-2018

DATE: 03-20-2018

DRAWN: R.L.G.

JOB #: MPD-1518

SHEET NO.

C1

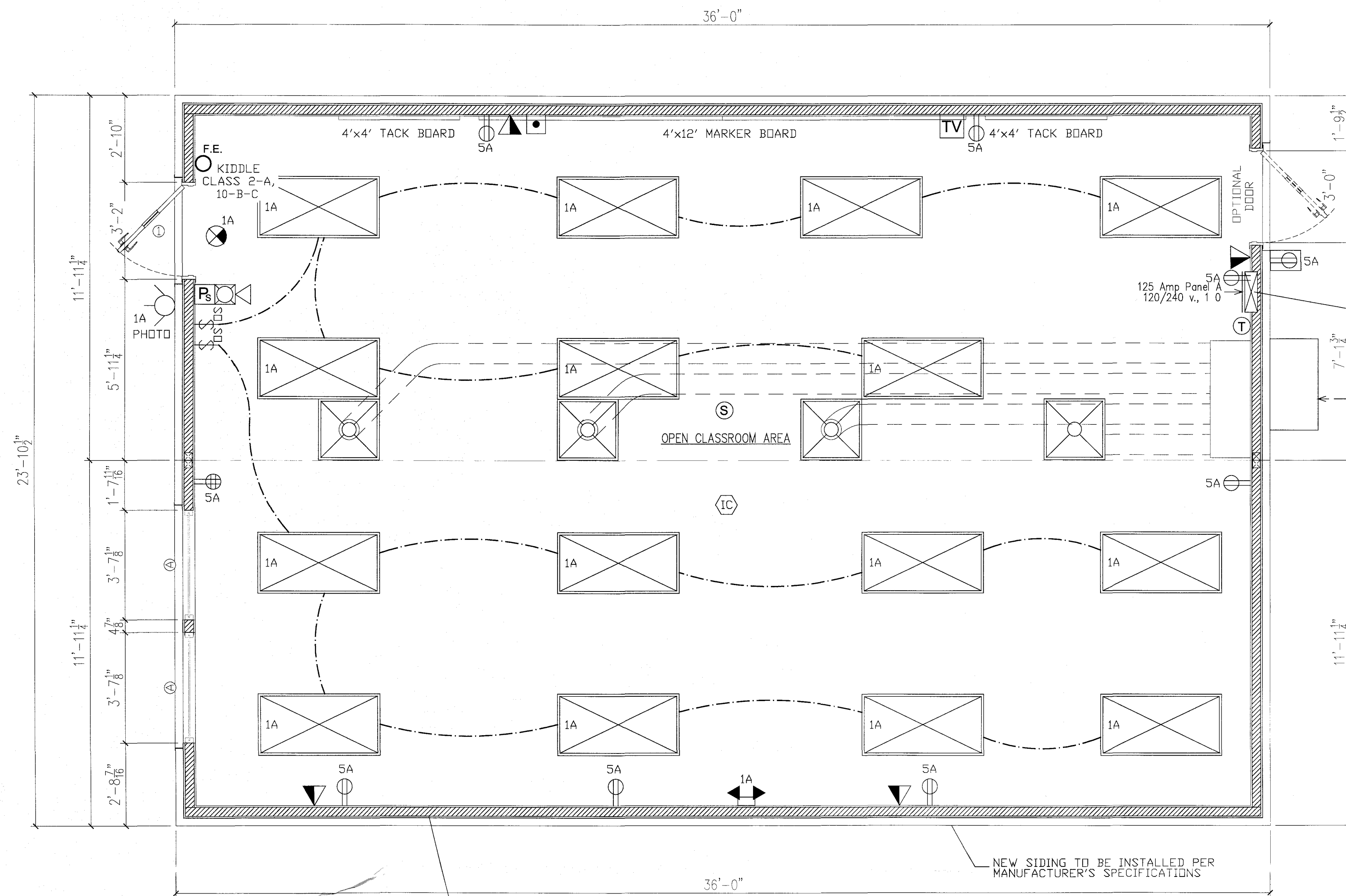
MODULAR STRUCTURE FOR:
Mobile Modular
(24' X 36')

MODULAR PLANS DESIGN, CO.

MODULAR PLANS DESIGN, CO.

mobile modular
Your Project – Our Commitment

1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA 33803
PH: 863-688-1054
FAX: 863-688-7118
MODULARPLANS@TAMPABAYFLORIDA.COM



ELECTRICAL PANEL MUST BE LOCKABLE AND CONTAIN 20% SPARE CIRCUIT CAPACITY.

NOTE: ELECTRICAL PANEL IS IN COMPLIANCE WITH SREF DESIGN GUIDELINES.

3.5 TON HVAC W/10 KW HEAT STRIP 1000 CFM @ 5 LWC ESP 240V, 10 HVAC UNIT PROVIDED WITH FRESH AIR INTAKE CRT#2,4A

ELECTRICAL PANEL "A" SIZING		
DESCRIPTION:		
.0035 KW SF X .864 SF X 1.25		3.78
1 HVAC @ 10.9 KW		10.9
9 RECEPTS @ 180 VA / 1000		1.62
1 WATER HEATER @ 1.9 KW X 1.25		--
1 FANS @ .3 KW X 1.25		--
TOTAL 16.30 KW		
TOTAL / 240 X 1000 67.92 AMPS		
INSTALL 125 AMP PANEL 120 / 240V 10		

ELECTRICAL SCHEDULE			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE SIZE CU. MC W/G.
2 & 4	HVAC	60A 2P	6-2
1	LIGHTING	20A 1P	12-2
5	RECEPTS	20A 1P	12-2
ALL PORTABLE APPLIANCES, INCLUDING W/H TO HAVE DISCONNECT IF NOT WITHIN VIEW OF ELECTRIC PANEL			

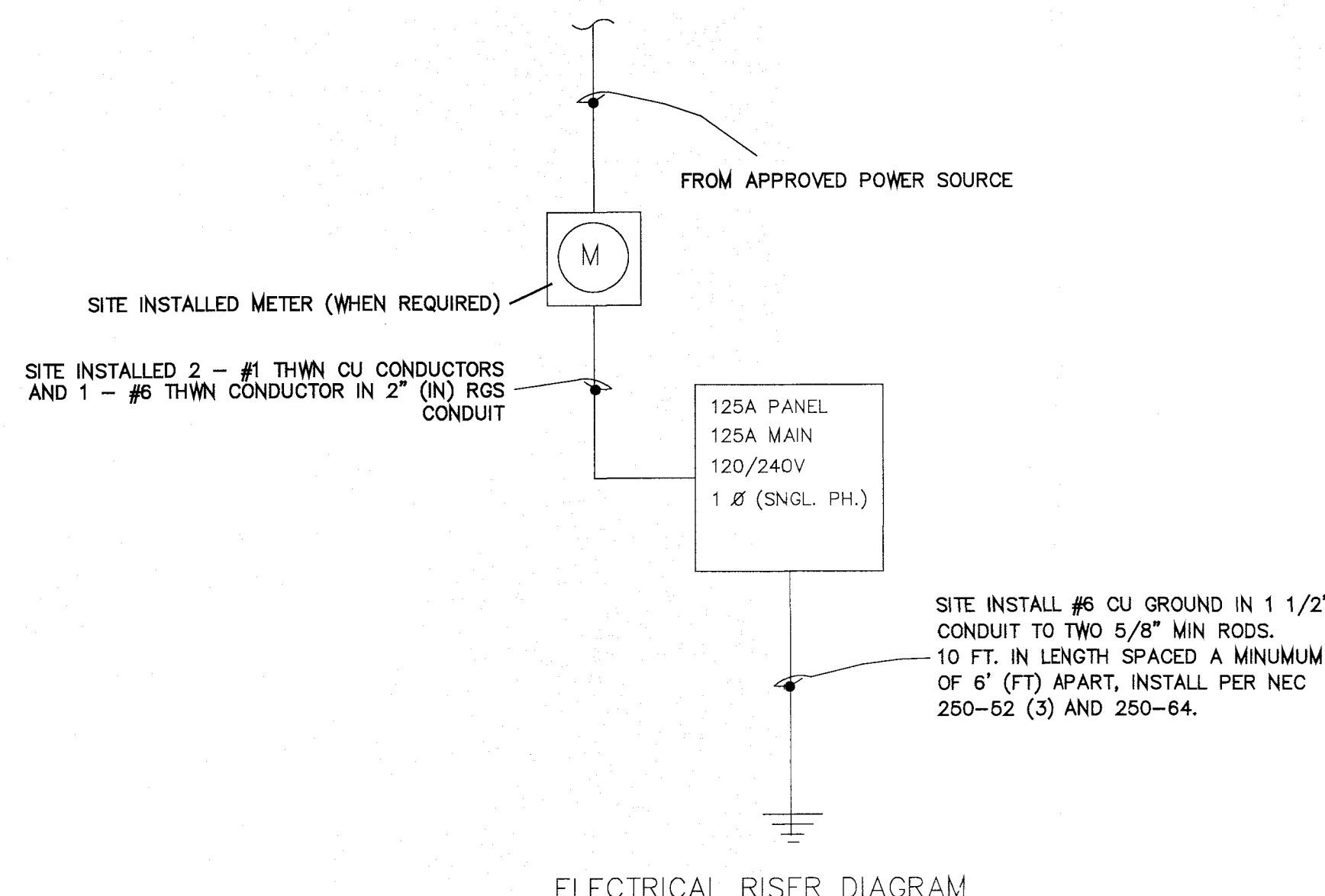
ELECTRICAL LEGEND	
⊕ DUPLEX RECEPT @ 16" A.F.F.	⊙ EXHAUST FAN
⊕ DUPLEX RECEPT @ 42" A.F.F.	⊙ EXHAUST FAN / LIGHT
⊕ RECEPT 220 VOLT	⚡ EMERGENCY LIGHT
⊕ QUAD RECEPT @ 16" A.F.F.	⊠ J BOX FOR MANUAL PULL STATION
⊕ SWITCH	⊠ 12" X 12" SUPPLY AIR REGISTER
⊕ PHONE JACK @ 42" A.F.F.	⊕ THERMOSTAT
⊕ PHONE JACK @ 16" A.F.F.	⊠ 12" X 12" RETURN AIR
⊕ DATA OUTLET @ 16" A.F.F.	⊠ EXIT SIGNAGE LIGHTING, CEILING MNT
⊕ INCANDESCENT LIGHT 15/25W MAX	⊠ EMERGENCY / EXIT LIGHTING COMBO
⊕ EYEBALL LIGHT 40W MAX	⊠ FLUORESCENT FIXTURE OR LED EQUIVALENT
⊕ WATER PROOF PORCH LIGHT 60W MAX W/ PHOTO CELL	⊠ EEMAX W/H
⊕ FIRE ALARM PULL STATION	⊠ FIRE ALARM STROBE
⊕ FIRE ALARM HORN STROBE	⊠ INTERCOM SPEAKER
⊕ SMOKE DETECTOR	⊠ INTERCOM CALL SWITCH

FLOOR PLAN
SCALE: 3/8" = 1'-0"

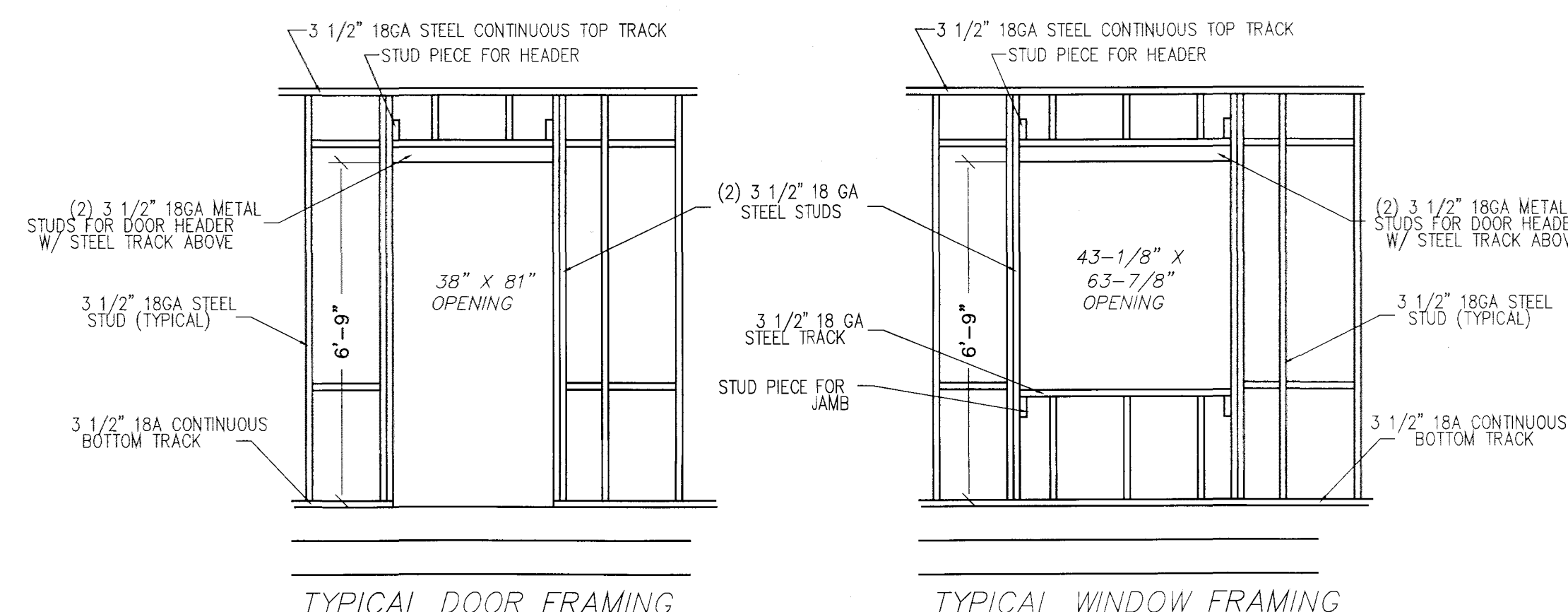
NOTE:
THE EXTERIOR WALLS OF THIS UNIT HAVE BEEN CONSTRUCTED TO PROVIDE A 1 HOUR FIRE RATING. THE SIDING PANELS HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E119 AND HAVE BEEN APPROVED UNDER ASSEMBLY #: NDI5328-103870.

DOOR SCHEDULE						
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	COMMENTS
①	36x80	STEEL/STEEL W/9"x40" V.B.	1	DBL 2x4	1	FL # 6378 R1 / 1 OPTIONAL
HARDWARE: CLASSROOM FUNCTION LOCK SET, CLOSER, & ADA THRESHOLD						

WINDOW SCHEDULE						
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	COMMENTS
②	41X60	VS/BRONZE/WHITE/CLEAR	2	DBL 2x4	1	FL # 10970 1



ELECTRICAL RISER DIAGRAM



TYPICAL FRAMING
SCALE: 3/8" = 1'-0"

CLERMONT, RUTHERFORD & ASSOC.
DBPR PLAN REVIEW
18002 06 6/5/2018

CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

REVISION DATE:
03-30-2018

DATE: 06-02-2018
DRAWN: R.L.G.
JOB #: MPD-1518
SHEET NO. A1

MODULAR STRUCTURE FOR:
Mobile Modular
(24' X 36')

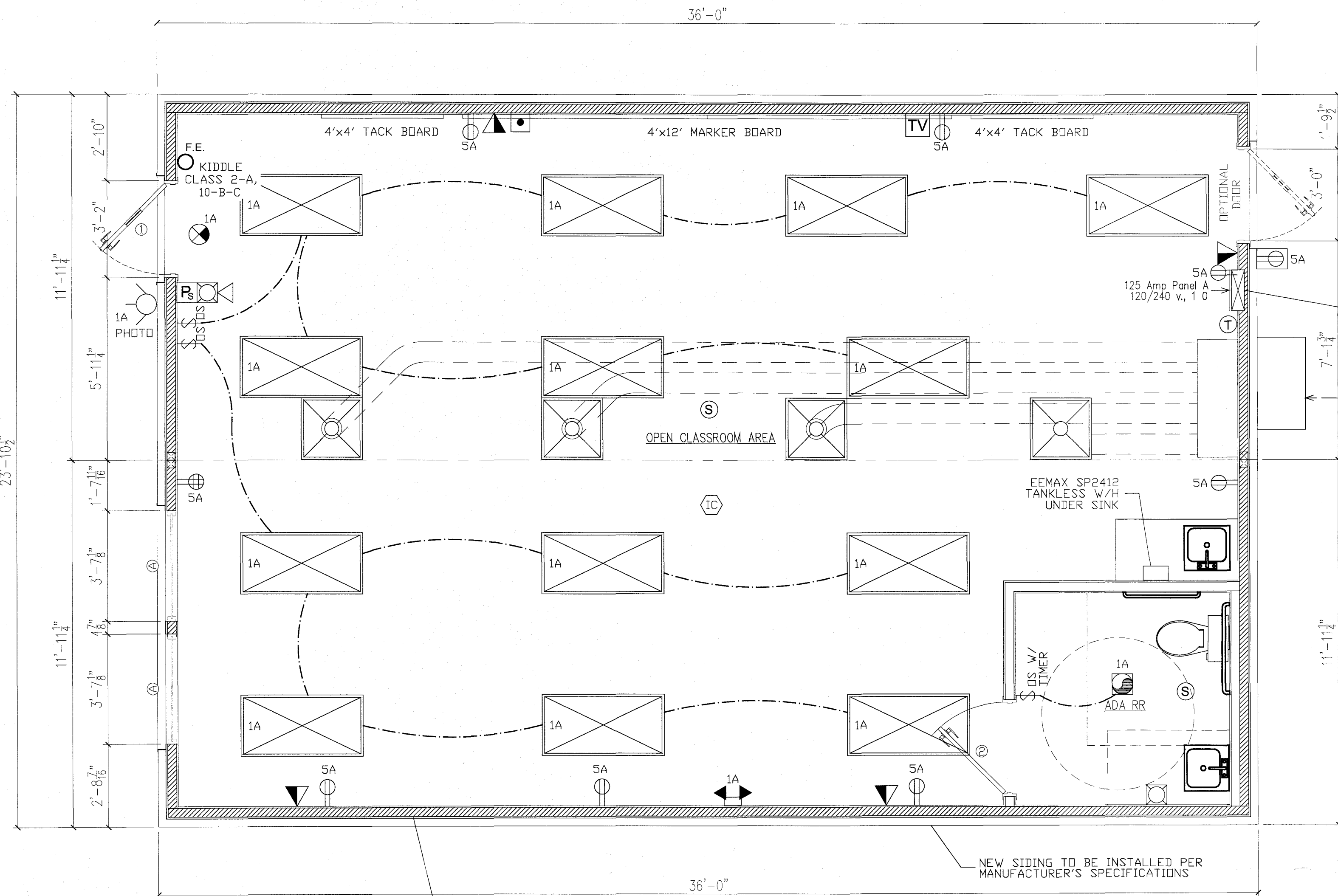
MODULAR PLANS DESIGN, CO.

MODULAR PLANS DESIGN, CO.

1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA 33803

mobile modular
Your Project - Our Commitment

PH: 863-688-1054
FAX: 863-688-7118
MODULARPLANS@TAMPABAYRR.COM



FLOOR PLAN
SCALE: 3/8" = 1'-0"

SIDEWALL TO BE CONSTRUCTED IN ACCORDANCE WITH UL# U423 SEE SHEET A12 FOR UL DETAIL (TYP. ON ALL EXTERIOR WALLS)

NOTE:
THE EXTERIOR WALLS OF THIS UNIT HAVE BEEN CONSTRUCTED TO PROVIDE A 1 HOUR FIRE RATING. THE SIDING PANELS HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E119 AND HAVE BEEN APPROVED UNDER ASSEMBLY #: N015328-103870.

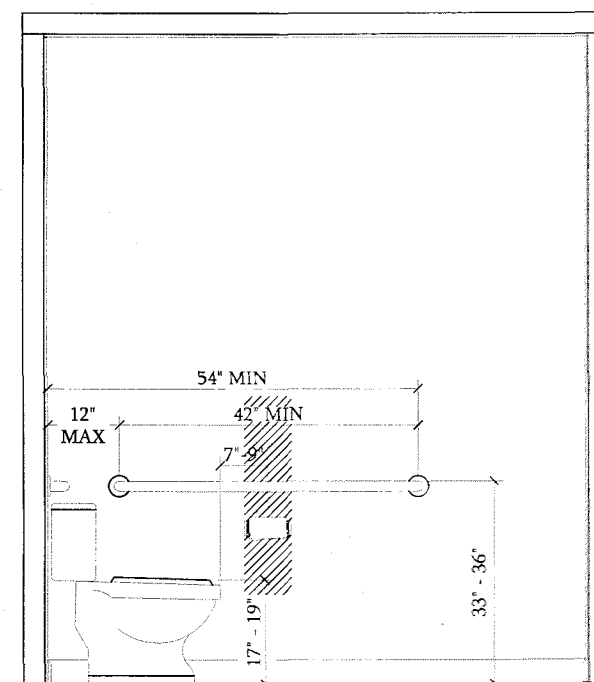
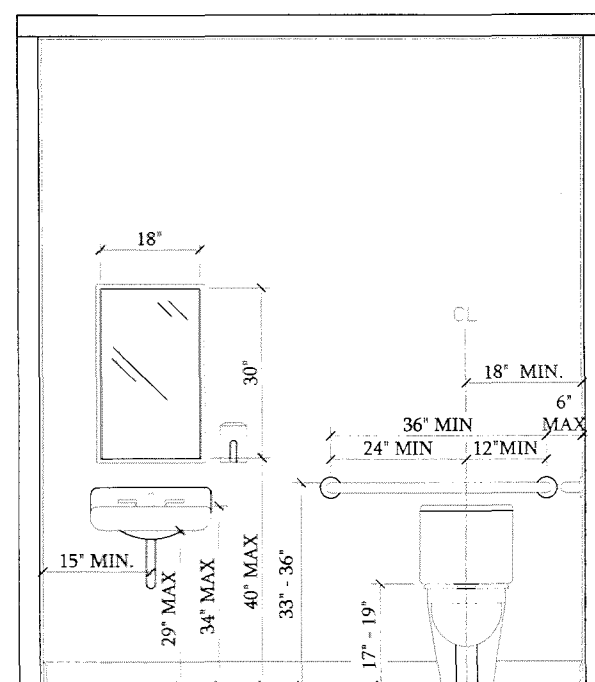
ELECTRICAL PANEL "A" SIZING			
DESCRIPTION			
.0035 KW SF X 864 SF X 125			3.78
1 HVAC @ 10.9 KW			10.9
9 RECEPTS @ 180 VA / 1000			1.62
1 EMAX W/H @ 2.4 KW X 125			3.0
1 FANS @ .3 KW X 125			0.38
TOTAL 19.68 KW			
TOTAL / 240 X 1000 92.00 AMPS			
INSTALL 125 AMP PANEL 120 / 240V 10			

ELECTRICAL SCHEDULE			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE SIZE CU, MC W/G.
2 & 4	HVAC	60A 2P	6-2
1	LIGHTING	20A 1P	12-2
5	RECEPTS	20A 1P	12-2
6	EMAX W/H	PER MFRS SPEC	
ALL PORTABLE APPLIANCES, INCLUDING W/H TO HAVE DISCONNECT IF NOT WITHIN VIEW OF ELECTRIC PANEL			

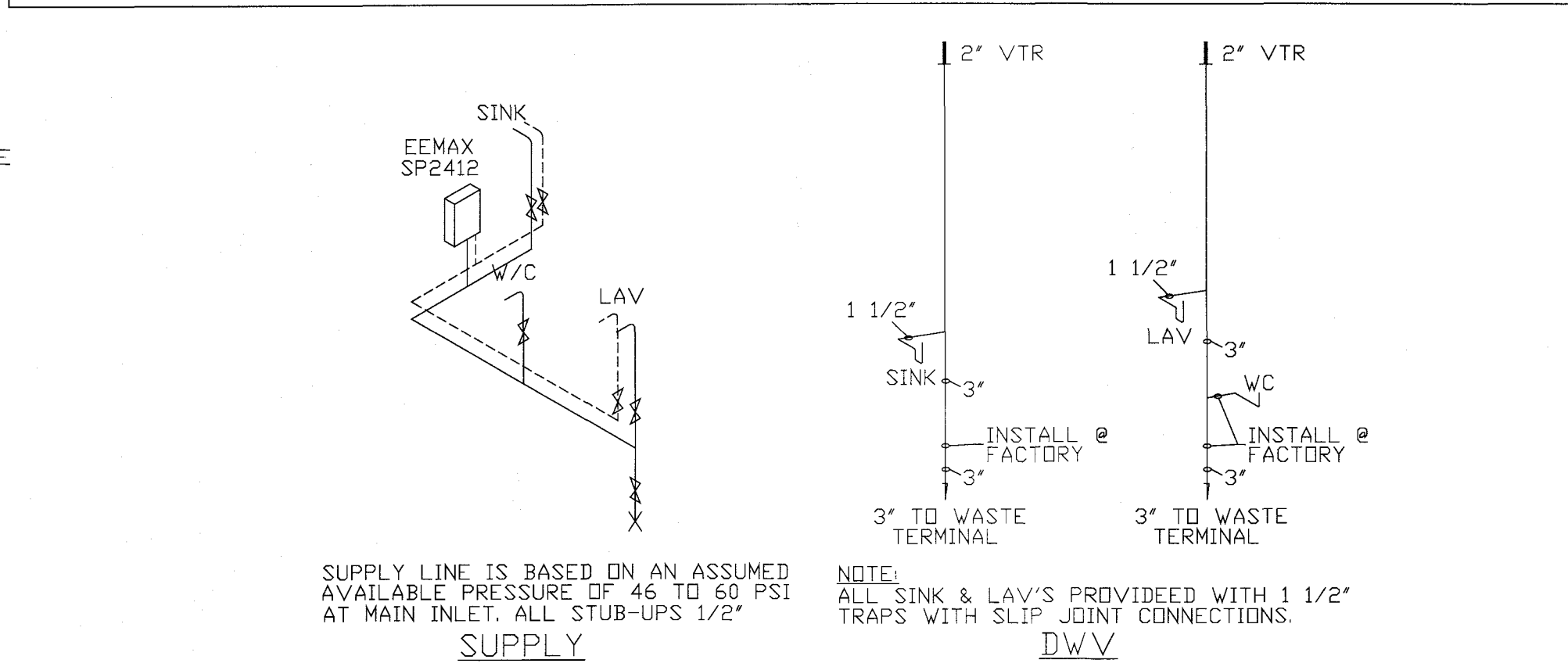
ELECTRICAL LEGEND	
⊕ DUPLEX RECEPT @ 16" A.F.F.	⊙ EXHAUST FAN
⊕ DUPLEX RECEPT @ 42" A.F.F.	⊕ EXHAUST FAN / LIGHT
⊕ RECEPT 220 VOLT	⊕ EMERGENCY LIGHT
⊕ QUAD RECEPT @ 16" A.F.F.	⊕ J BOX FOR MANUAL PULL STATION
⊕ SWITCH	⊕ 12" X 12" SUPPLY AIR REGISTER
⊕ PHONE JACK @ 42" A.F.F.	⊕ THERMOSTAT
⊕ PHONE JACK @ 16" A.F.F.	⊕ 12" X 12" RETURN AIR
⊕ DATA OUTLET @ 16" A.F.F.	⊕ EXIT SIGNAGE LIGHTING, CEILING MNT
⊕ INCANDESCENT LIGHT 15/25W MAX	⊕ EMERGENCY / EXIT LIGHTING COMBO
⊕ EYEBALL LIGHT 40W MAX	⊕ FLUORESCENT FIXTURE OR LED EQUIVALENT
⊕ WATER PROOF PORCH LIGHT 60W MAX W/ PHOTO CELL	⊕ EEMAX W/H
⊕ FIRE ALARM PULL STATION	⊕ FIRE ALARM STROBE
⊕ FIRE ALARM HORN STROBE	⊕ INTERCOM SPEAKER
⊕ SMOKE DETECTOR	⊕ INTERCOM CALL SWITCH

WATER CLOSETS SERVING CHILDREN AGES 3 THROUGH 12			
	AGES 3 & 4	AGES 5 THRU 8	AGES 9 THRU 12
W/C CENTERLINE	12 INCHES	12 TO 15 INCHES	15 TO 18 INCHES
TOILET SEAT HEIGHT	11 TO 12 INCHES	12 TO 15 INCHES	15 TO 17 INCHES
GRAB BAR HEIGHT	18 TO 20 INCHES	20 TO 25 INCHES	25 TO 27 INCHES
DISPENSER HEIGHT	14 INCHES	14 TO 17 INCHES	17 TO 19 INCHES

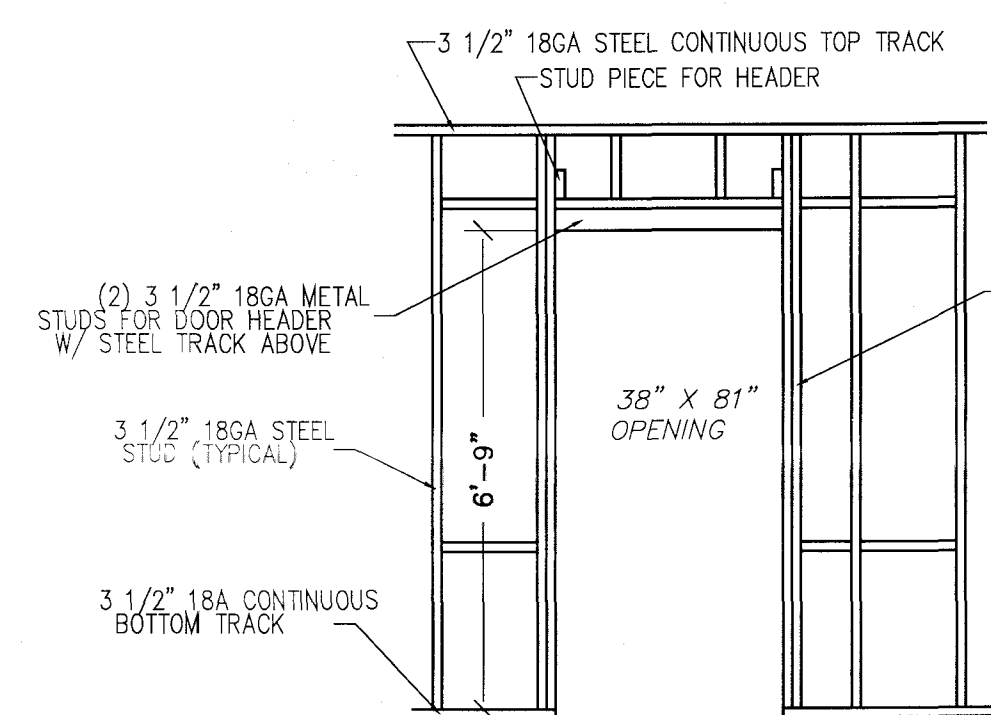
TYPICAL ADA RESTROOM DIMENSIONS	
LAVATORY CLEARANCE WIDTH - 30"	WATER CLOSET CLEARANCE WIDTH - 60"
LAVATORY CLEARANCE LENGTH - 48"	WATER CLOSET CLEARANCE DEPTH - 56"
LAVATORY CENTERLINE FROM SIDE WALL - 18"	WATER CLOSET CENTERLINE FROM SIDE WALL - 18"
TOP OF LAVATORY HEIGHT - 34" MAX	WATER CLOSET SEAT HEIGHT - 17"-19"
BOTTOM OF LAVATORY HEIGHT - 29" MAX	GRAB BAR HEIGHTS - 33"-36" (TO TOP)
MIRROR HEIGHT - 40" MAX (TO BOTTOM OF REFLECTIVE SURFACE)	REAR GRAB BAR LENGTH - 36" MIN
DOOR CLEARANCE - 32" MIN. OPENING	REAR GRAB BAR TO CORNER - 12" MAX
DOOR HANDLE HEIGHT - 34"-48"	SIDE GRAB BAR LENGTH - 42" MIN
DISPENSER HEIGHT - 15"-48"	SIDE GRAB BAR TO CORNER - 12" MAX
	DISPENSER TO WATER CLOSET - 7"-9"



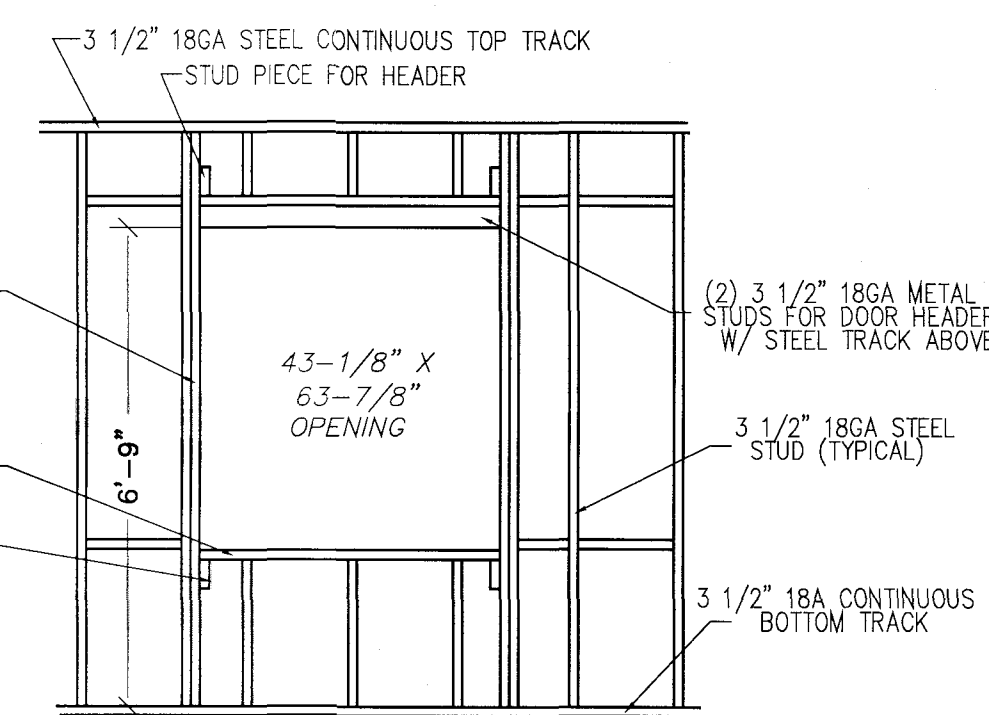
DOOR SCHEDULE						
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	KINGS
1	36x80	STEEL/STEEL W/9"x40" V.B.	1	DBL 2x4	1	1
HARDWARE: CLASSROOM FUNCTION LOCK SET, CLOSER, & ADA THRESHOLD						
2	36x80	S.C. - PRE-HUNG STAINED	1	SGL 2x4	0	2
HARDWARE: PRIVACY LOCKSET						



PLUMBING RISER
SCALE: 3/8" = 1'-0"

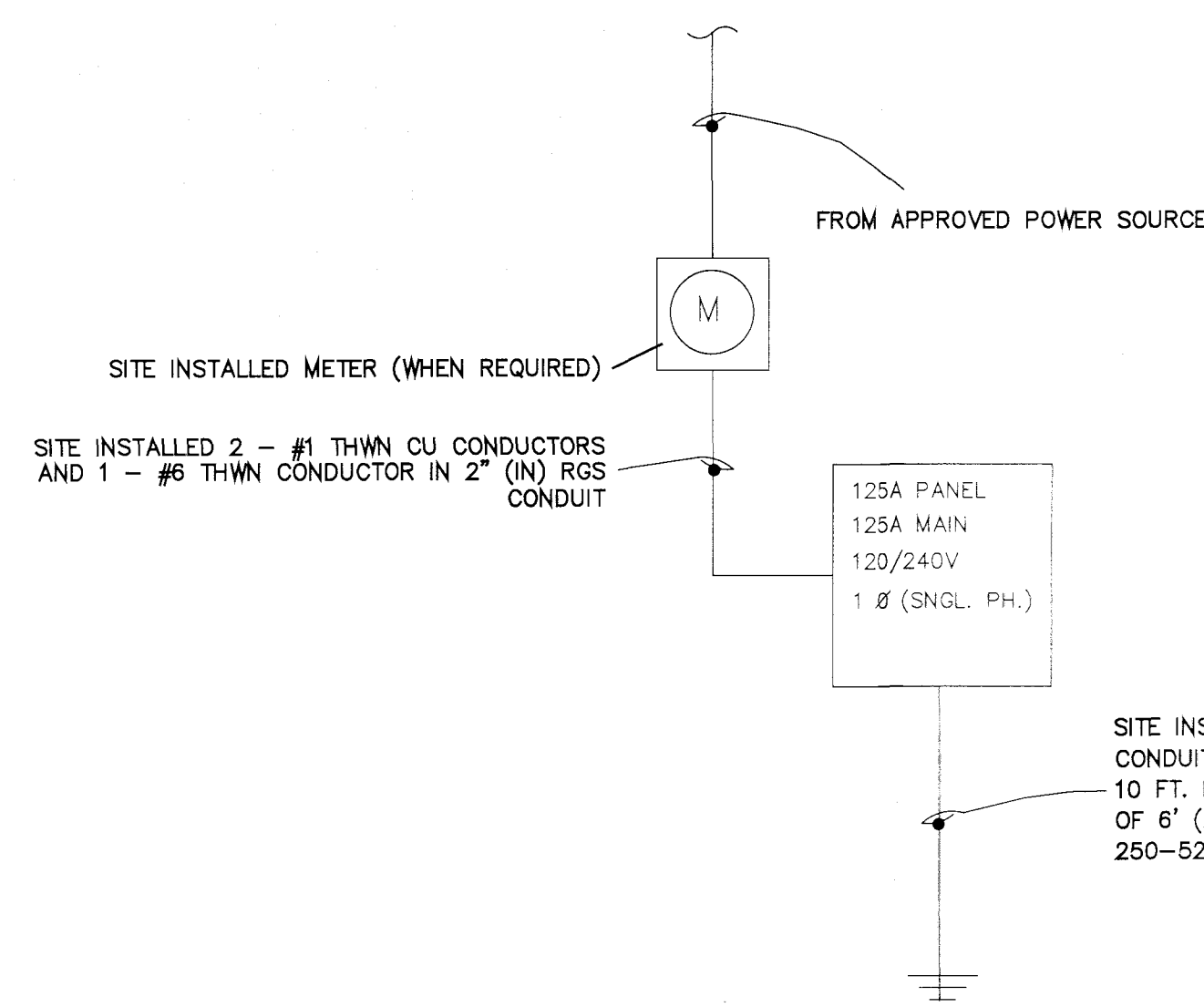


TYPICAL DOOR FRAMING



TYPICAL WINDOW FRAMING

TYPICAL FRAMING
SCALE: 3/8" = 1'-0"



ELECTRICAL RISER DIAGRAM

CLERMONT, RUTHERFORD & ASSOC.
DBPR PLAN REVIEW
18002.06 6/5/2018

CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

REVISION DATE:
03-30-2018

MODULAR STRUCTURE FOR:
Mobile Modular
(24' X 36')

DATE: 06-04-2018

DRAWN: R.L.G.

JOB #: MPD-1518

SHEET NO.

A1.1

MODULAR PLANS DESIGN, CO.

1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA 33803
PH: 883.688.1054
FAX: 883.688.1118
MODULARPLANS@TAMPABAY.RR.COM

MODULAR PLANS DESIGN, CO.

mobile modular
Your Project - Our Commitment

Design No. U423

March 07, 2012

Bearing Wall Ratings : 45 min, 1, 1-1/2 or 2 Hr (See Items 5 & 7)
Load Restricted for Canadian Applications —See Guide BXUV7

1. Floor and Ceiling Runners : (Not shown) : Channel shaped, fabricated from min 0.0329 in. bare metal thickness (No. 20 MSG) corrosion-protected steel, that provide a sound structural connection between steel studs and adjacent assemblies such as floors, ceilings and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC.

1A. Floor and Ceiling Runners : (Not shown, As an alternate to Item 1, For Use With Item 5A and 5C) —Channel shaped runners min 3-1/2 in. deep with 1-1/4 in. flanges fabricated from min No. 20 MSG corrosion-protected steel. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC.

2. Steel Studs : Min 0.0329 in. bare metal thickness (No. 20 MSG) corrosion-protected steel studs, min 3-1/2 in. wide, cold formed, designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing shall not exceed 24 in. OC. Studs attached to floor and ceiling runners with 1/2 in. long Type S-12 steel screws on both sides of the studs or by welded or bolted connections designed in accordance with the AISI specifications.

2A. Steel Studs : (As an alternate to Item 2, For use with Item 5A and 5C) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners.

2B. Steel Studs : (As an alternate to Item 2 and 2A, For Use With Item 5B) - Min 0.0329 in. (No. 20 MSG) corrosion-protected cold formed steel studs, min 3-1/2 in. deep by 1-5/8 in. wide with 1/2 in. returns. Braced at mid-height and designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing shall not exceed 24 in. OC. Studs attached to floor and ceiling runners with 1/2 in. long Type S-12 steel screws on both sides of the studs or by welded or bolted connections designed in accordance with the AISI specifications.

2C. Framing Members - Steel Studs : (As an alternate to Item 2, For use with Item 5C) Channel shaped, fabricated from min 20 MSG (0.0327 in. thick) corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

3. Lateral Support Members : (Not shown) —Where required for lateral support of studs, support shall be provided by means of steel straps, channels or other similar means as specified in the design of a particular steel stud wall system.

4. Wood Structural Panel Sheathing : (Optional, For use with Item 5 only)~ (Not Shown) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DDC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, fastener lengths for gypsum panels increased by min. 1/2 in.

The maximum loading on the steel studs was evaluated with the steel studs braced at mid-height and not braced by the plywood sheathing.

5. Gypsum Board* : Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered when load is reduced to 90 percent of max stud capacity. When load is at 100 percent, horizontal edge joints and horizontal butt joints on opposite sides of studs staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. When used in widths other than 48 in., gypsum panels to be installed horizontally. The thickness and number of layers and percent of design load for the 45 min, 1 hr, 1-1/2 hr, and 2 hr ratings are as follows:
Wallboard Protection on Each Side of Wall

Rating	No. of Layers & Thickness	% of Design Load
45 Min	1 layer, 1/2 in. thick	100
1 hr	1 layer, 5/8 in. thick	100
1-1/2 hr	2 layers, 1/2 in. thick	100
2 hr	2 layers, 5/8 in. thick	80
2 hr	2 layers, 5/8 in. thick	100
2 hr	3 layers, 1/2 in. thick	100
2 hr	2 layers, 3/4 in. thick	100

®Rating applicable when Batts and Blankets (Item 7) are used.

5A. Gypsum Board* : (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4) - Nom 5/8 in. or ¾ in. may be used as alternate to all 5/8 in. or ¾ in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or ¾ in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A 8, 8A(a). Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12) or Lead Discs or Tabs (see Item 13).

RAY-BAR ENGINEERING CORP —Type RB-LBG

5B. Gypsum Board* : (As an alternate to Items 5 and 5A,) - Nom 5/8 in. thick gypsum panels with square edges, applied horizontally or vertically. For the hour single layer system when the gypsum board panels are installed horizontally the joints are to be staggered by a minimum of 12 in. on opposite sides of assembly, they are to be secured on each side of the studs with 1-1/4 in. long Type S-12 bugle head steel screws spaced 8 in. OC to the top and bottom tracks and in the field with screws 1 in. and 4 in. from the horizontal joints. When the gypsum board panels are installed vertically all vertical joints must be centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC to the top and bottom tracks and in the field with screws 1 in. and 4 in. from the perimeter. For the 2 hour double layer system when the gypsum board panels are installed horizontally the joints need not be staggered on opposite sides of assembly. Base layer secured on each side of the studs with 1-1/4 in. long Type S-12 bugle head steel screws spaced 16 in. OC to the top and bottom track and in the field with screws beginning 1 in. and 8 in. from the horizontal joints. Face layer horizontal joints staggered 8 in. from base layer joints and secured with 1-5/8 in. long Type S-12 bugle head steel screws spaced 16 in. OC to the top and bottom tracks and in the field with screws beginning 1 in. and 8 in. from the horizontal joints. Face layer screws offset 8 in. from base layer screws. When the gypsum board panels are installed vertically all vertical joints must be centered over studs and staggered min 1 stud cavity on opposite sides of studs. Face layer gypsum boards secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 16 in. OC with screws 2 in. and 16 in. from the perimeter. Base layer gypsum boards secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 16 in. OC with screws 1-1/2 in. and 8 in. from the perimeter. Face layer screws offset 8 in. from base layer screws.

UNITED STATES GYPSUM CO —5/8 in. thick Type USGX (Joint tape and compound, Item 9, optional with Type USGX)

PRODUCT APPROVAL			
PRODUCT CATEGORY	SUB. CATEGORY	MANUFACTURER	STATE OF FLORIDA APPROVAL #:
DOORS	EXTERIOR	FLEMING-BARON	FL#: 14237
WINDOWS	SLIDER	HR WINDOWS	FL#: 14039.1
WINDOWS	SLIDER	HR WINDOWS	NDA#: 16-0505.02
ROOFING	SINGLE PLY ROOFING	GACO WESTERN	NDA# 17-0329.08
EXT. SIDING	SIDING	STRUCTALL	FL#: 19974.1

5C. Gypsum Board* : (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine drillers) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA

5D. Gypsum Board* : (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A 8, 8A(a). Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12A) or Lead Discs (see Item 13A).

MAYCO INDUSTRIES INC —Type X-Ray Shielded Gypsum

5E. Gypsum Board* —(As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4). Nom 5/8 in. may be used as alternate to all 5/8. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A 8, 8A(a). Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grade 'C'.

RADIATION PROTECTION PRODUCTS INC —Type RPP-LBG

6. Fasteners : (Not shown) : For use with Item 5 - Type S-12 steel screws used to attach panels to runners (Item 1 or 1A) and studs (Item 2 or 2A) or Furring channels (Item 8). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 12 in. OC when panels are applied vertically. Two layer systems: First layer~ 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer~ 1-5/8 in. long for 1/2 in. and 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer~ 1 in. long for 1/2 in. thick panels, spaced 24 in. OC. Second layer~ 1-5/8 in. long for 1/2 in. thick panels, spaced 24 in. OC. Third layer~ 2-1/4 in. long for 1/2 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. Batts and Blankets* —(Required as indicated under Item 5) —Nom 2 in. thick mineral wool batts, friction fitted between studs and runners. See Batts and Blankets (BKNV or BJZJ) Categories for names of Classified companies.

7A. Batts and Blankets* —(Optional, not shown) —Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BJZJ) Categories for names of Classified companies.

7B. Batts and Blankets* —(Optional, not shown) —Placed in stud cavities, glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

DWENS CORNING —Type QuietZone Acoustic Batts

8. Furring Channels : (Optional on one or both sides, not shown, for single or double layer systems) —Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 panhead steel screws. Not for use with type FRX-G gypsum panels and Item 5A or 5C.

8A. Steel Framing Members (Not Shown)* —(Optional on one or both sides, not shown, for single or double layer systems) —As an alternate to Item 8, furring channels and Steel Framing Members as described below:

a. Furring Channels —Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Gypsum board attached to furring channels as described in Item 6. Not for use with type FRX-G gypsum panels and Item 5A or 5C.

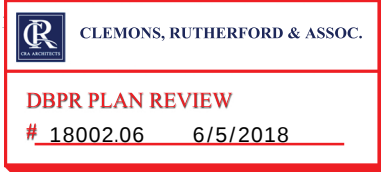
b. Steel Framing Members* —Used to attach furring channels (Item 8a) to studs (Item 2). Clips spaced max. 48 in. OC, and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC —Type RSIC-1.

9. Joint Tape and Compound : Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layers. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

10. Siding, Brick or Stucco —(Optional, not shown) —Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

11. Caulking and Sealants* —(Optional, not shown) —A bead of acoustical sealant applied around the partition perimeter for sound control.



CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

REVISION DATE:

DATE: 03-20-2018

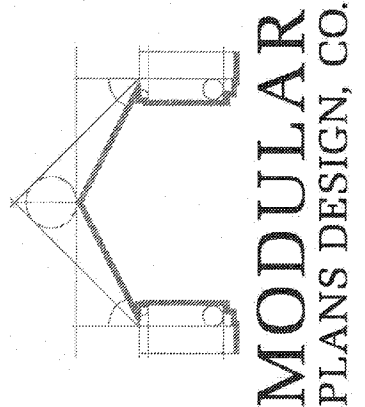
DRAWN: R.L.G.

JOB #: MPD-1518

SHEET NO.

A1.2

© COPYRIGHT 2015-MODULAR PLANS DESIGN, CO.



MODULAR PLANS DESIGN, CO.

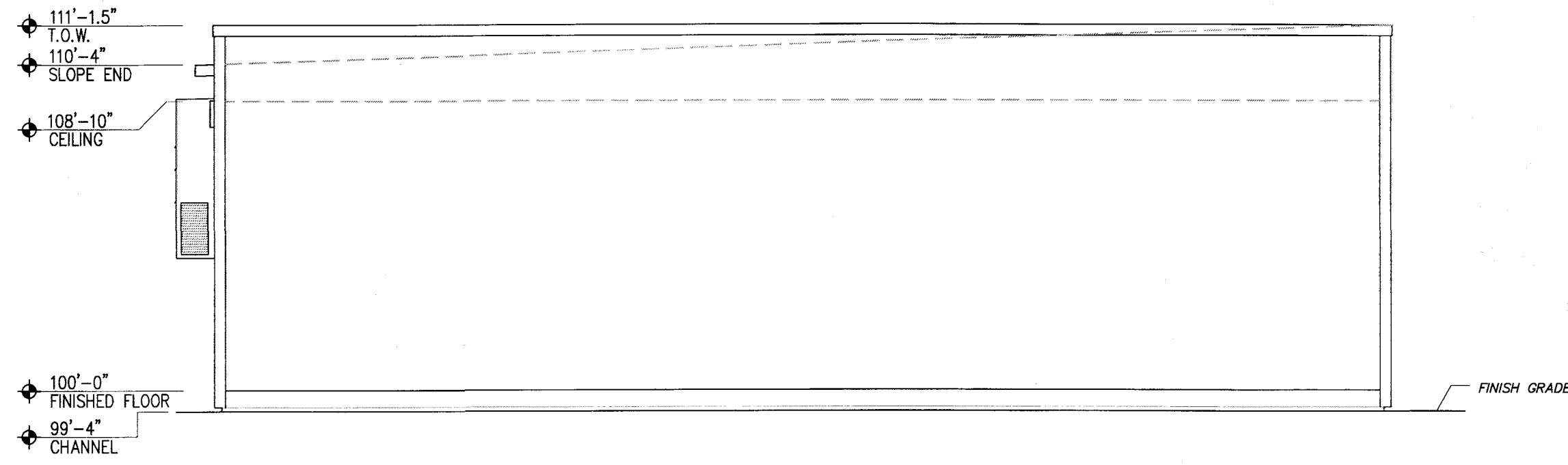
1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA
33803

PH: 863-688-1054
F: 863-688-1054
MODULARPLANS@TAMPABAYFLORIDA.COM

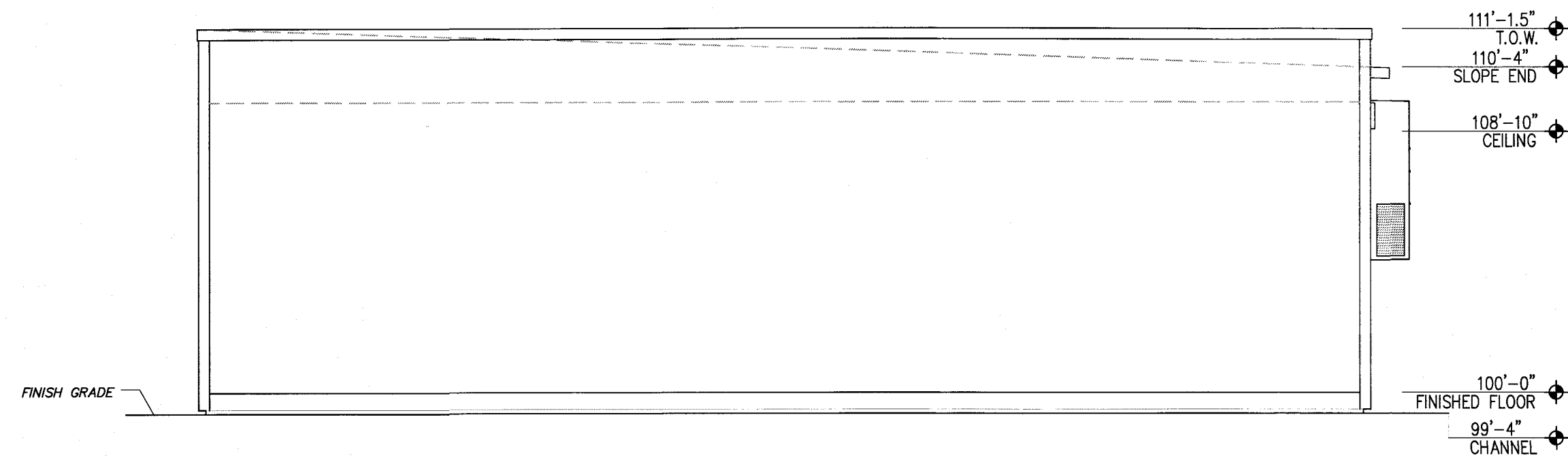


Your Project - Our Commitment

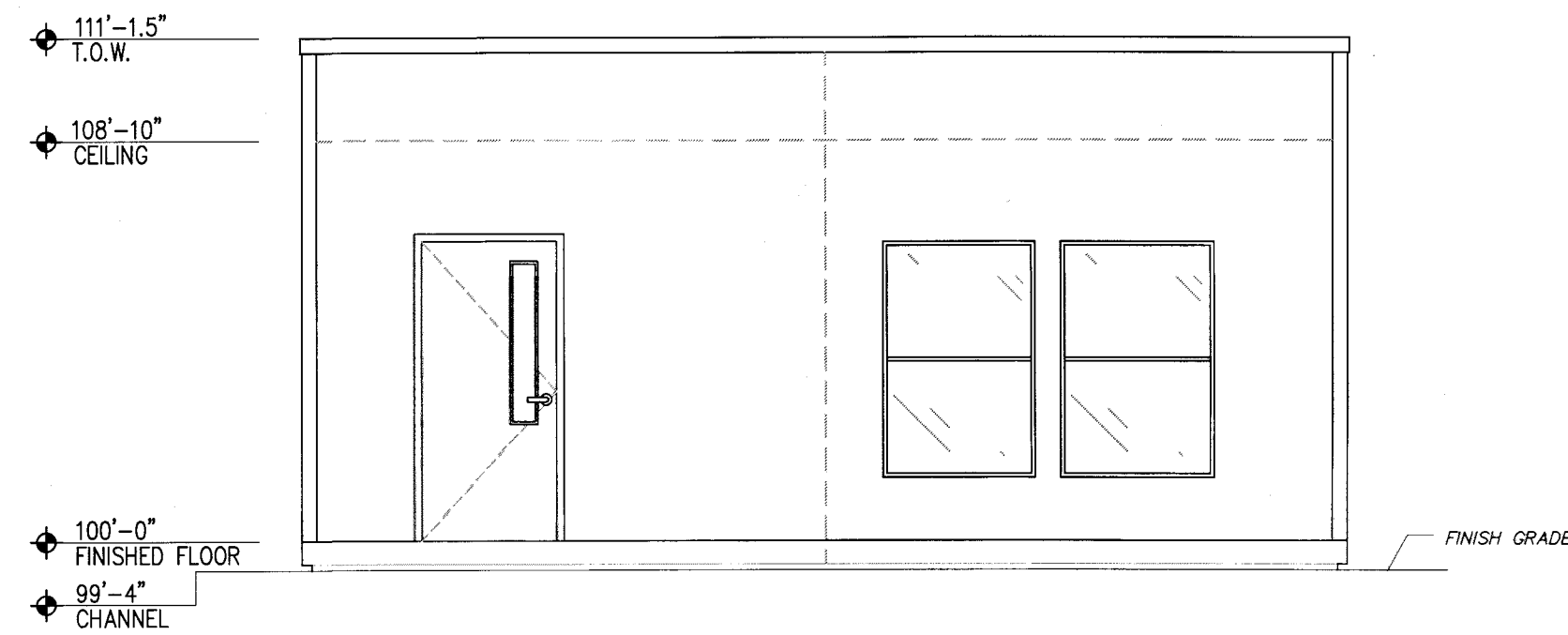
MODULAR STRUCTURE FOR:
Mobile Modular
(24' X 36')



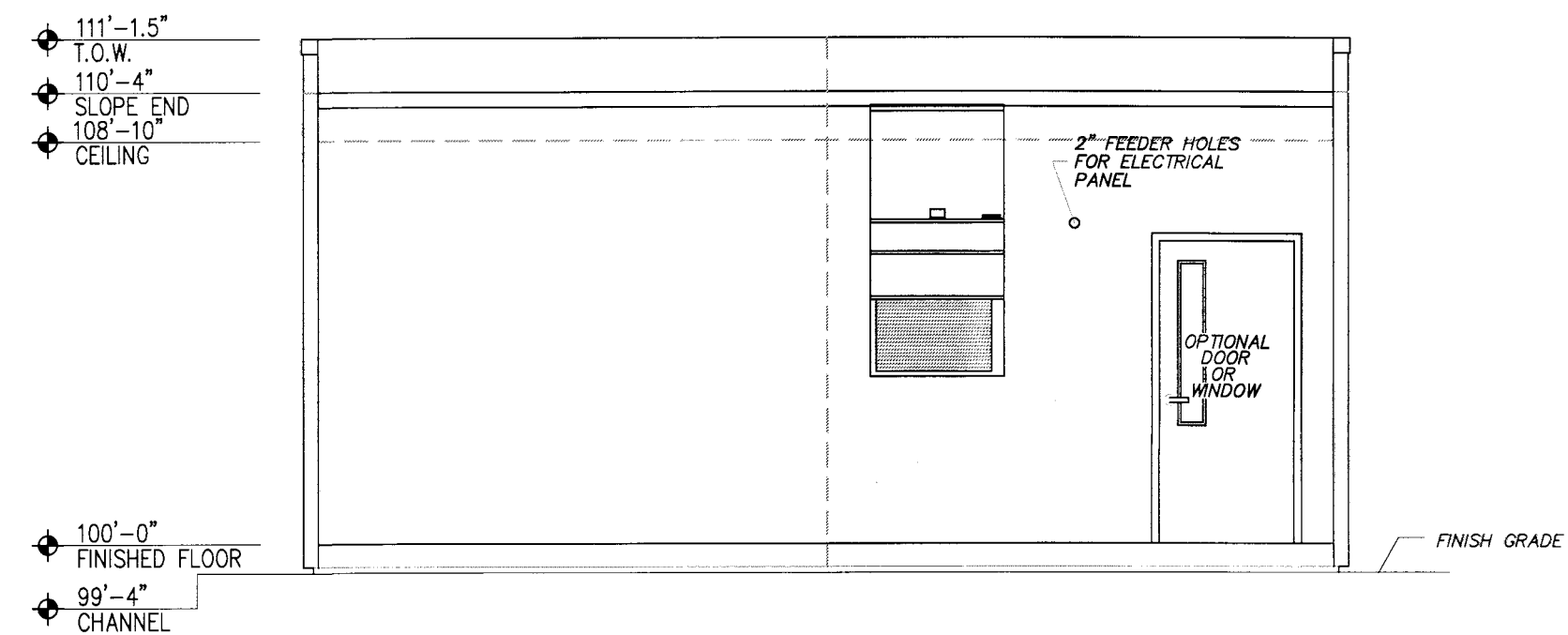
LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



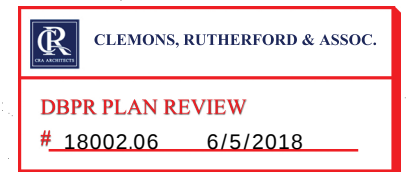
RIGHT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



FRONT ELEVATION
SCALE: 1/4" = 1'-0"



BACK ELEVATION
SCALE: 1/4" = 1'-0"

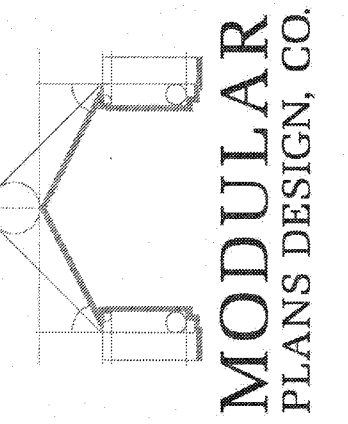


CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

REVISION DATE:	DATE:	03-20-2018
	DRAWN:	R.L.G.
	JOB #:	MPD-1518
	SHEET NO.	A2

3/21/18

MODULAR STRUCTURE FOR:
Mobile Modular
(24' X 36')

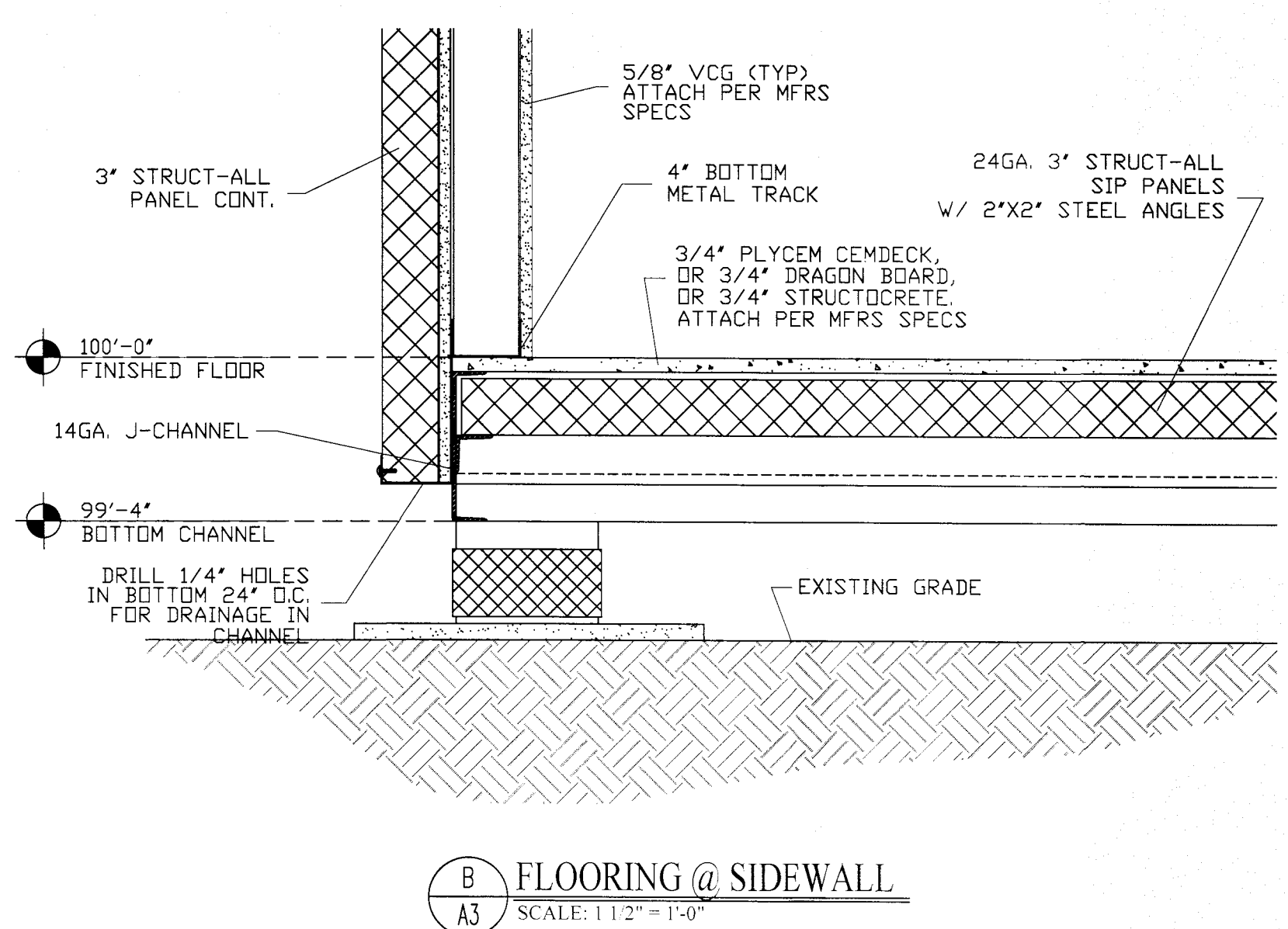
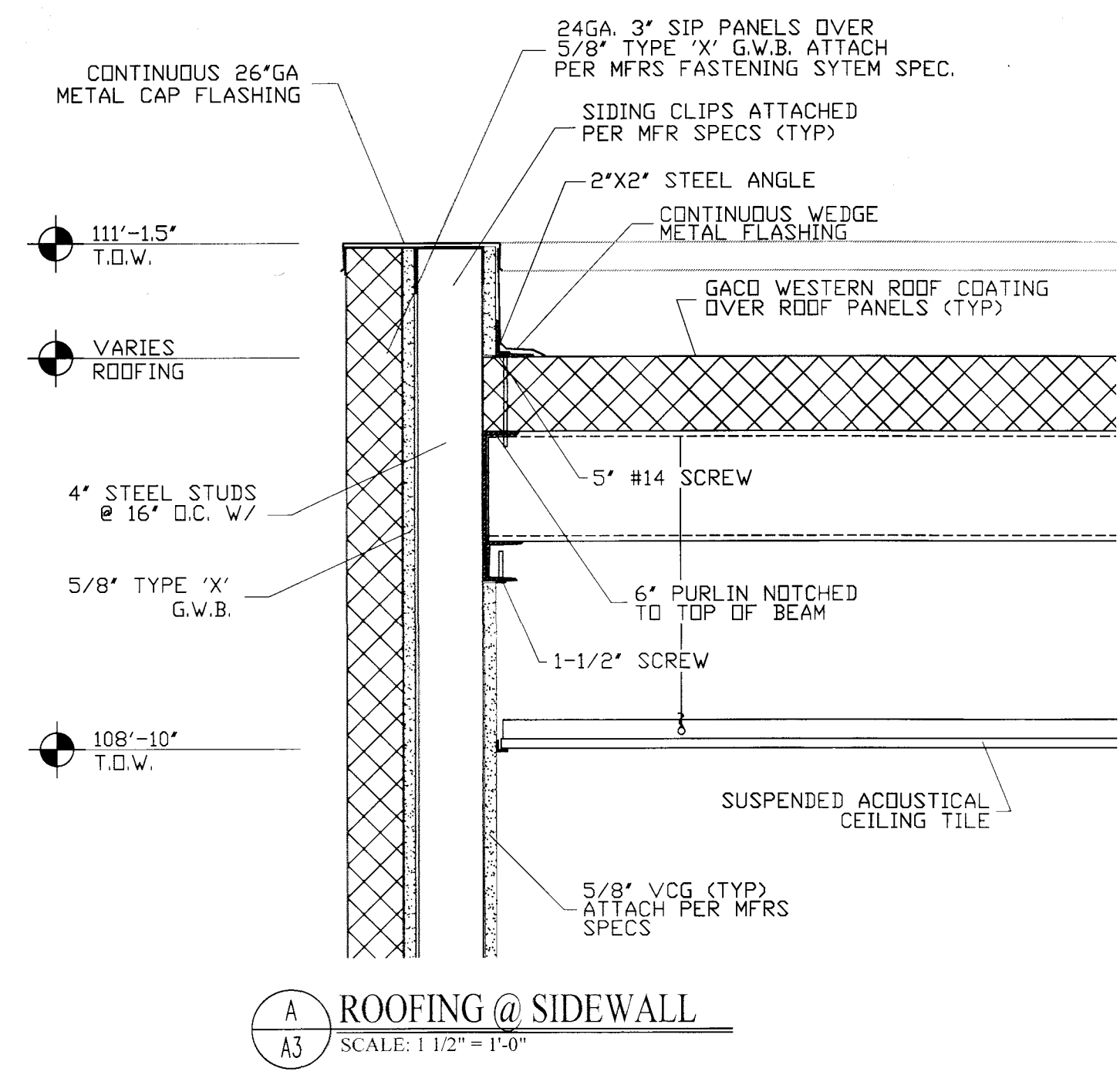
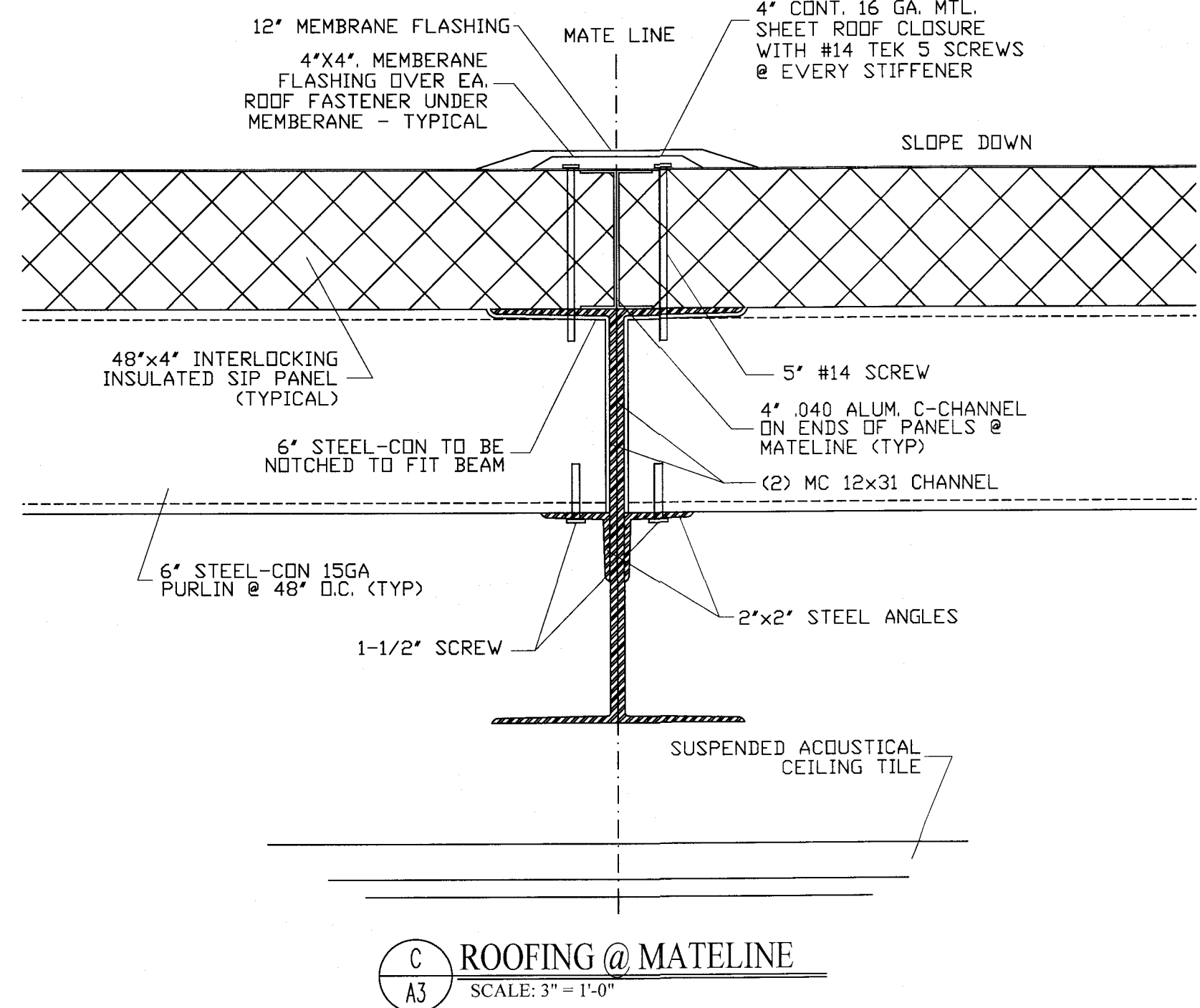
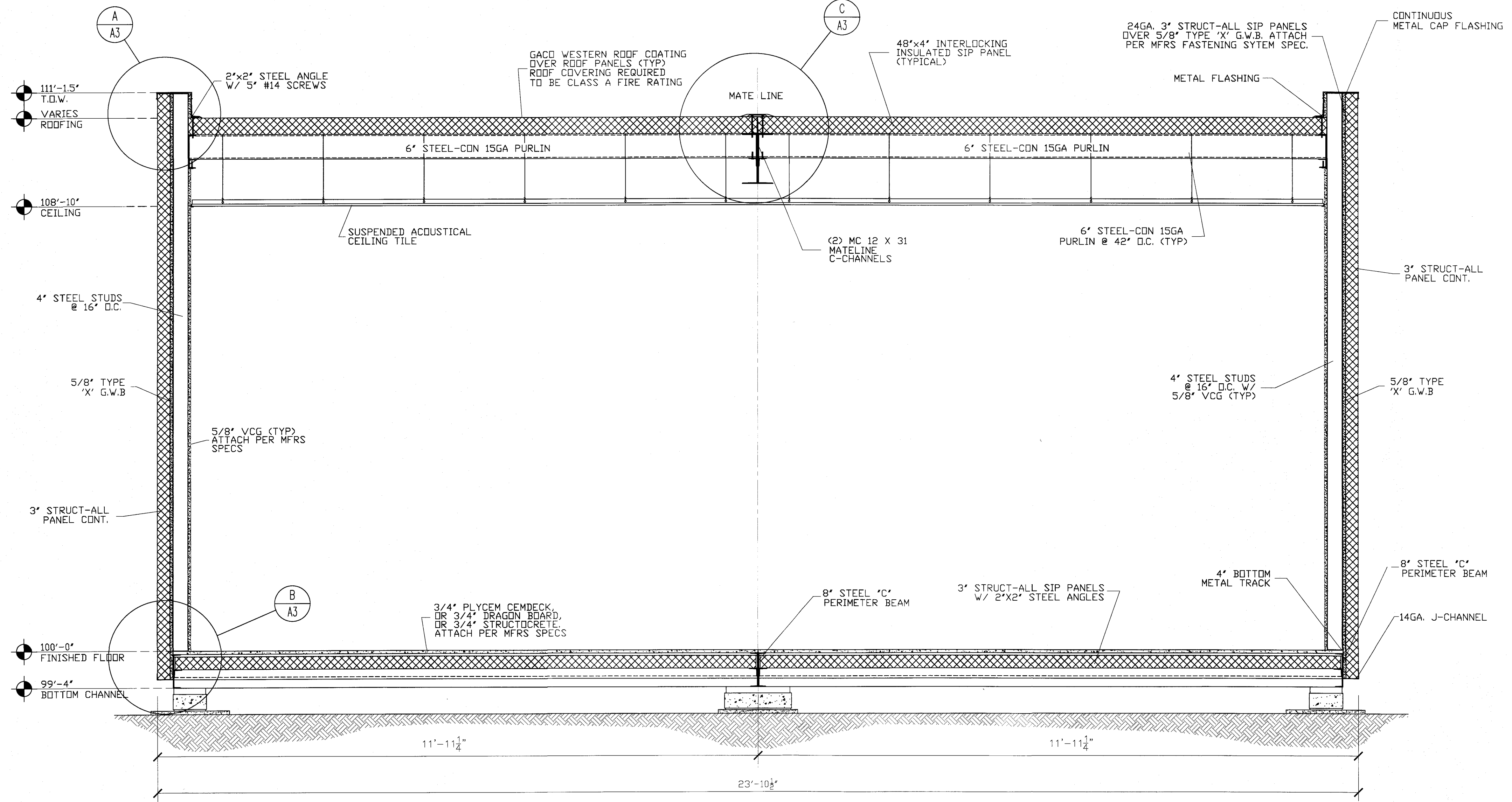


1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA
33803

PH: 863-688-1054
FAX: 863-688-7118
MODULARPLANS@TAMPABAY.FLOR.COM

MODULAR PLANS DESIGN, CO.





CLEMONS, RUTHERFORD & ASSOC.
DBPR PLAN REVIEW
#1800206 6/5/2018

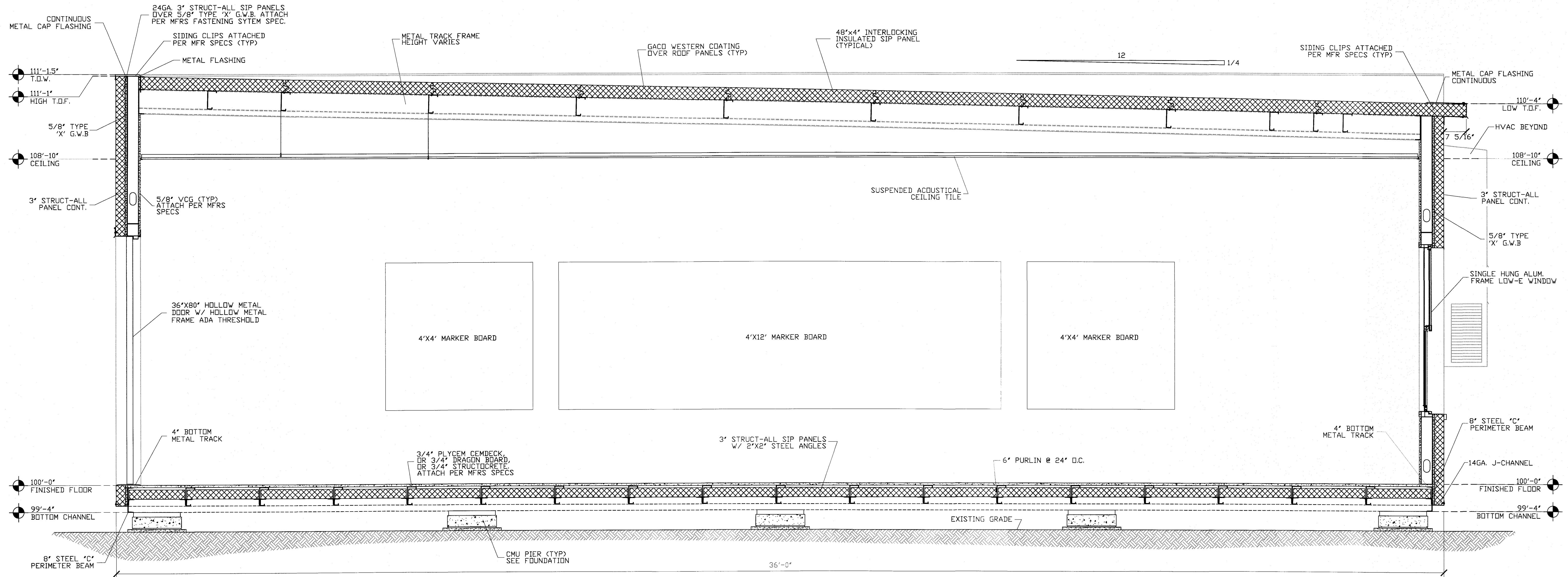
CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

REVISION DATE:

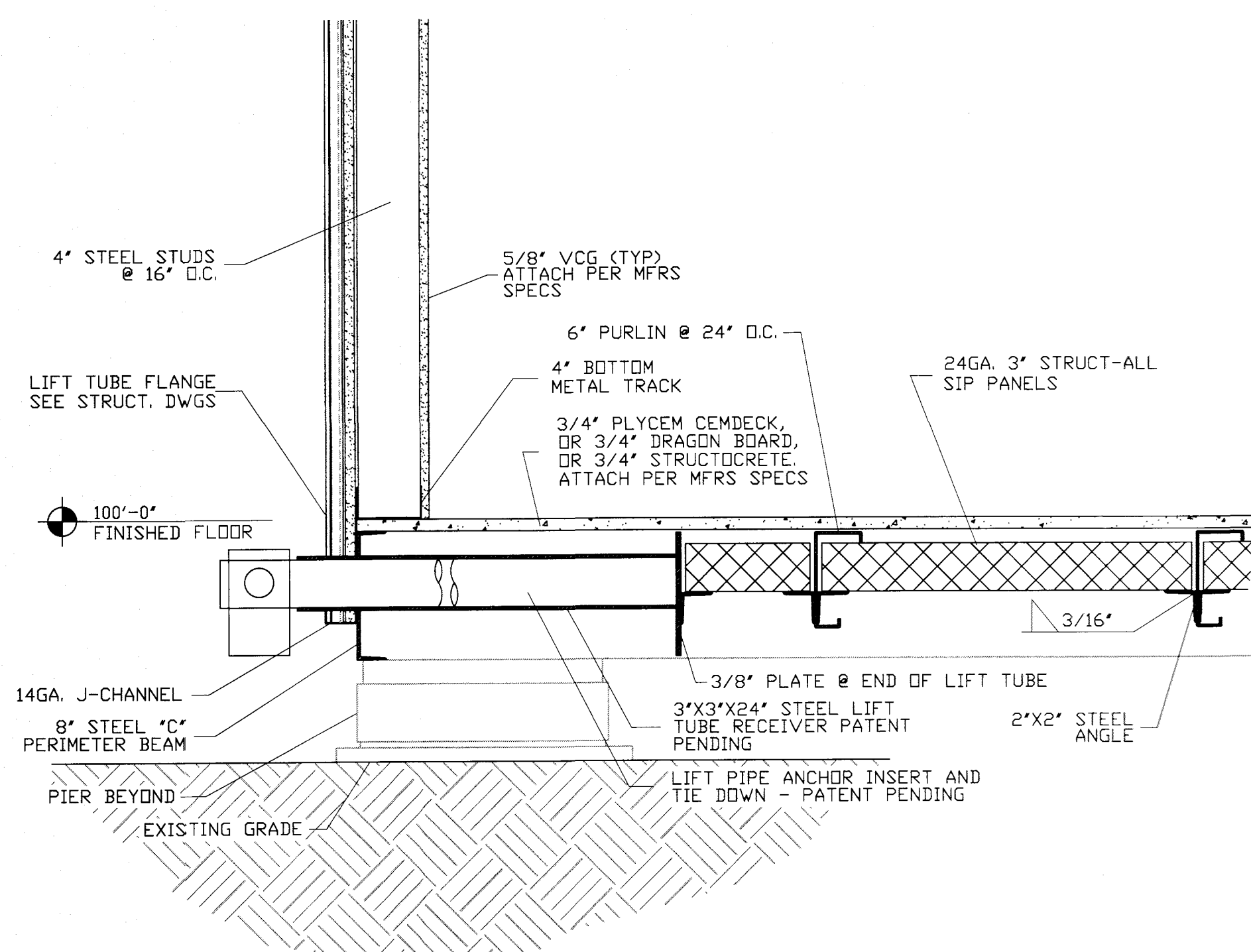
3/21/18

DATE: 03-20-2018
DRAWN: R.L.G.
JOB #: MPD-1518
SHEET NO. A3

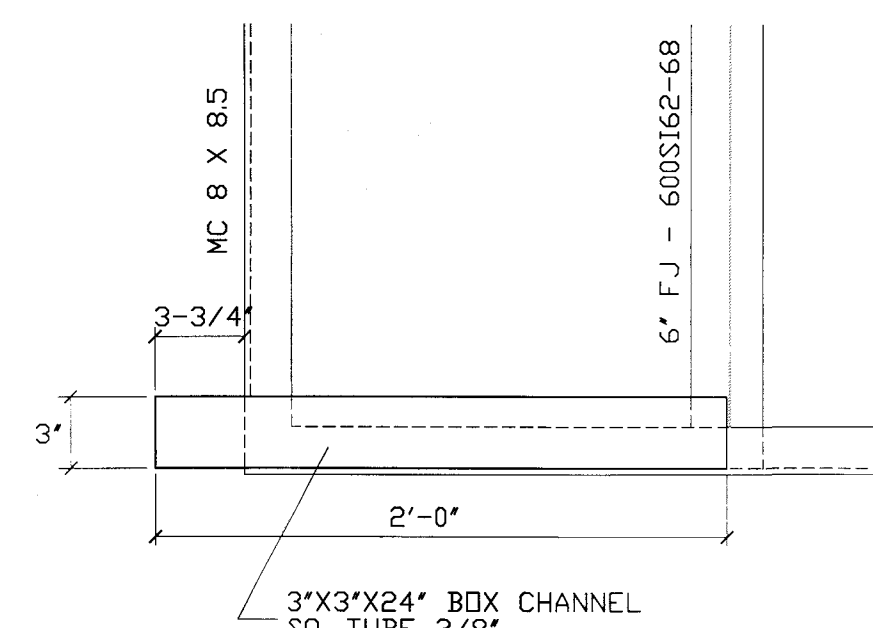
© COPYRIGHT 2015-MODULAR PLANS DESIGN, CO.



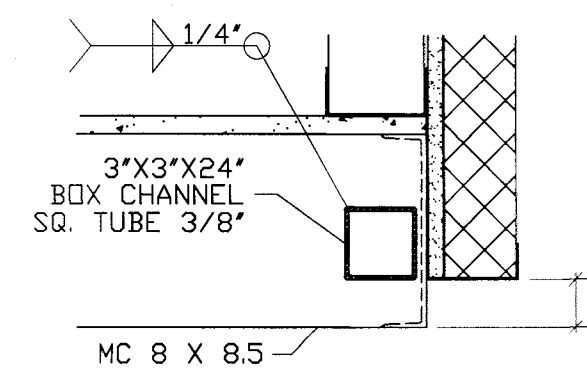
SIDE CROSS SECTION
SCALE: 3/4" = 1'-0"



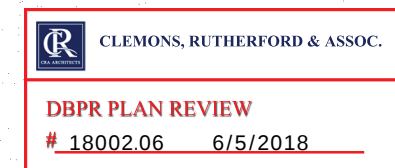
LIFT TUBE RECEIVER @ ENDWALL
SCALE: 1 1/2" = 1'-0"



LIFT TUBE RECEIVER TOP VIEW
SCALE: 1 1/2" = 1'-0"



LIFT TUBE RECEIVER FRONT VIEW
SCALE: 1 1/2" = 1'-0"



CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

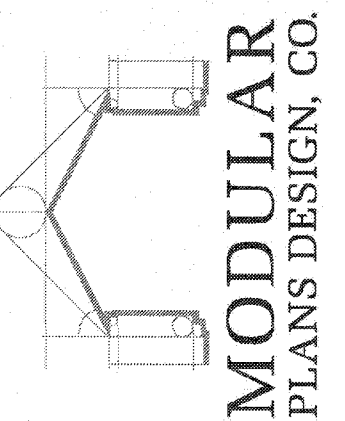
REVISION DATE:

3/21/18

MODULAR STRUCTURE FOR:
Mobile Modular
(24' X 36')

DATE: 03-20-2018
DRAWN: R.L.G.
JOB #: MPD-1518
SHEET NO.
A3.1

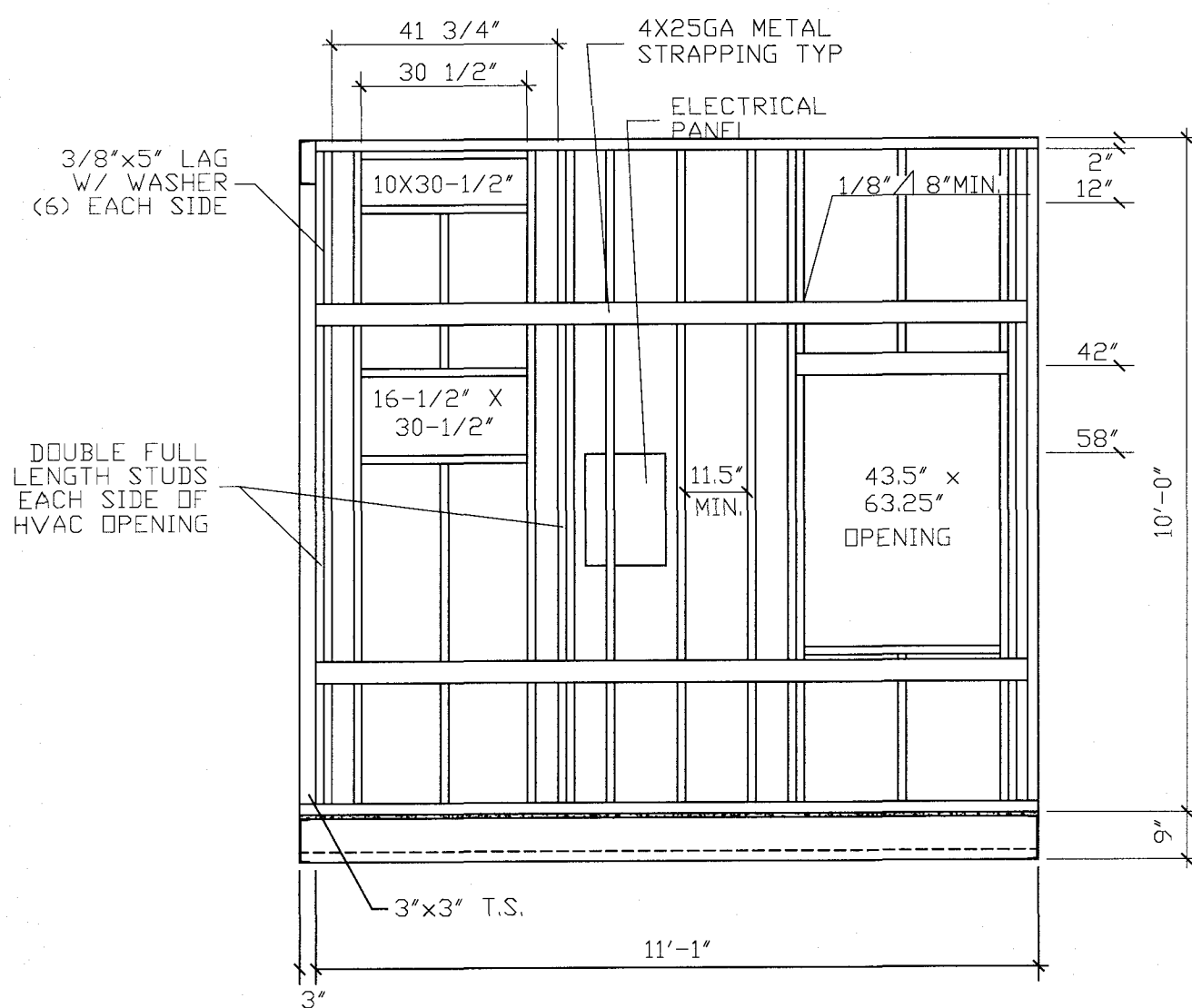
MODULAR PLANS DESIGN, CO.



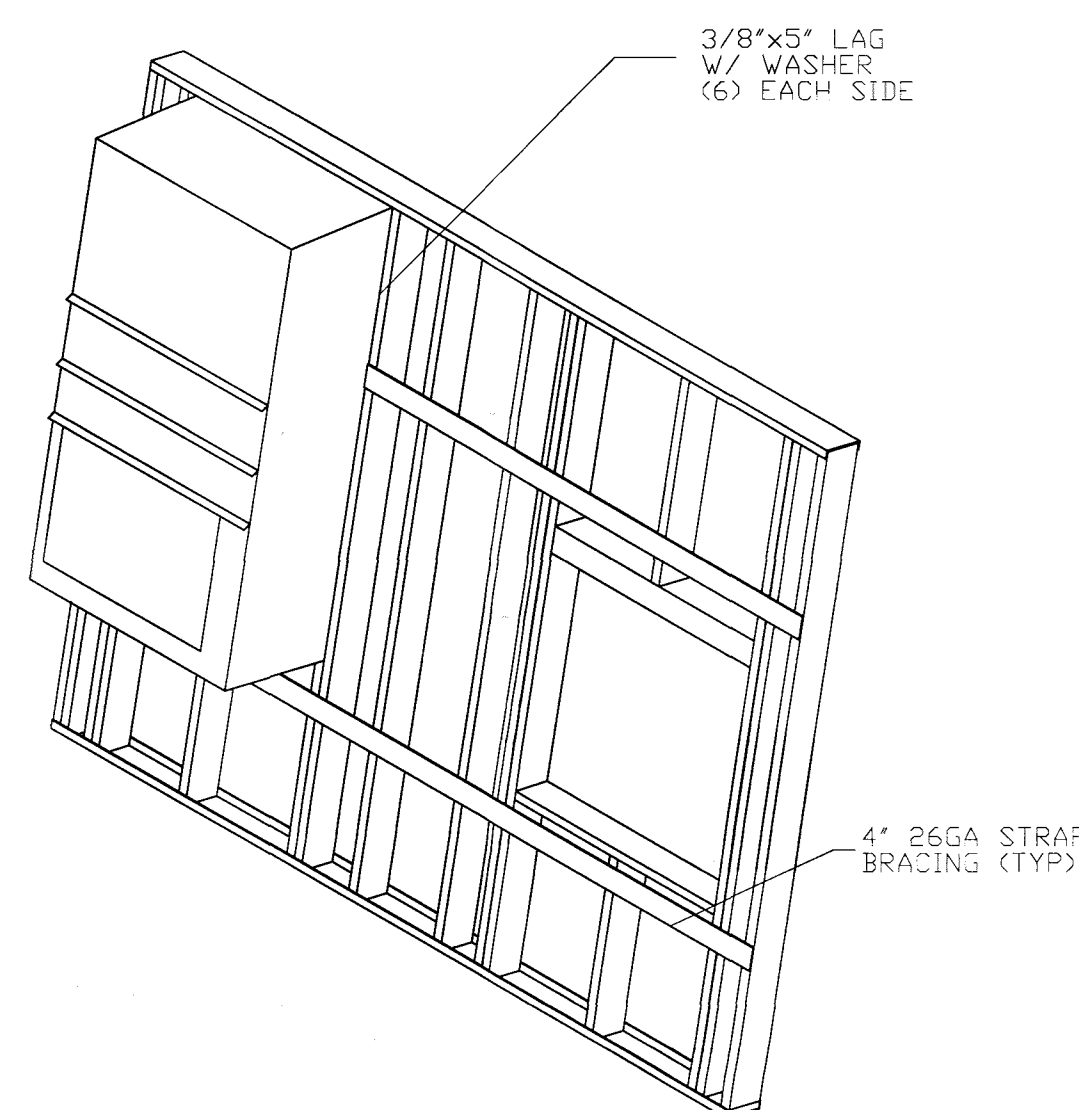
1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA
33803

PH: 883-888-1054
FAX: 883-888-7118
MODULARPLANS@TAMPABAY.FL.COM

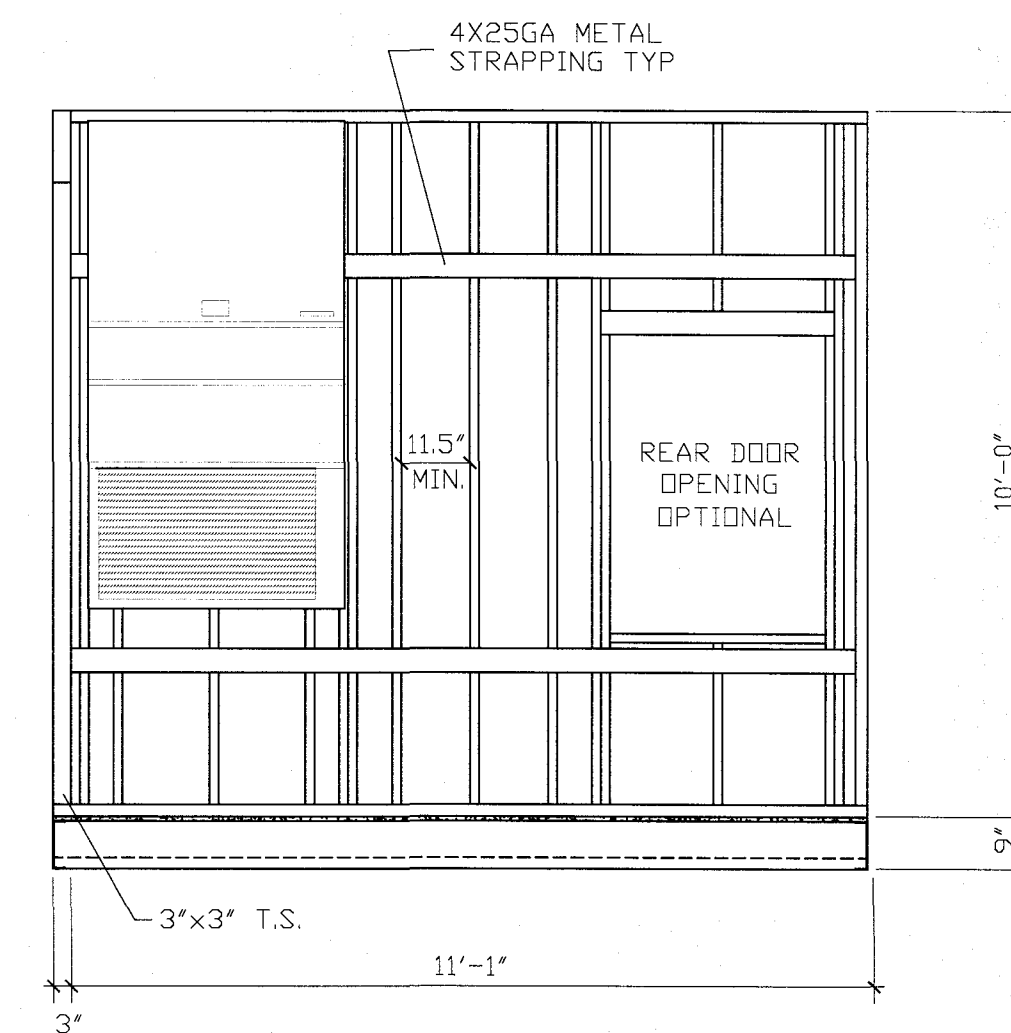
mobile modular
Your Project - Our Commitment



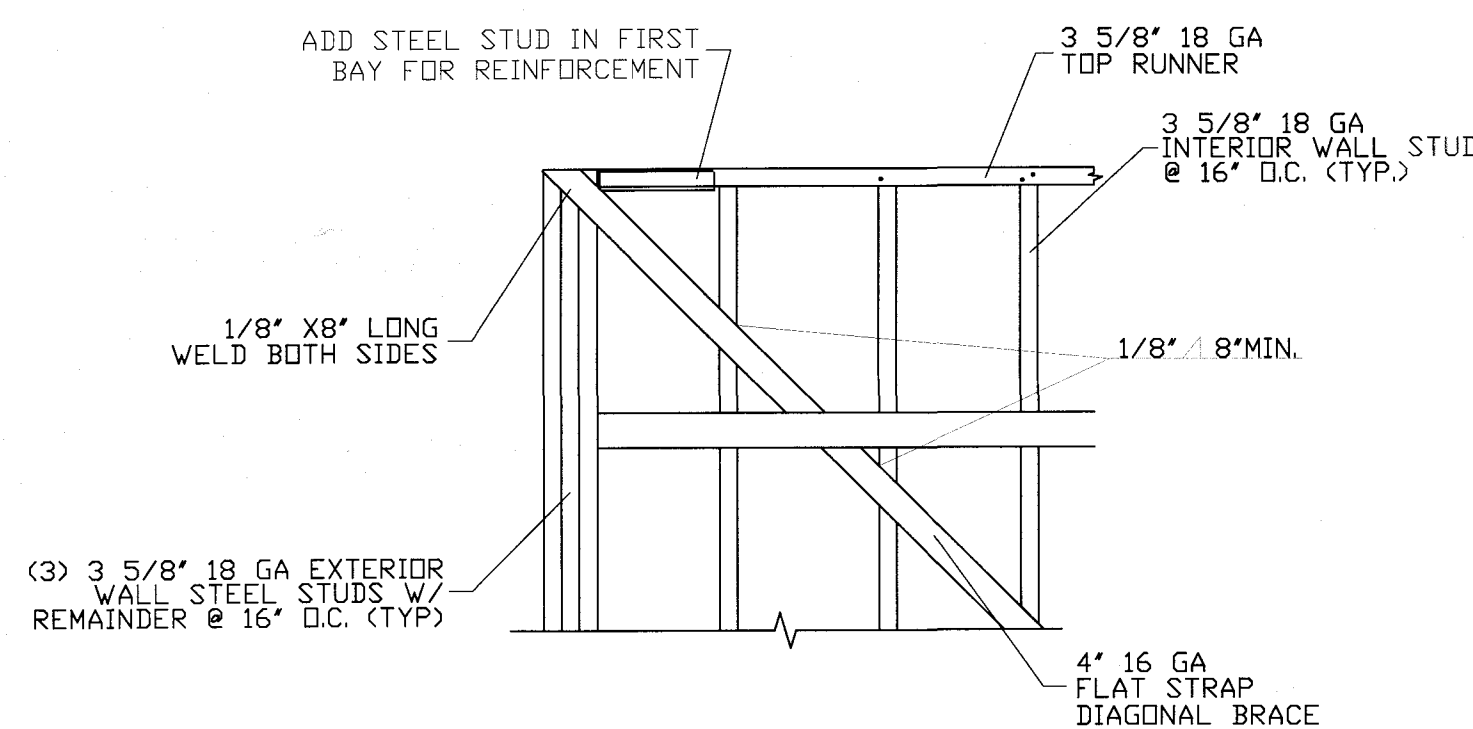
ENDWALL-HVAC
SCALE: 3/8" = 1'-0"



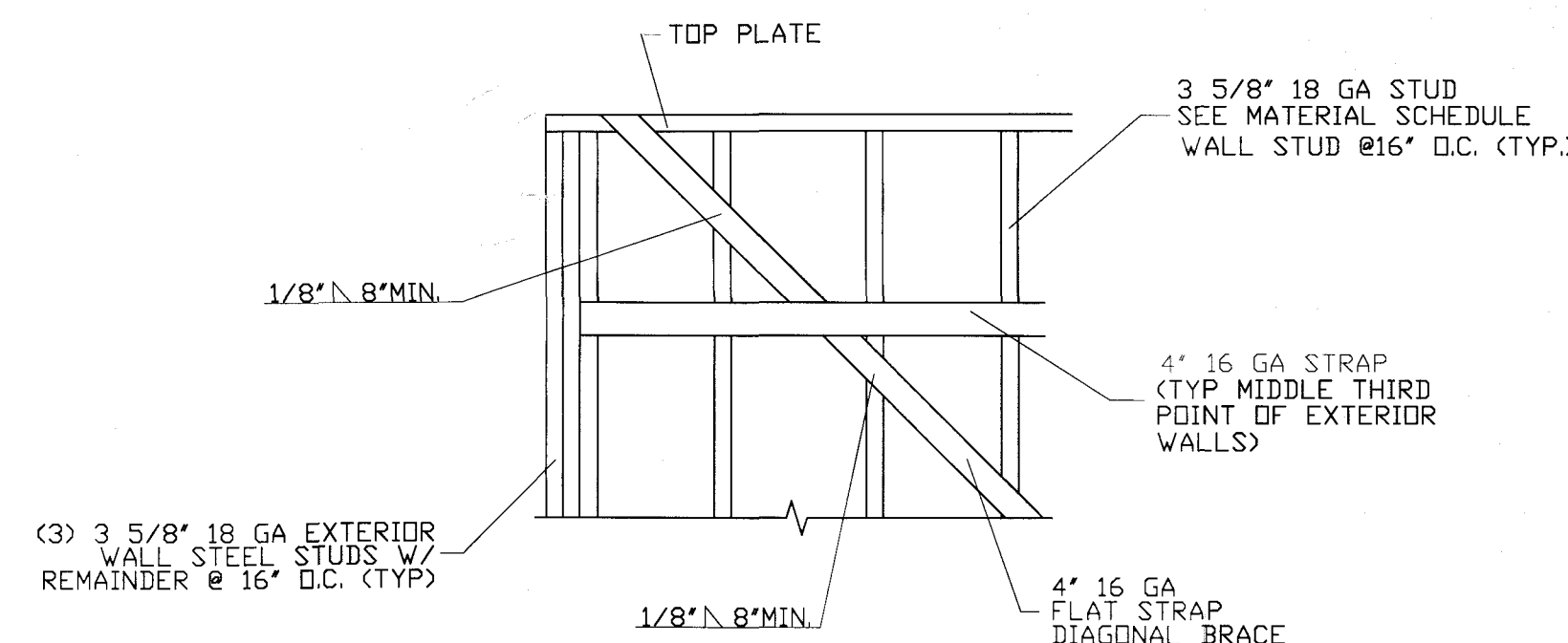
ENDWALL ISO
SCALE: 3/8" = 1'-0"



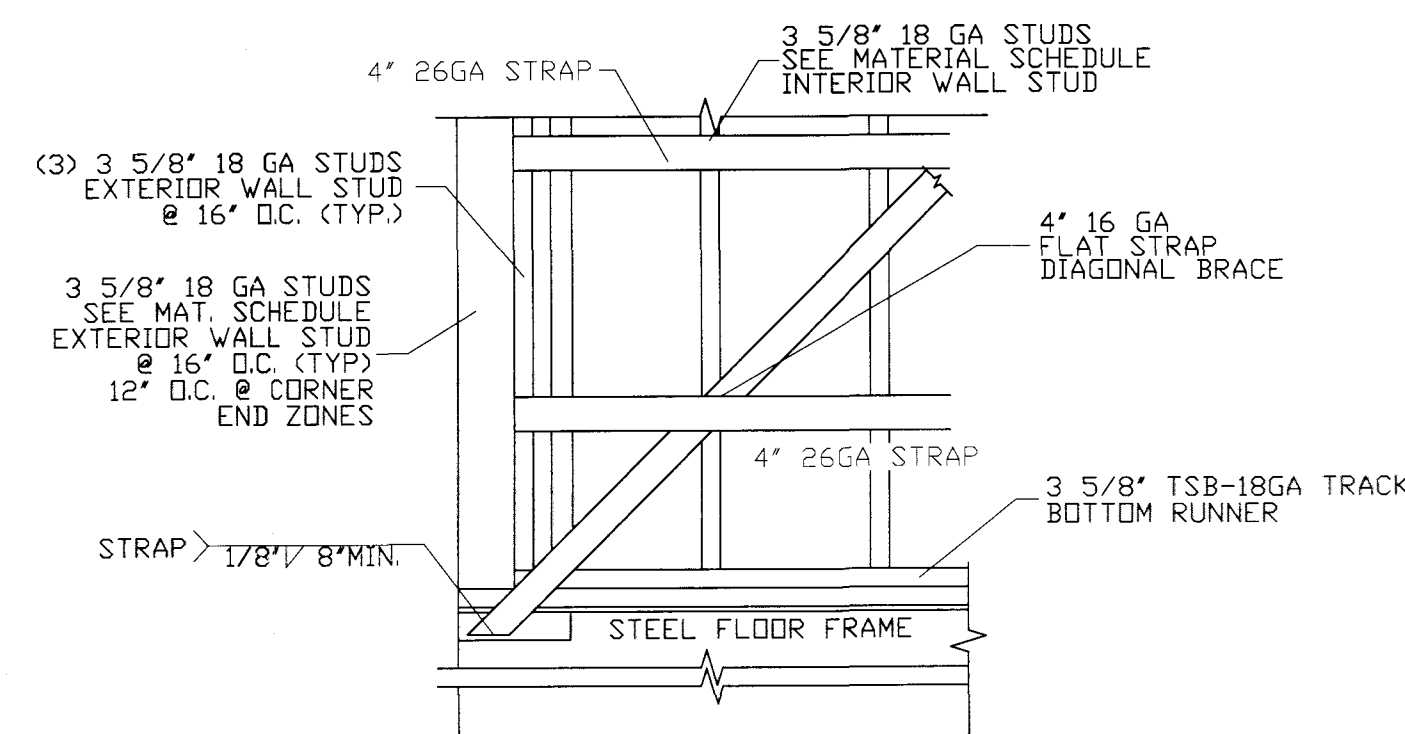
ENDWALL-HVAC
SCALE: 3/8" = 1'-0"



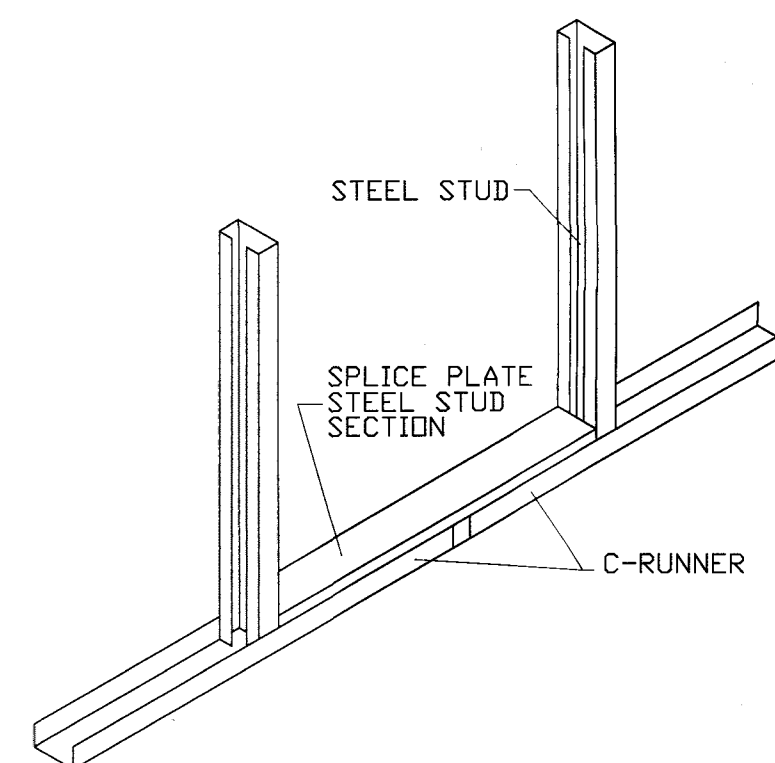
X-BRACING TO TOP OF SIDEWALL
SCALE: NTS



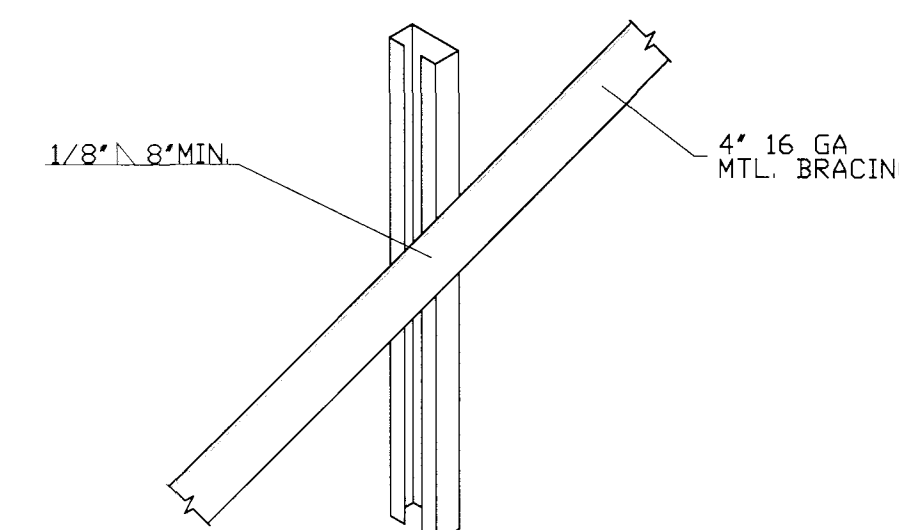
X-BRACING TO TOP OF ENDWALL
SCALE: NTS



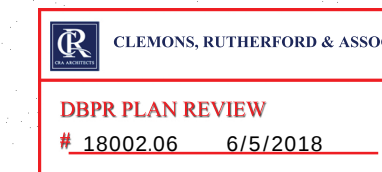
X-BRACING TO FLOOR FRAMING
SCALE: NTS



WALL FRAMING DETAIL
SCALE: NTS



DIAGONAL BRACING DETAIL
SCALE: NTS



CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

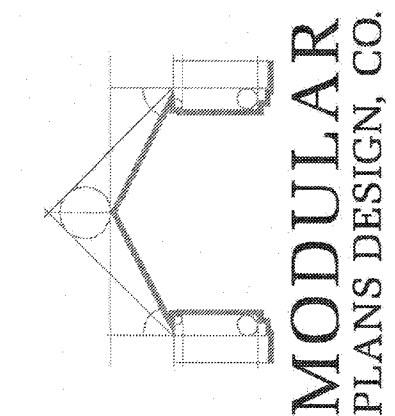
REVISION DATE:

3/21/18

DATE: 03-20-2018
DRAWN: R.L.G.
JOB #: MPD-1518
SHEET NO.
A3.2

© COPYRIGHT 2015-MODULAR PLANS DESIGN, CO.

MODULAR PLANS DESIGN, CO.



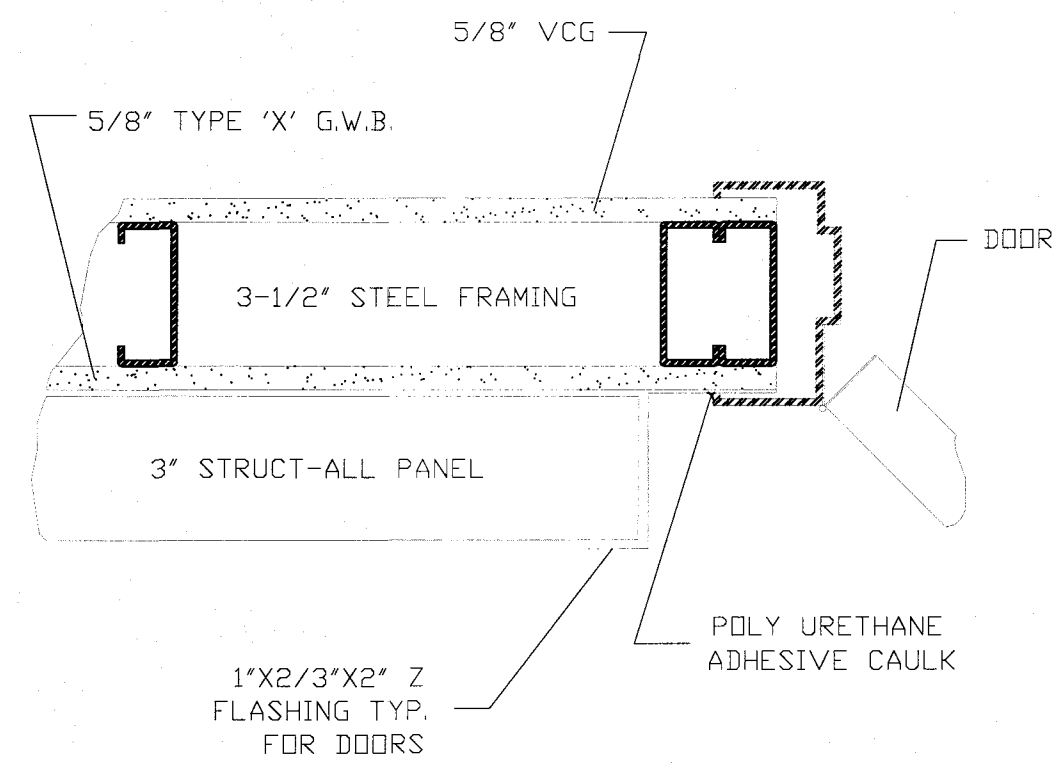
MODULAR
PLANS DESIGN, CO.

1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA
33803

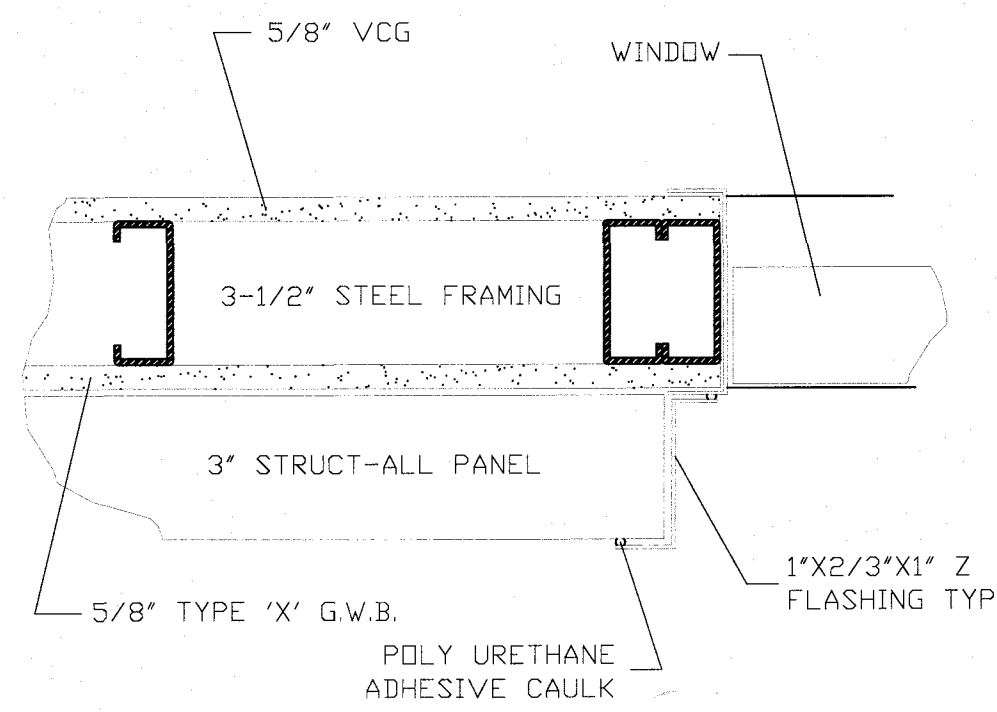
PH: 863-688-1054
FAX: 863-688-7118
MODULARPLANS@TAMPABAY.RR.COM

MODULAR STRUCTURE FOR:
Mobile Modular
(24' X 36')

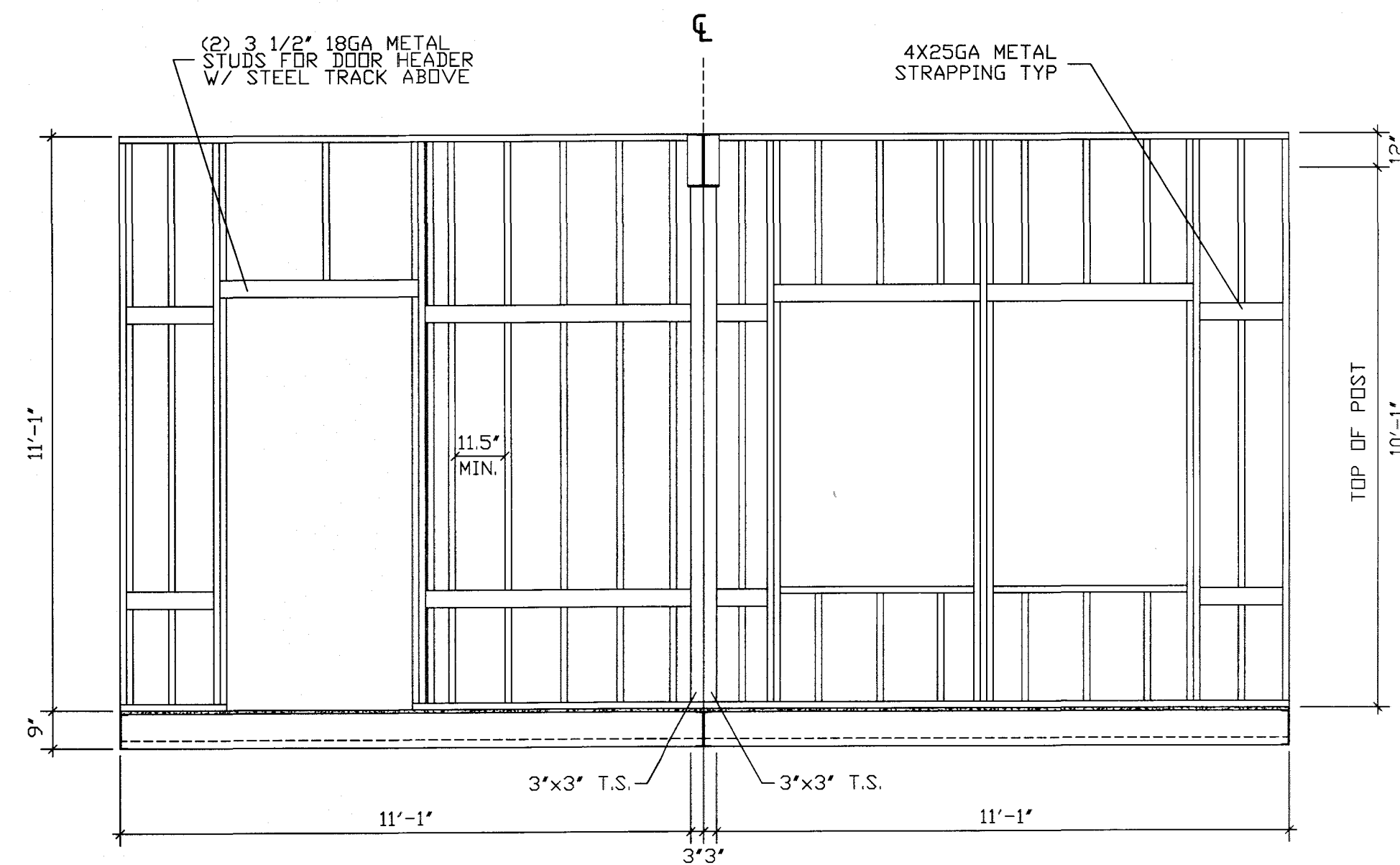
mobile modular
Your Project - Our Commitment



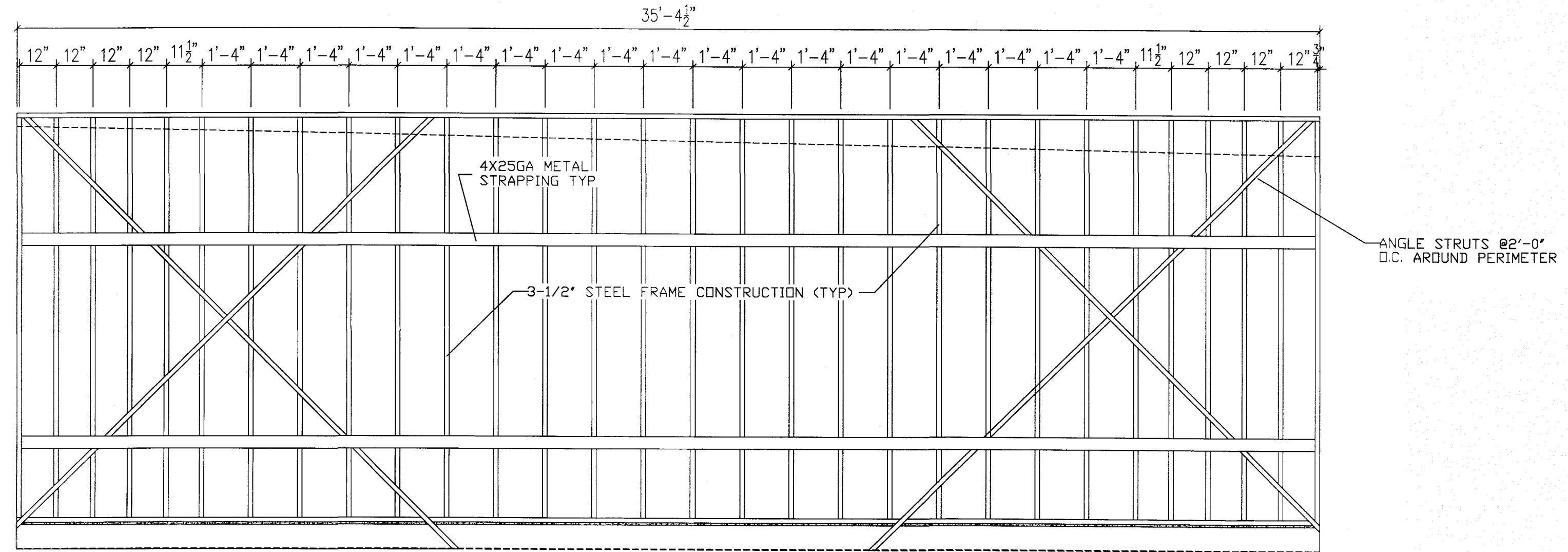
DOOR FRAMING DETAIL
SCALE: 3" = 1'-0"



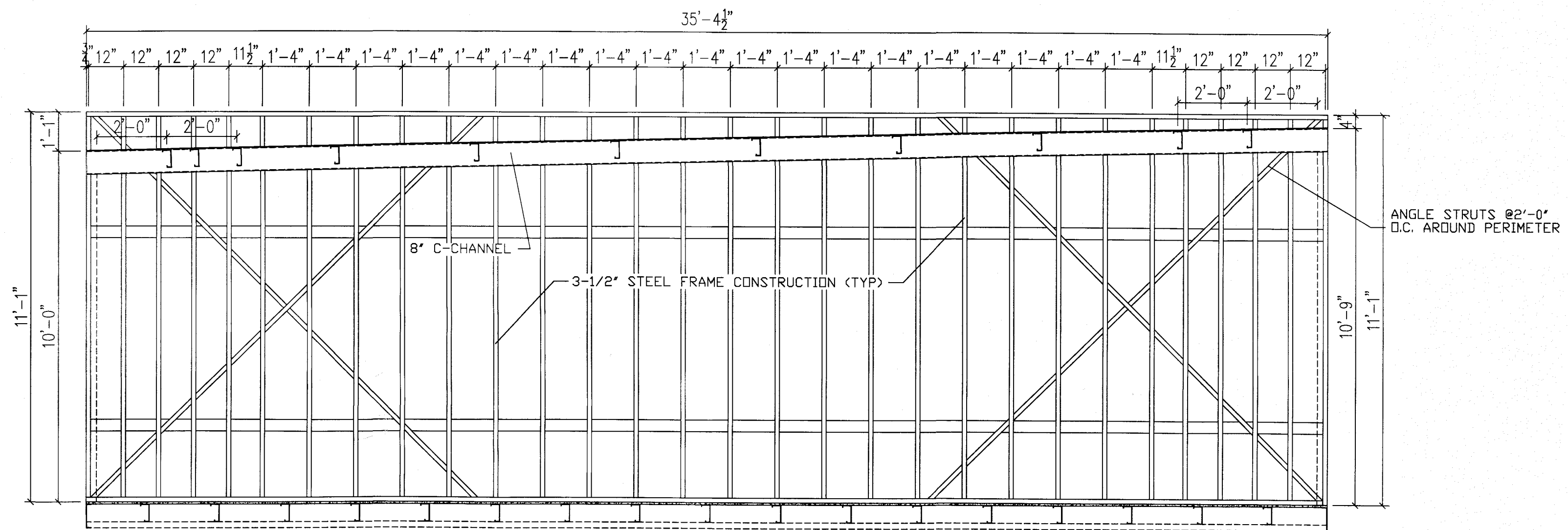
WINDOW FRAMING DETAIL
SCALE: 3" = 1'-0"



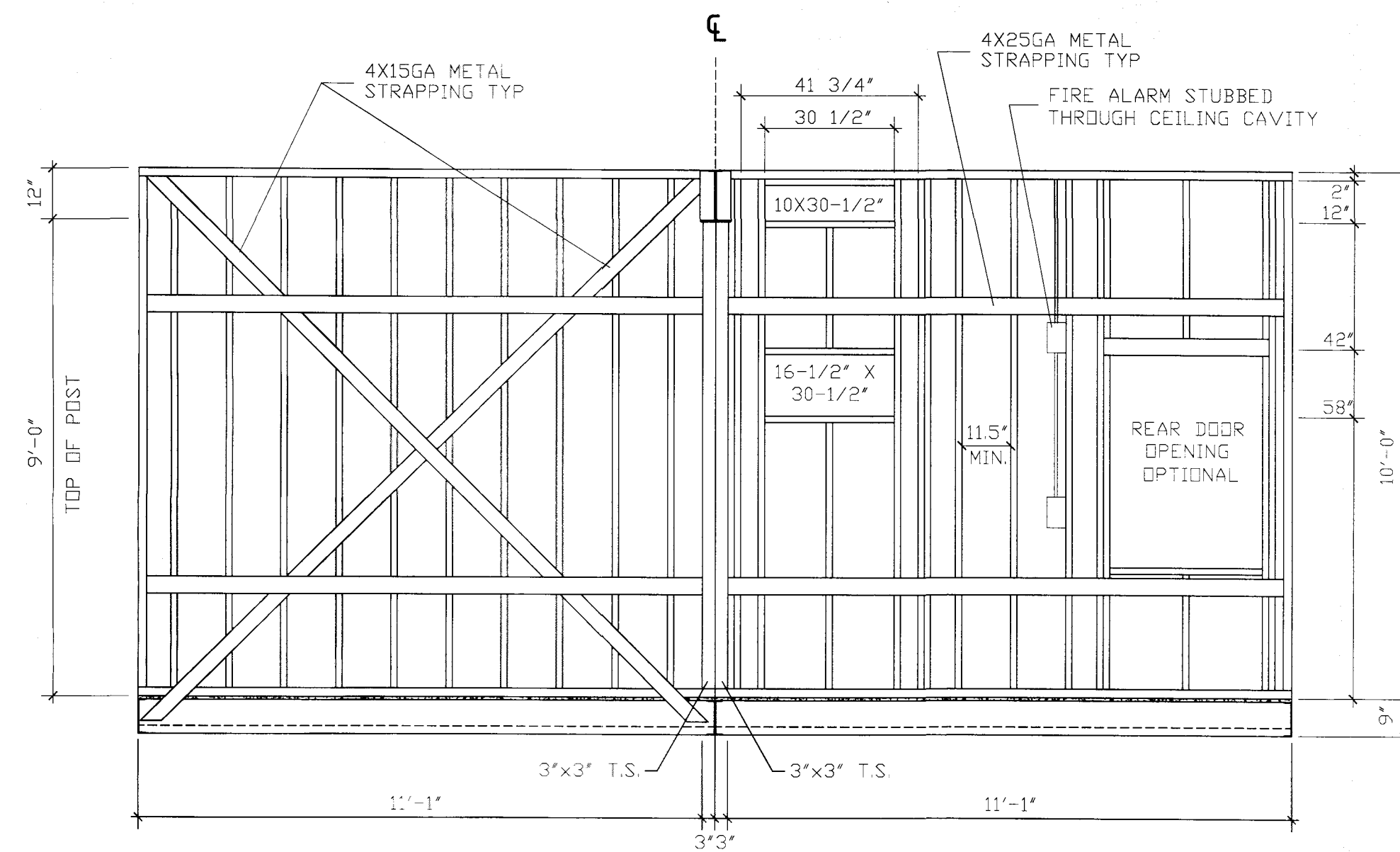
ENTRY ENDWALL FRAMING ELEVATION
SCALE: 3/8" = 1'-0"



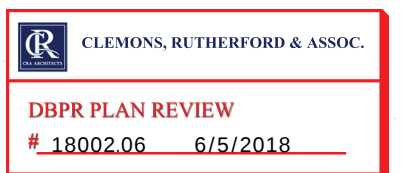
SIDEWALL FRAMING ELEVATION
SCALE: 3/8" = 1'-0"



SIDEWALL INTERIOR FRAMING
SCALE: 3/8" = 1'-0"



HVAC ENDWALL FRAMING ELEVATION
SCALE: 3/8" = 1'-0"



CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

REVISION DATE:

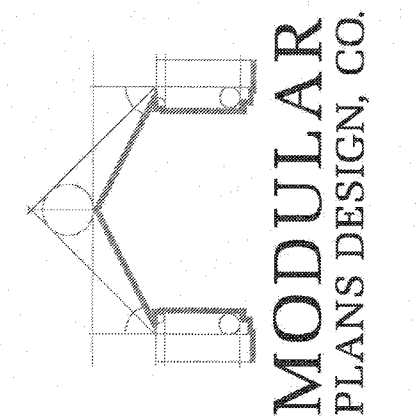
DATE: 03-20-2018
DRAWN: R.L.G.
JOB #: MPD-1518
SHEET NO. A3.3

© COPYRIGHT 2015-MODULAR PLANS DESIGN, CO.

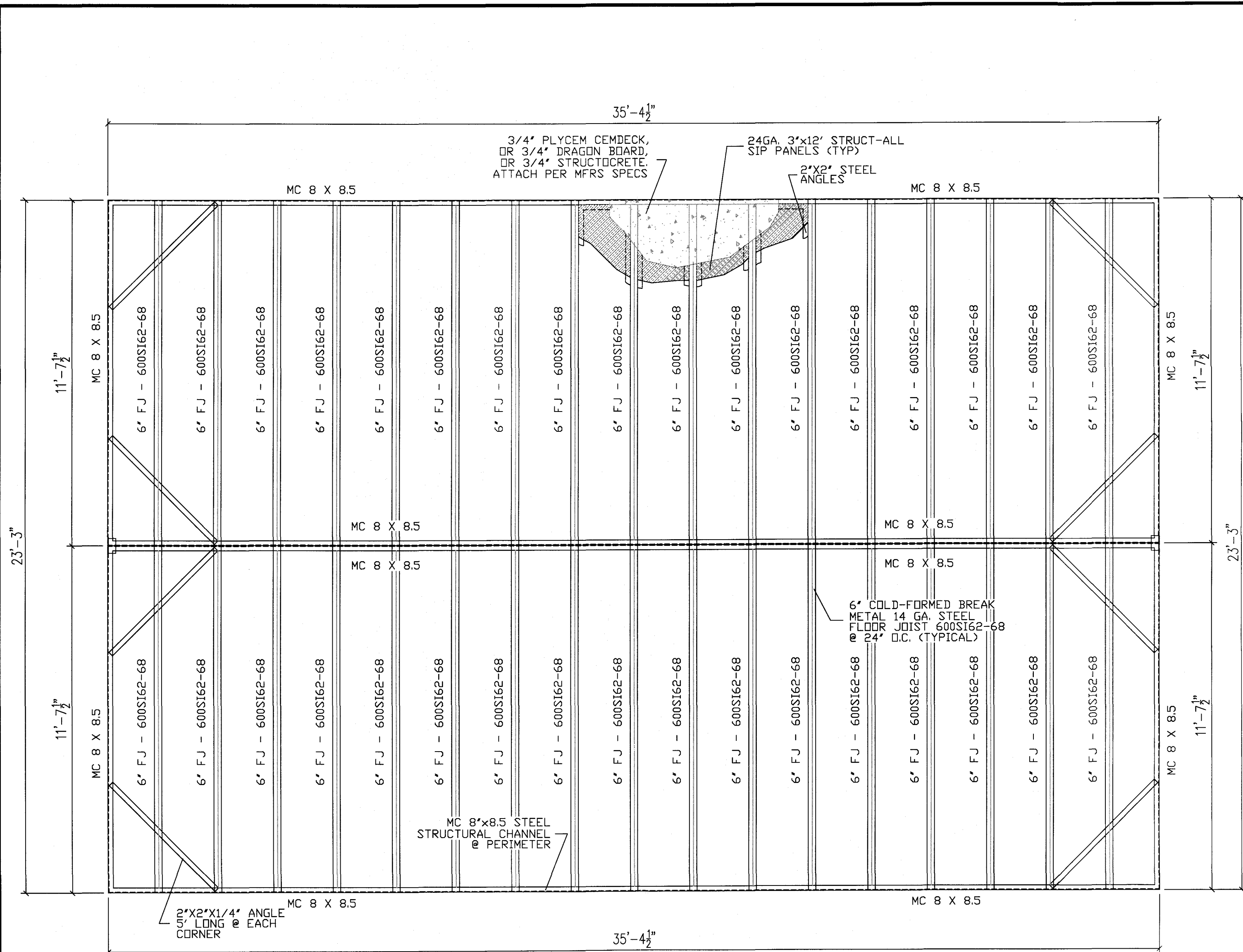


MODULAR PLANS DESIGN, CO.

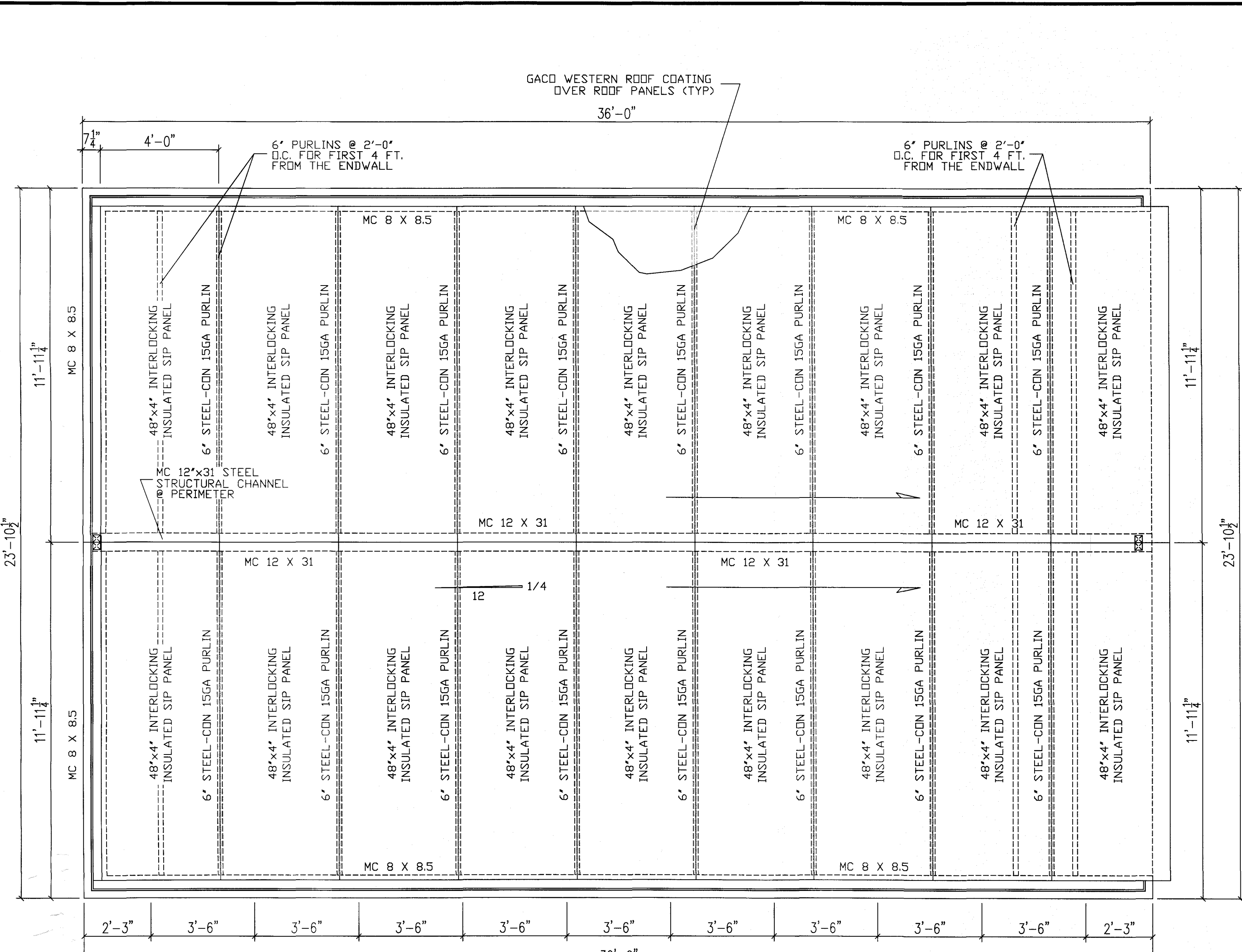
PH: 863-688-1054
FAX: 863-688-7718
MODULARPLANS@AOL.COM



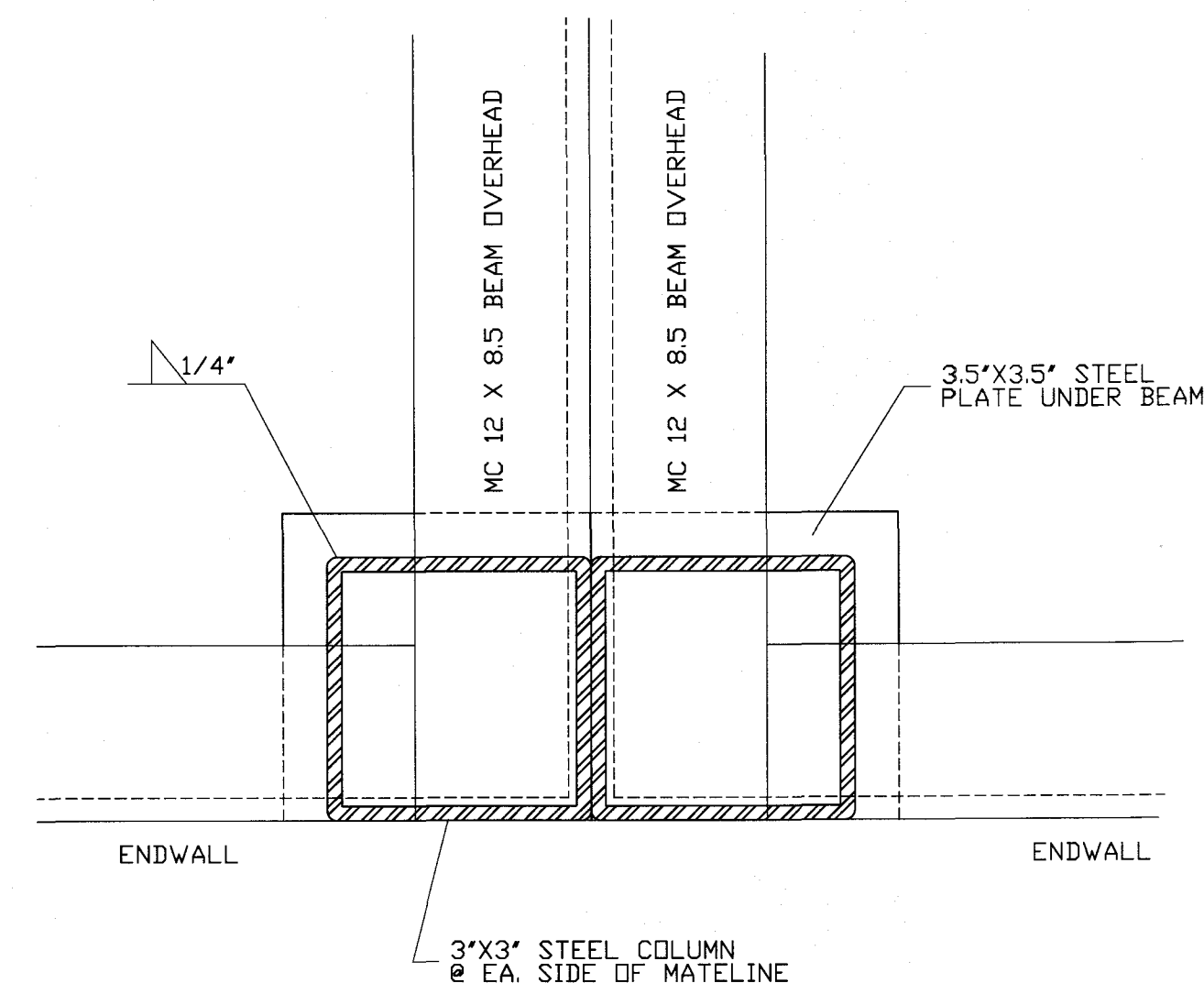
MODULAR STRUCTURE FOR:
Mobile Modular
(24' X 36')



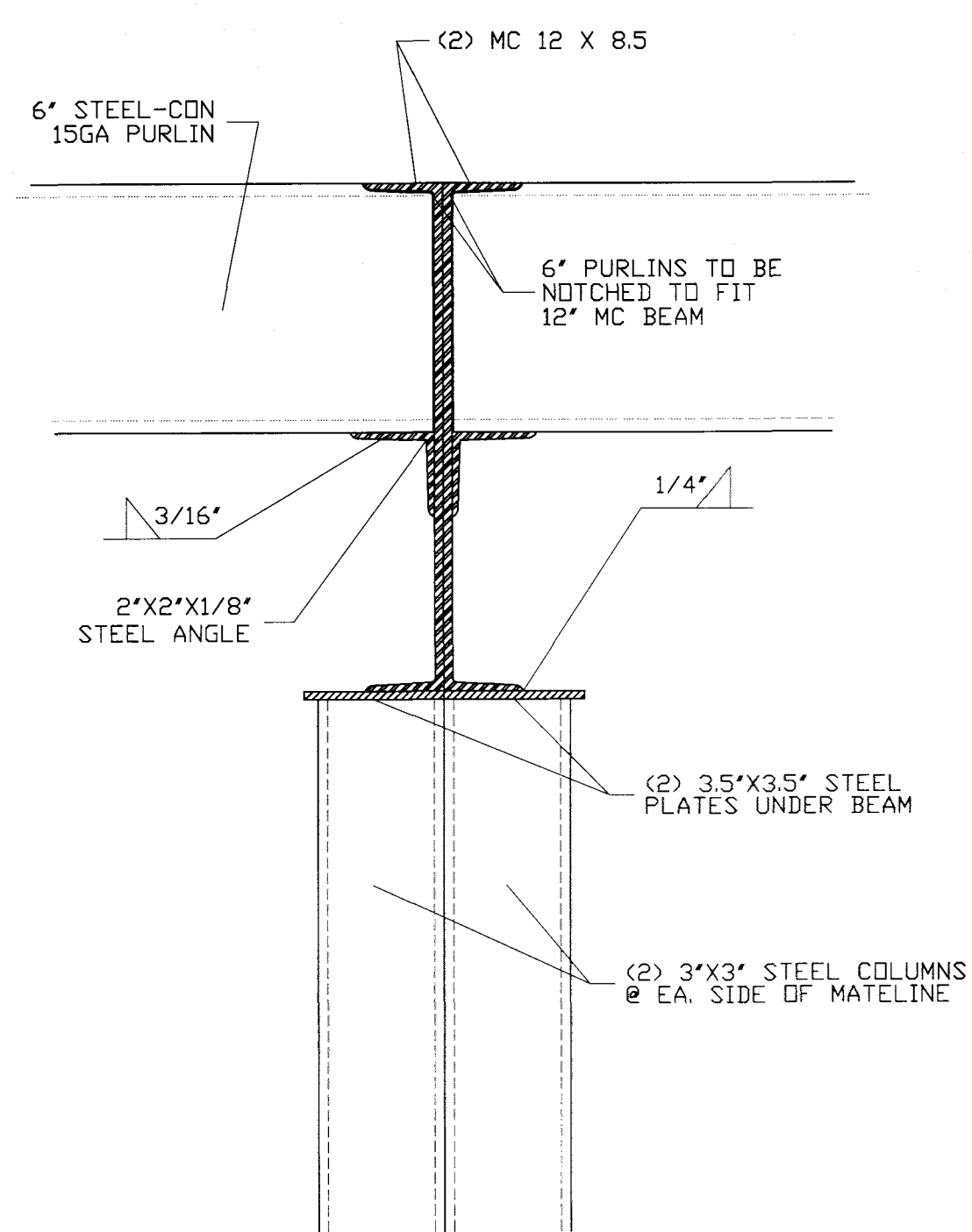
FLOOR FRAMING PLAN
SCALE: 3/8" = 1'-0"



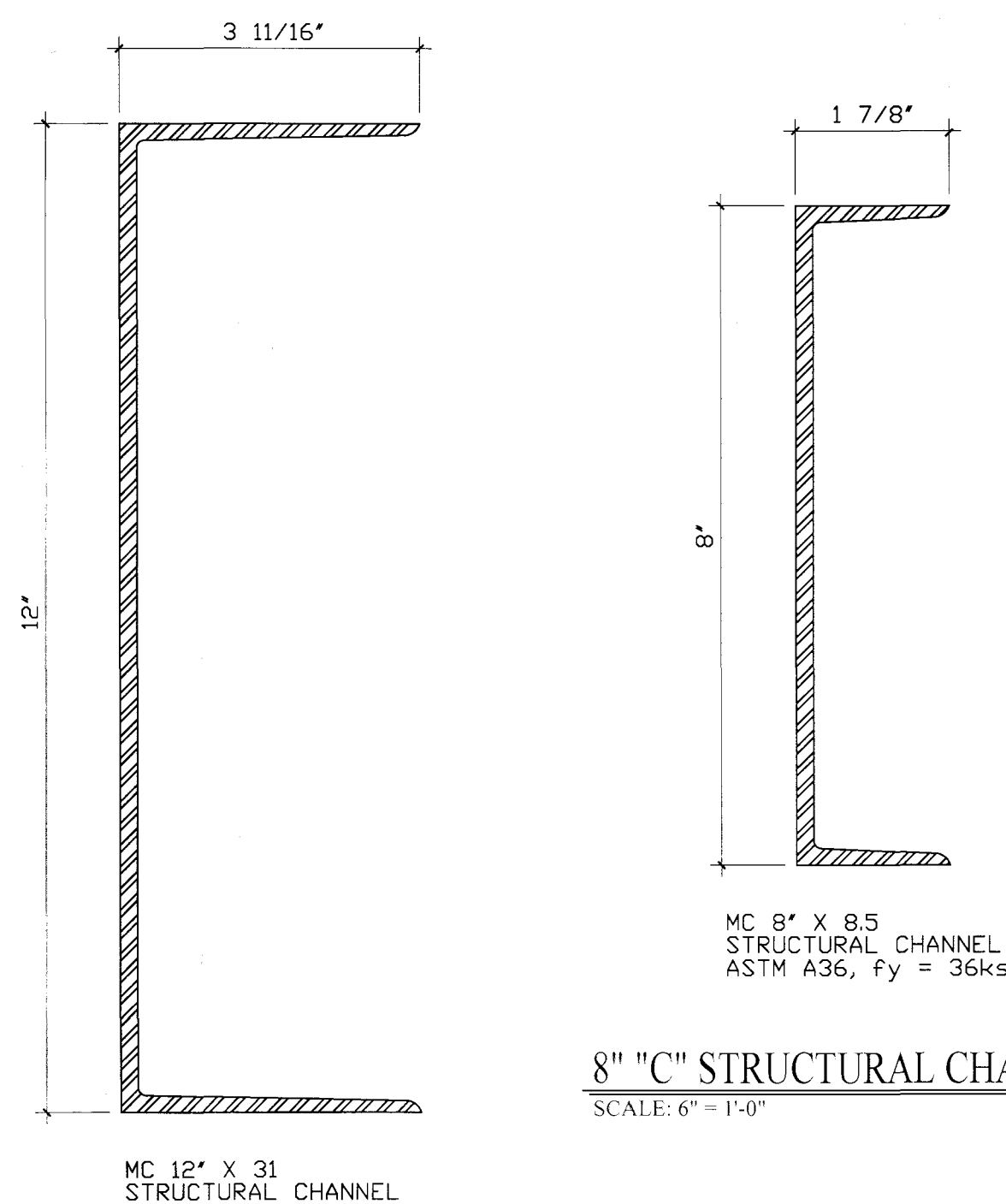
ROOF FRAMING PLAN
SCALE: 3/8" = 1'-0"



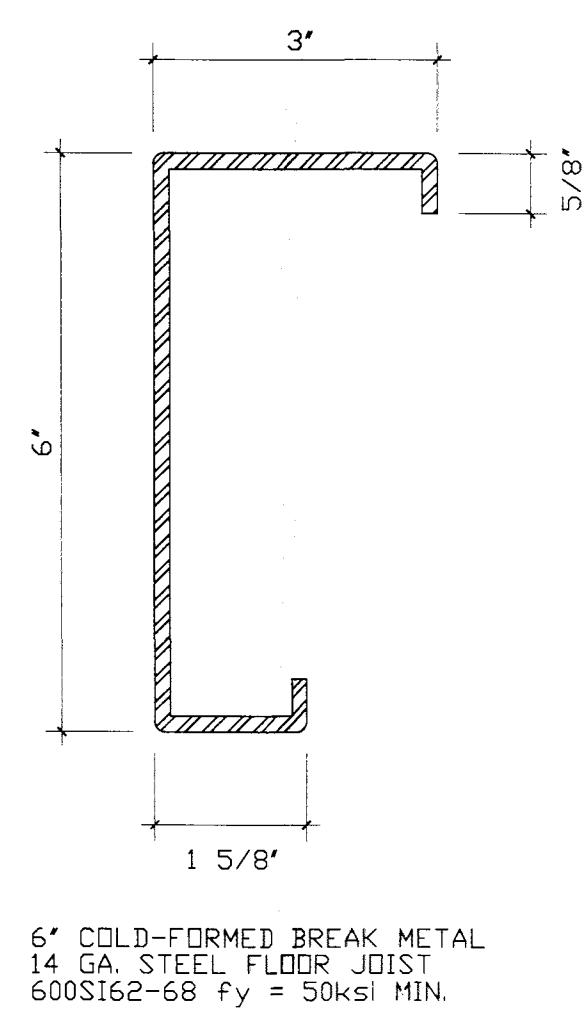
COLUMN TO BEAM CONNECTION DETAIL
SCALE: 6" = 1'-0"



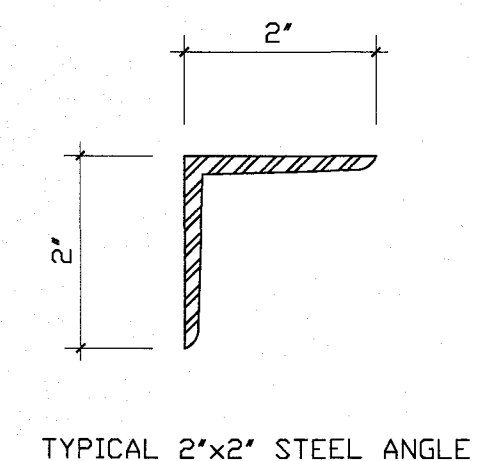
COLUMN TO BEAM CONNECTION DETAIL
SCALE: 3" = 1'-0"



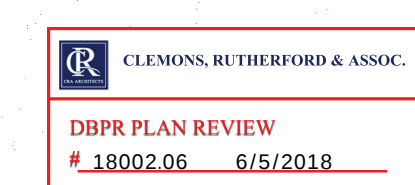
8" "C" STRUCTURAL CHANNEL
SCALE: 6" = 1'-0"



6" STEEL FLOOR JOIST
SCALE: 6" = 1'-0"



2" STEEL ANGLING
SCALE: 6" = 1'-0"



CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

REVISION DATE:	DATE: 03-20-2018
	DRAWN: R.L.G.
	JOB #: MPD-1518
	SHEET NO. A3.4

mobile modular
Your Project - Our Commitment

MODULAR PLANS DESIGN, CO.

1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA 33803

PH: 863-686-1054
FAX: 863-686-7118
MODULARPLANS@TAMPABAYRR.COM

MODULAR PLANS DESIGN, CO.

MODULAR STRUCTURE FOR:
Mobile Modular
(24' X 36')

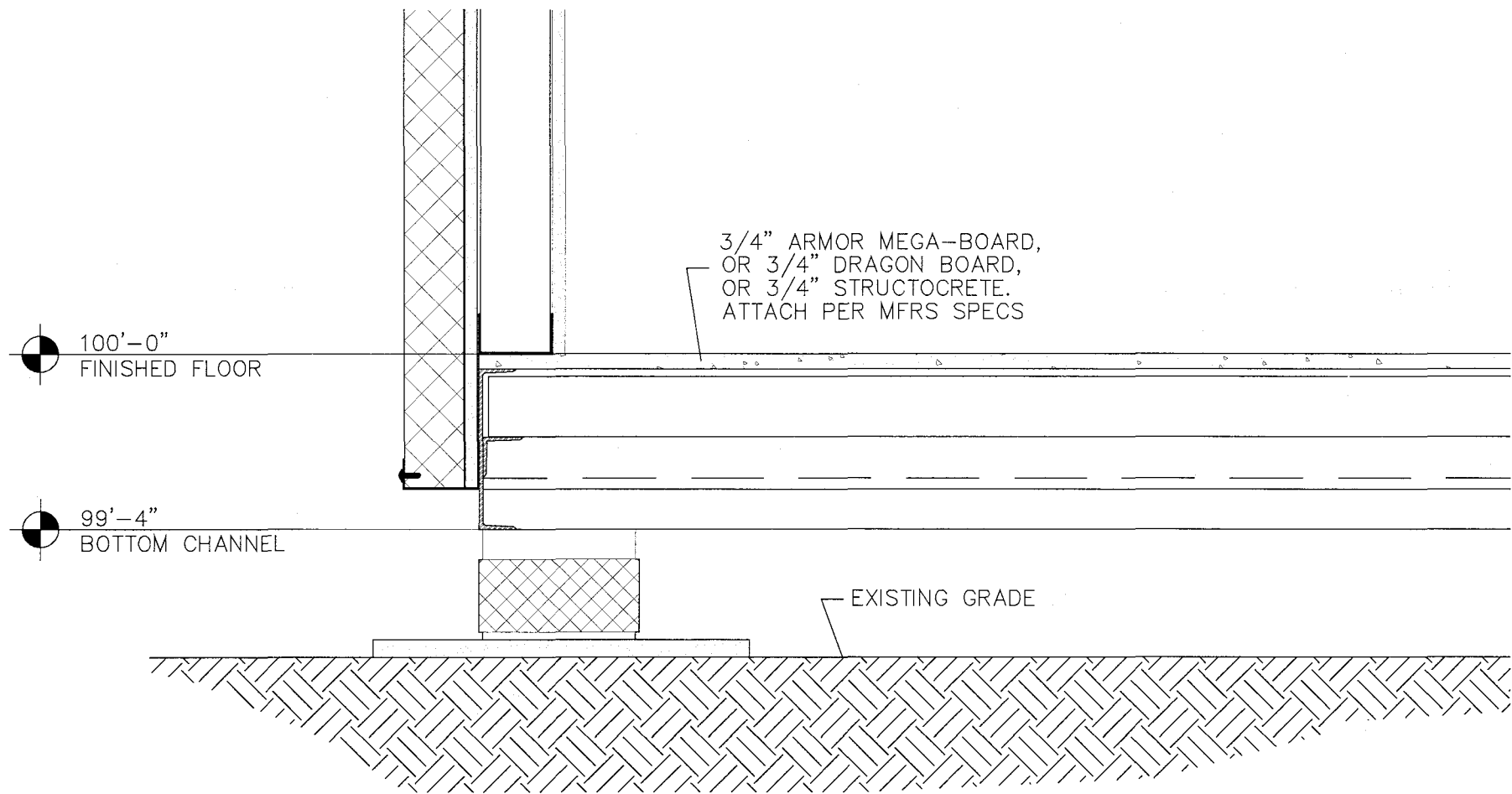
DATE: 03-20-2018

DRAWN: R.L.G.

JOB #: MPD-1518

SHEET NO. A3.4

PRODUCT APPROVAL			
PRODUCT CATEGORY	SUB. CATEGORY	MANUFACTURER	STATE OF FLORIDA APPROVAL #:
DOORS	EXTERIOR	VISION HOLLOW METAL	FL#: 19036.2
DOORS	EXTERIOR	VISION HOLLOW METAL	FL#: 19036.4
FLOORING	SUB-FLOOR	ECTEK INTERNATIONAL	ARMOR-MEGA BOARD





CLEMONS, RUTHERFORD & ASSOC.

DBPR PLAN REVIEW

18002.06 6/5/2018

CONSULTING ENGINEER
ROBERT T. HAUG
FLORIDA
P.E. LICENSE #24575
1820 E EDGEWOOD DR
LAKELAND, FLORIDA 33803

FLOORING @ SIDEWALL
SCALE: 1 1/2" = 1'-0"

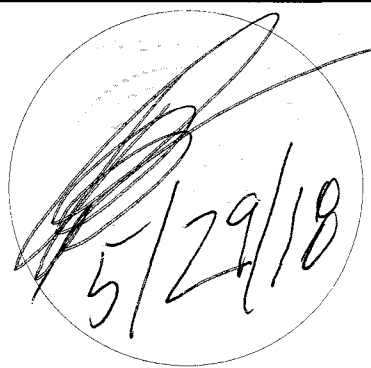
MOBILE MODULAR
ADDITIONAL APPROVED PRODUCTS
CRA #: 18002.06



MODULAR PLANS DESIGN, CO.

1074 S. FLORIDA AVE. SUITE 201
LAKELAND, FLORIDA
33803-5001

PH: 863-688-1054
FAX: 863-688-7118
MODULARPLANS@TAMPABAY.FL.COM



DATE:	05-24-2018
DRAWN:	R.C.S.
JOB #:	MPD-1518
SHEET NO.	

SD-1