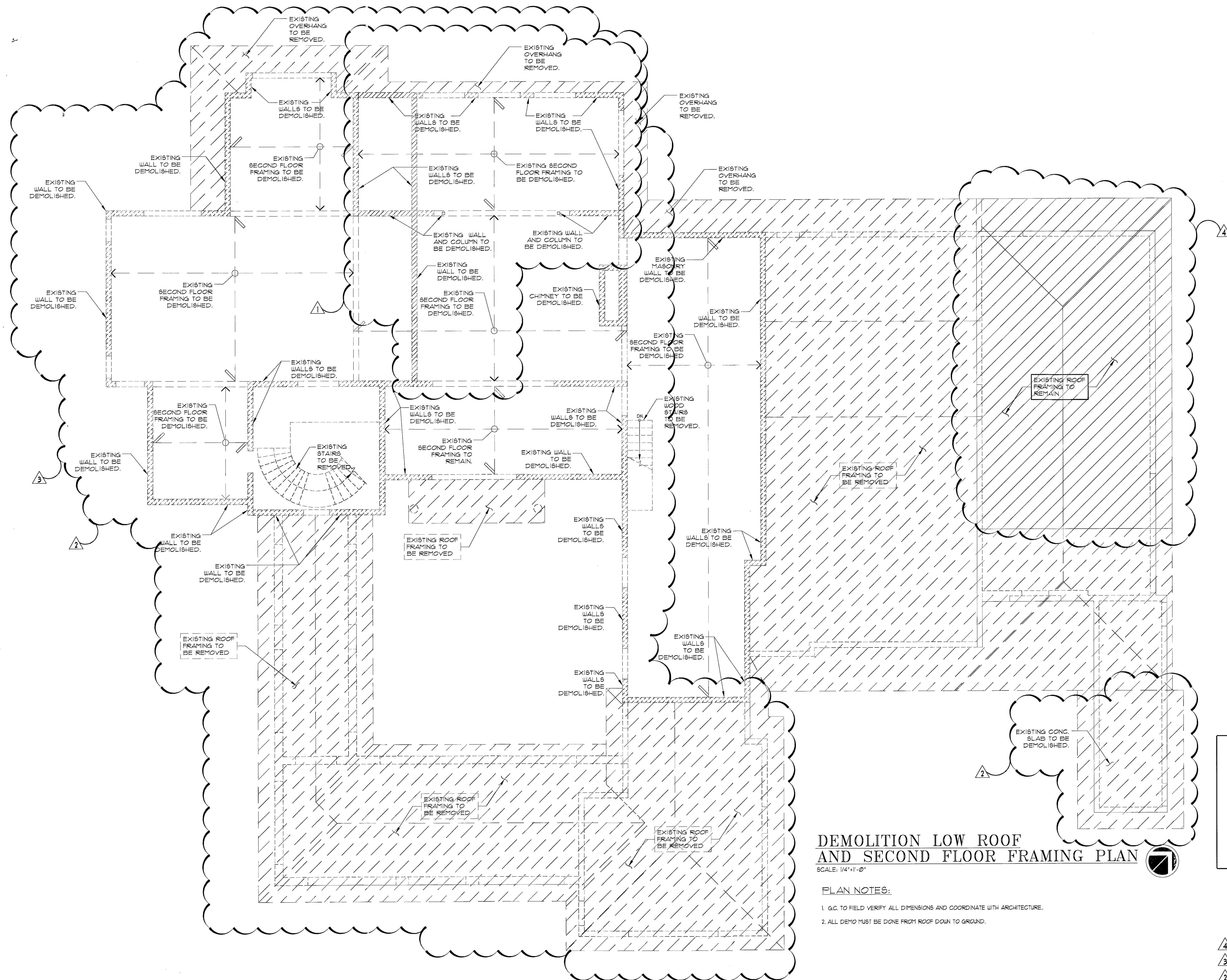




DEMOLITION LOW ROOF AND SECOND FLOOR FRAMING PLAN

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

PLAN NOTES:

1. G.C. TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURE.
2. ALL DEMO MUST BE DONE FROM ROOF DOWN TO GROUND.

LEGEND

- EXISTING WALL TO BE DEMOLISHED
- EXISTING TO BE DEMOLISHED
- DIRECTION OF SPAN

- 03-12-2013: BUILDING DEPARTMENT COMMENTS.
- 11-12-2012: REVISION.
- 08-13-2012: DEMOLITION REVISION.
- 05-21-2012: BUILDING DEPARTMENT COMMENTS.

AA0003569
ANTHONY L. LON
001672

3
DESIGN
ARCHITECTURE

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SEAL

ADDITION / REMODELING
5980 NORTH BAY ROAD
MIAMI BEACH
FL 33140

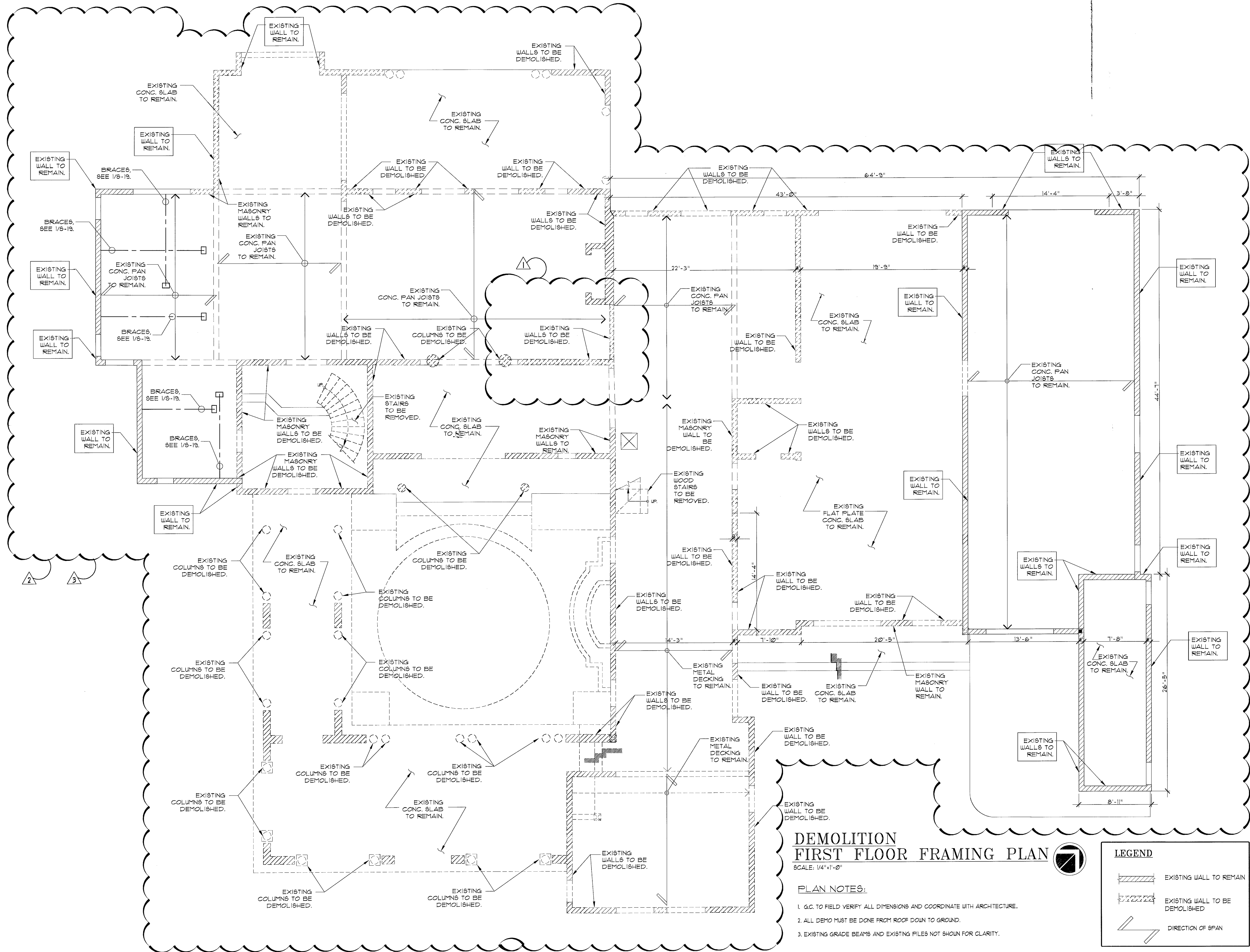
DATE: 07-13-2012

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THESE PLANS ARE FOR BUILDING DEPARTMENT REVIEW ONLY. THEY ARE NOT TO BE CONSIDERED AS CONSTRUCTION DOCUMENTS UNTIL ALL BUILDING DEPARTMENT APPROVALS ARE OBTAINED.

S-17

Q:\VANDRAFT\5980 NORTH BAY ROAD (WADE RESIDENCE)\STRUCTURE\S-17 DEMOLITION.dwg



DEMOLITION FIRST FLOOR FRAMING PLAN

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

PLAN NOTES:

1. G.C. TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURE.
2. ALL DEMO MUST BE DONE FROM ROOF DOWN TO GROUND.
3. EXISTING GRADE BEAMS AND EXISTING PILES NOT SHOWN FOR CLARITY.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- DIRECTION OF SPAN

- 11-12-2012: REVISION.
- 08-13-2012: DEMOLITION REVISION.
- 05-21-2012: BUILDING DEPARTMENT COMMENTS.

DRAWN BY:
REVISIONS:

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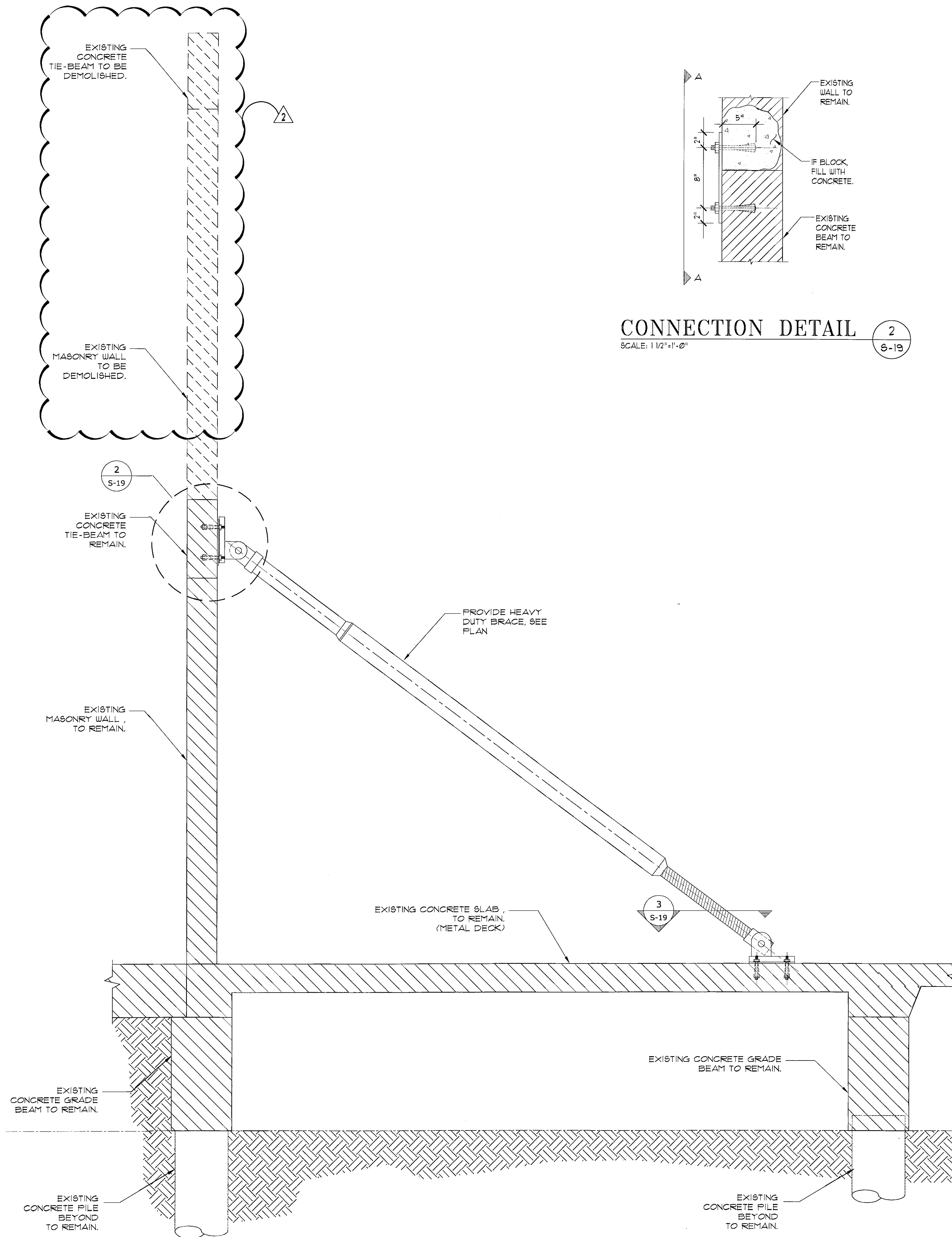
ADDITION / REMODELING
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MIAMI BEACH
FL 33140

DATE: 07-13-2012

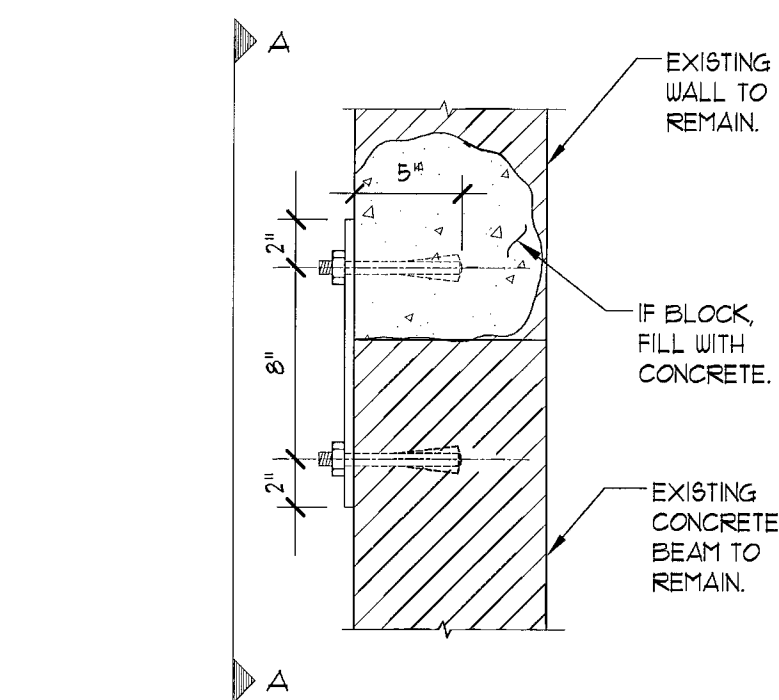
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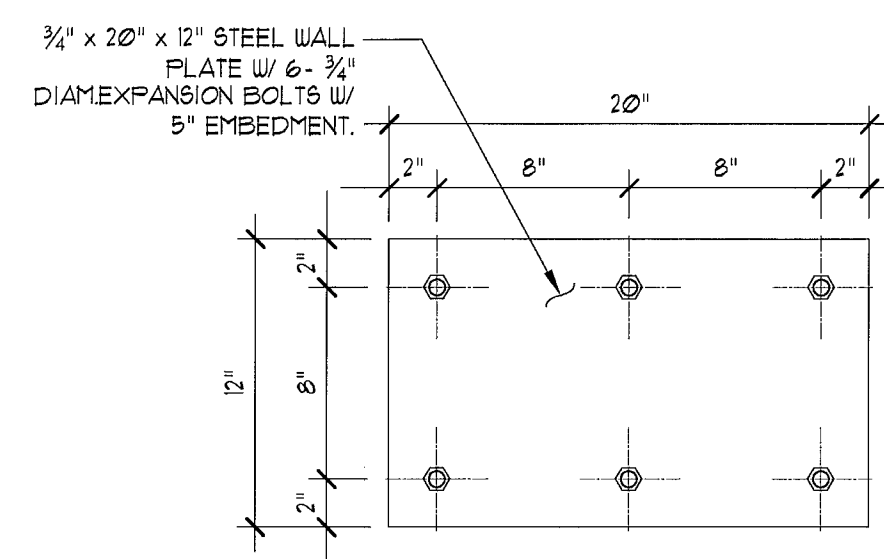
S-18



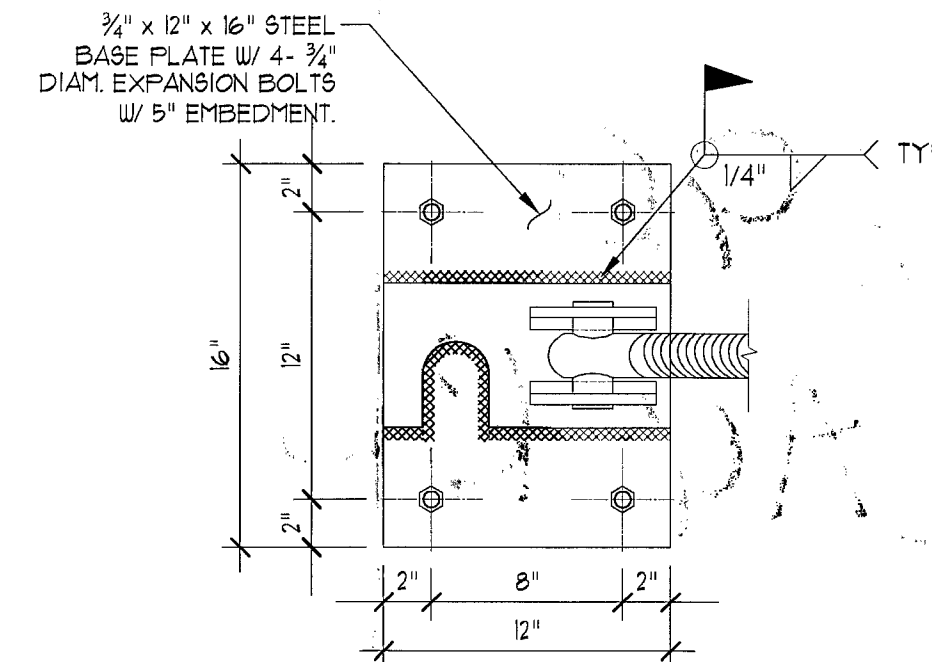
WALL BRACES SECTION 1
SCALE: N.T.S.



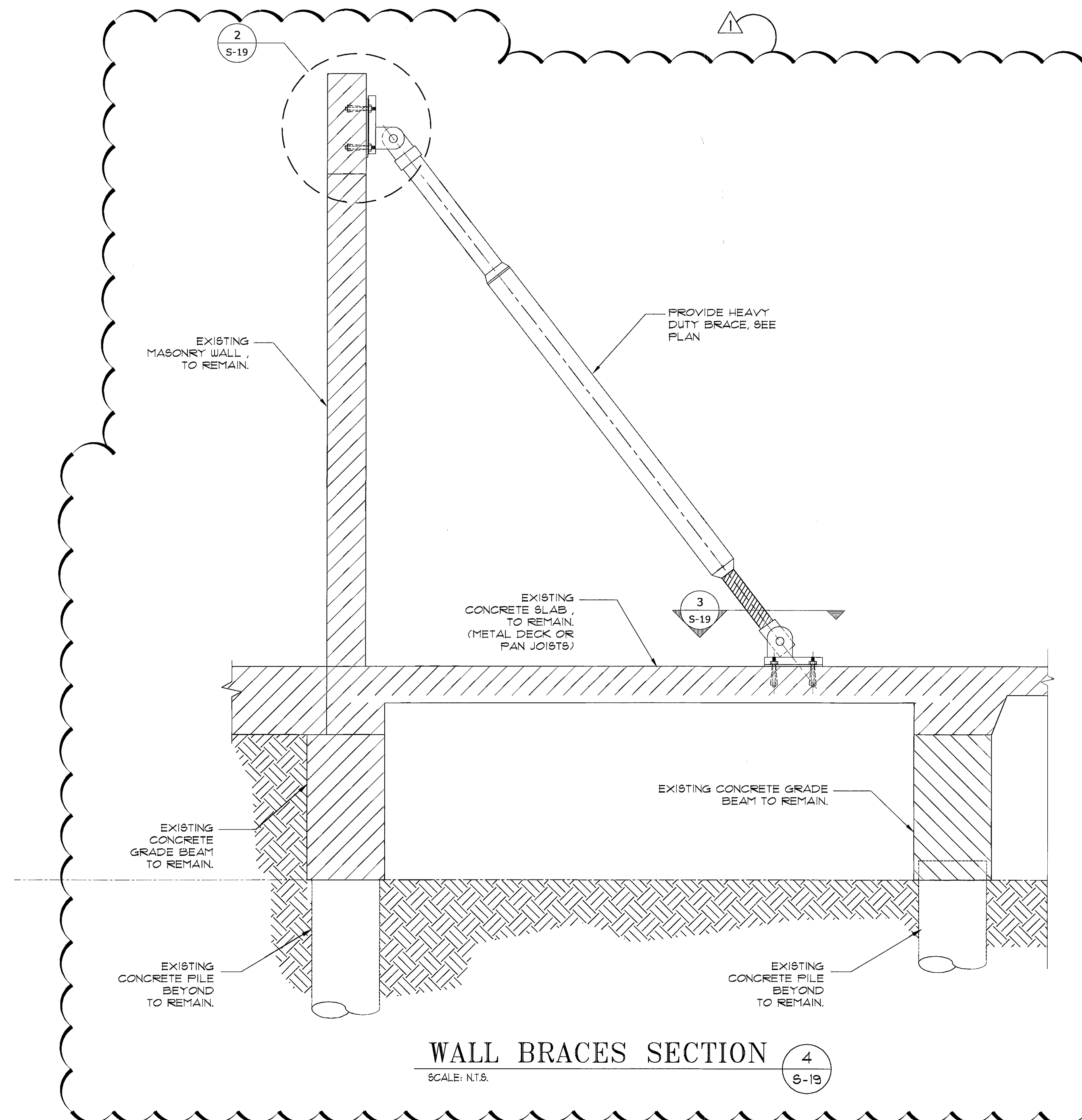
CONNECTION DETAIL 2
SCALE: 1 1/2" = 1'-0"



SECTION A-A
SCALE: 1 1/2" = 1'-0"



CONNECTION DETAIL 3
SCALE: 1 1/2" = 1'-0"



WALL BRACES SECTION 4
SCALE: N.T.S.

DRAWN BY:	AA0003698
REVISIONS:	ANTHONY LEON
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S-19

11-12-2012: REVISION.
08-13-2012: DEMOLITION REVISION.

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BREV 130296
5980 N BAY RD

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING:	_____
ZONING:	_____
DRB/HPB:	_____
CONCURRENCY:	_____
PLUMBING:	_____
ELECTRICAL:	_____
MECHANICAL:	_____
FIRE PREVENTION:	_____
ENGINEERING:	_____
PUBLIC WORKS:	_____
STRUCTURAL:	_____
ELEVATOR:	_____

REVISIONS:	DATE	BY	DESCRIPTION
1	04.05.12	B.D.C.	
2	05.25.12	B.D.C.	
3	01.14.13	GENERAL	

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ANTHONY LEON
0016752

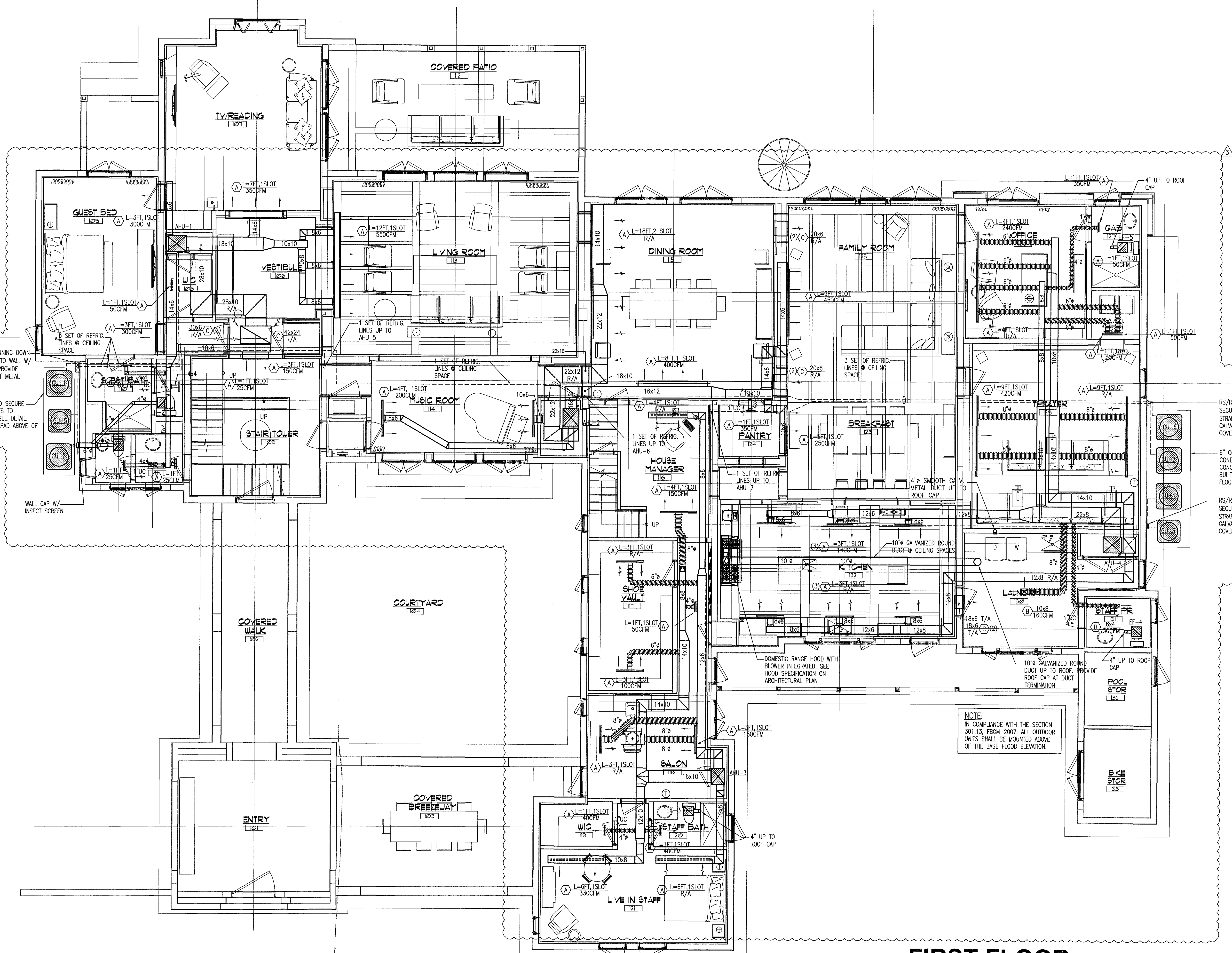
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MIAMI BEACH, FL
33140

SPACE RESERVED FOR
CITY OF MIAMI BEACH STAMPS

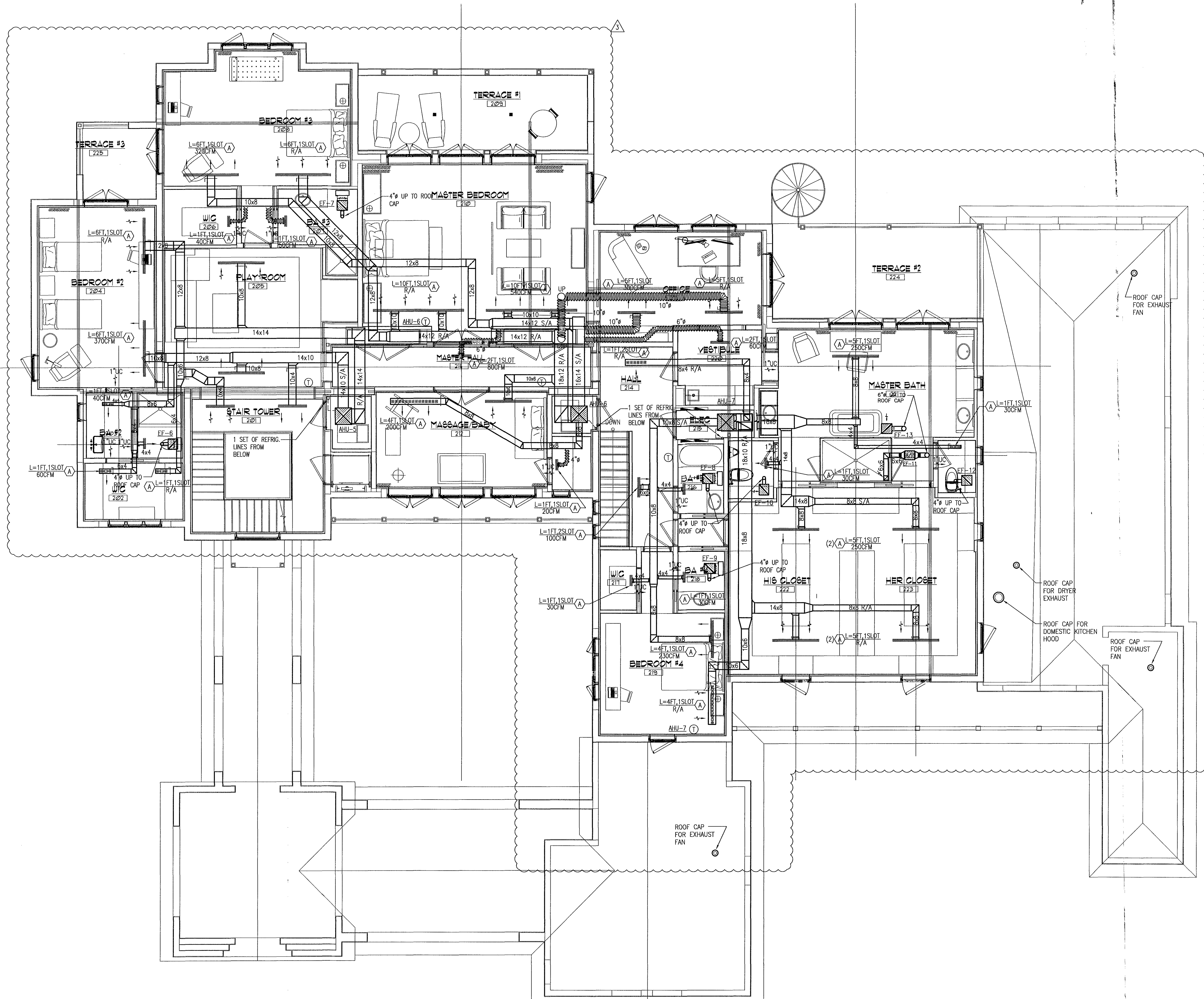
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M-1



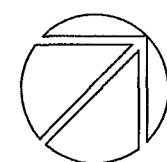
FIRST FLOOR AREA OF WORK

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



**SECOND FLOOR
AREA OF WORK**

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



TAG		NECK SIZE CFM		AIR DISTRIBUTION SCHEDULE							BASIS OF DESIGN: TITUS		
TAG	MODEL	FACE SIZE	NECK SIZE	MATERIAL	FRAME	FINISH	DAMPER	THROW	NC	CFM RANGE	NOTES		
A	FL-10 WITH CONTINUOUS SLOT	*	SEE PLAN	ALUM	SURFACE	WHITE	*	SEE PLAN	20	SEE PLAN	1,2 FLOW BAR DIFF.		
B	250AA	*	SEE PLAN	ALUM	SURFACE	WHITE	OBD	SEE PLAN	20	SEE PLAN	1,2 SUPPLY GRILLE		
C	3FL	*	SEE PLAN	ALUM	SURFACE	WHITE	*	*	20	SEE PLAN	1,2 RETURN GRILLE		
(*) EQUIVALENT MANUFACTURER: AIR GUIDE, METALAIRE, CARNES, PRICE.													
GENERAL NOTES:													
1. REFER TO ARCHITECT PLANS FOR CEILING TYPE.													
2. FINAL COLOR SELECTION SUBJECT TO ARCHITECT APPROVAL.													

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	SUPPLY AIR.
	RETURN AIR CEILING GRILLE
	MANUAL VOLUME CONTROL DAMPER
	PROGRAMMABLE THERMOSTAT
	AIR DISTRIBUTION DEVICE TAG
	NEW DUCTWORK
	FLEX DUCT
	UNDERGROUND
	CONDENSATE DRAIN PIPING
	POINT OF CONNECTION TO EXISTING CONDITION
N.I.C.	NOT IN CONTRACT

HVAC DESIGN REQUIRES	YES	NO
DUCT SMOKE DETECTOR		X
FIRE DAMPER'S		X
SMOKE DAMPER'S		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF / FLOOR		X
CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X

FAN SCHEDULE		EF-1,2,3,4,5,6,7,8 9,10,12	EF-11	EF-13
UNIT TAG				
SERVICE AREA		TOILETS	SHOWER	TUB (2ND FL)
MANUFACTURER		GREENHECK	GREENHECK	GREENHECK
MODEL		SP-B90	SO-60-G	SP-B110
CONFIGURATION		CEILING CABINET	CEILING CABINET	CEILING CABINET
AIR FLOW (CFM)		78	75	100
EXTERNAL STATIC PRESSURE(ESP) (IN. WG)		0.2	0.2	0.2
SONES				
MOTOR FAN POWER		50 W	1/80HP	80 W
MOTOR FAN SPEED (RPM)		700	1550	950
DRIVE TYPE		DIRECT	DIRECT	DIRECT
ELECTRICAL SERVICE (VOLT/PH/HZ)		120/1/60	120/1/60	120/1/60
OPERATING WEIGHT (LBS)		9	28	10
DIMENSION (LxWxH) (IN)		13.88x11.5x7	13x12x12	13.88x11.5x7
OPENING (LxW) (IN)		14.875x13.25	-	14.875x13.25
NOTES		1,2,3	1,2,4	1,2,4
NOTES AND ACCESSORIES:				
1. PROVIDE GRILLE COLOR PER ARCH. SPECS				
2. PROVIDE BACKDRAFT DAMPER				
3. PROVIDE FAN INTERLOCK WITH LIGHT SWITCH				
4. PROVIDE FAN INTERLOCK WITH WALL SWITCH				

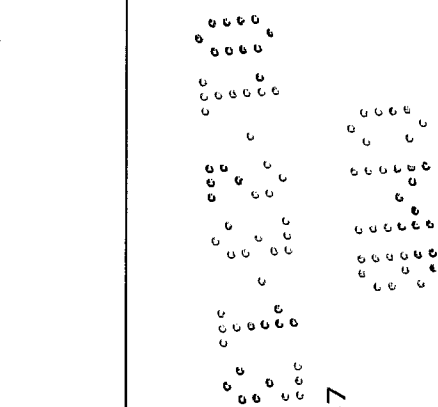
SPLIT AC UNIT SCHEDULE		AHU-1	AHU-2	AHU-3	AHU-4	AHU-5	AHU-6	AHU-7
UNIT DESIGNATION		SEE DWG.	SEE DWG.	SEE DWG.	SEE DWG.	SEE DWG.	SEE DWG.	SEE DWG.
AREA SERVED		4.0	3.5	2.0	3.5	2.5	4.0	3.0
NOMINAL CAPACITY		4.0	3.5	2.0	3.5	2.5	4.0	3.0
LOCATION		A/C CLOSET	A/C CLOSET	A/C CLOSET	A/C CLOSET	A/C CLOSET	A/C CLOSET	A/C CLOSET
OPERATING WEIGHT, LBS		207	172	147	172	153	207	165
DESIGN MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL NUMBER		FV4CNB006T00	FV4CNB005T00	FV4CNF003T00	FV4CNB005T00	FE4CNF003T00	FV4CNB006T00	FV4CNB005T00
ACTUAL SEER		16.0	16.0	16.0	16.0	16.0	16.0	16.0
REFRIGERANT TYPE		R-410	R-410	R-410	R-410	R-410	R-410	R-410
TOTAL AIR, CFM		1600	1400	800	1400	1000	1600	1200
VENT AIR, CFM		-	-	-	-	-	-	-
EXTERNAL STATIC PRESSURE, IN OF WATER		0.4	0.4	0.4	0.4	0.4	0.4	0.4
FAN MOTOR HP. (NON-OVERLOAD)		3/4	1/2	1/2	1/2	1/2	3/4	3/4
ELECTRICAL SERVICE AVAILABLE		240/1/60	240/1/60	240/1/60	240/1/60	240/1/60	240/1/60	240/1/60
VARIABLE SPEED ECM BLOWER MOTOR		YES	YES	YES	YES	YES	YES	YES
FACE VELOCITY - FPM		----	----	----	----	----	----	----
DESIGN AIR ACROSS COIL, CFM		1600	1400	800	1400	1000	1600	1200
GRAN TOTAL CAPACITY, BTU/HR		42.7	38.2	21.4	38.2	26.3	42.7	31.6
TOTAL SENSIBLE CAPACITY, BTU/HR		33.1	28.5	15.9	28.5	19.7	33.1	24.0
ENTERING AIR TEMP., °F DB/WB		75/63	75/63	80/67	75/63	75/63	75/63	75/63
COIL MODEL NO.		----	----	----	----	----	----	----
DIMENSIONS (L x W x H) INCHES		25 x 23 x 60	25 x 23 x 54	22 x 23 x 54	25 x 23 x 54	25 x 23 x 54	25 x 23 x 60	22 x 23 x 54
TYPE & THICKNESS		DISPOSABLE-1"	DISPOSABLE-1"	DISPOSABLE-1"	DISPOSABLE-1"	DISPOSABLE-1"	DISPOSABLE-1"	DISPOSABLE-1"
HEAT COIL TYPE		ELECT.	ELECT.	ELECT.	ELECT.	ELECT.	ELECT.	ELECT.
ELECTRICAL SERVICE AVAILABLE		240/1/60	240/1/60	240/1/60	240/1/60	240/1/60	240/1/60	240/1/60
AUXILIARY ELECTRIC HEAT, KW		10.0	8.0	5.0	8.0	5.0	10.0	8.0
STAGES & KW PER STAGE		2 / 5	2 / 4	2 / 2.5	2 / 4	2 / 2.5	2 / 5	2 / 4
HEATER + MOTOR MCA/MOCP (AMP)		53.8 / 60	44.7 / 45	31.2 / 35	44.7 / 45	31.2 / 35	53.8 / 60	44.7 / 45
UNIT DESIGNATION		CU-1	CU-2	CU-3	CU-2	CU-5	CU-6	CU-7
TYPE OF FAN		PROP.	PROP.	PROP.	PROP.	PROP.	PROP.	PROP.
NO. OF FANS AND FLA (AMP.) / HP		1- 1.2 / 1/4	1- 1.2 / 1/5	1- 0.75 / 1/10	1- 1.2 / 1/5	1- 0.75 / 1/10	1- 1.2 / 1/4	1- 0.75 / 1/10
AMBIENT AIR TEMP. °F DB		95	95	95	95	95	95	95
CONDENSING TEMP. °F DB		----	----	----	----	----	----	----
NO. OF COMPRESSORS/ TYPE		1 STAGE SCROLL	1 STAGE SCROLL	1 STAGE SCROLL	1 STAGE SCROLL	1 STAGE SCROLL	1 STAGE SCROLL	1 STAGE SCROLL
COMPRESSORS F.L.A./L.R.A. EACH		19.9 / 109	17.9 / 112	13.5 / 58.3	17.9 / 112	12.8 / 64	19.9 / 109	14.1 / 77
CAPACITY REDUCTION		0-50-100%	0-50-100%	0-50-100%	0-50-100%	0-50-100%	0-50-100%	0-50-100%
MIN. CIRC. AMP		26.1	23.6	17.7	23.6	16.8	26.1	18.1
MAX. CIRC. PROT.		40	40	25	40	25	40	30
ELECTRICAL SERVICE AVAILABLE		240/1/60	240/1/60	240/1/60	240/1/60	240/1/60	240/1/60	240/1/60
OPERATING WEIGHT, LBS		264	213	147	213	153	264	165
DESIGN MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL NUMBER		24ABC648A003	24ABC642A003	24ABC624A003	24ABC642A003	24ABC630A003	24ABC648A003	24ABC636A003
REFRIG. PIPE SIZE, SUCTION/LIQUID		7/8" - 3/8"	7/8" - 3/8"	3/4" - 3/8"	7/8" - 3/8"	3/4" - 3/8"	7/8" - 3/8"	7/8" - 3/8"
DIMENSIONS (L x W x H) INCHES		35 x 35 x 40	35 x 35 x 40	32 x 32 x 29	35 x 35 x 40	32 x 32 x 33	35 x 35 x 40	35 x 35 x 29

- NOTES:
- PROVIDE PROGRAMMABLE THERMOSTAT.
 - FAN COIL UNIT SHALL BE PROVIDED WITH FACTORY INSTALLED CIRCUIT BREAKER.

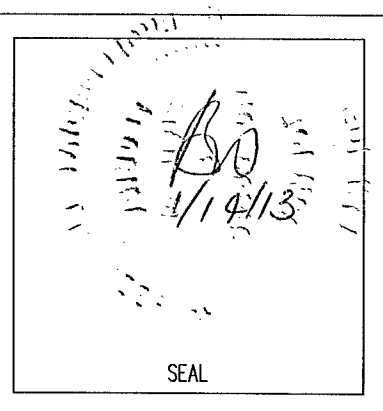
H.V.A.C. GENERAL NOTES:

- THE WORK THAT IS TO BE DONE UNDER THIS HEADING INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, PERMITS, FEES INSPECTIONS, TESTS, INSURANCE, ETC., REQUIRED FOR THE COMPLETION OF THE AIR CONDITIONING SYSTEM SHOWN ON THE DRAWINGS AND/ OR LISTED BELOW.
- CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND SCOPE OF WORK. CONTRACTOR SHALL SUBMIT ANY DISCREPANCIES TO ARCHITECT-ENGINEER FIFTEEN (15) DAYS PRIOR TO BIDS. THE NATURE OF THIS PROJECT INVOLVES THE REMODELING OF EXISTING FACILITIES.
- INTERRUPTION OF EXISTING FACILITIES AND/OR SERVICES SHALL BE KEPT TO A MINIMUM AND THE CONTRACTOR SHALL FURNISH ALL MATERIALS REQUIRED WHENEVER TEMPORARY CONNECTIONS ARE NECESSARY TO MAINTAIN CONTINUITY OF SERVICES. COORDINATE ALL INTERRUPTION OF SERVICES WITH THE OWNER'S REPRESENTATIVE.
- VENTILATION DUCTWORK SHALL BE GALVANIZED STEEL WITH GAUGES, DUCT CONSTRUCTION, BRACING AND SUSPENSION IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE LATEST EDITION OF THE A.S.H.R.A.E. GUIDE AND S.M.A.C.N.A. STANDARDS. DUCT SIZES SHOWN ARE "INSIDE" DIMENSIONS. VERIFY EXACT LOCATION OF DUCT WITH RESPECT TO STRUCTURE BEFORE FABRICATION.
- FLEXIBLE DUCT SHALL BE STEEL HELIX WIRE ON 7/8" CENTERS, ENCAPSULATED IN A CONTINUOUS SOFT VINYL FILM, JOINED BY MOLECULAR WELDING TO FORM AN AIR TIGHT INNER CORE. THE CORE IS TO BE INSULATED WITH FIBERGLASS INSULATION (R-6), AND SHEATHED IN A REINFORCED, ALUMINUM METALIZED POLYESTER VAPOR BARRIER JACKET. PROVIDE SPIN COLLAR WITH DAMPER AND EXTRACTOR WHERE FLEXIBLE DUCT IS CONNECTED TO RECTANGULAR DUCTWORK. DAMPER ACTUATOR SHALL BE EXTENDED OUTSIDE INSULATION.
- AIR CONDITIONING SUPPLY DUCTWORK SHALL BE 1-1/2" (R-6 MIN.) FIBERGLASS ULL 181 LISTED, CLASS 1 AIR DUCT. DUCTWORK SHALL BE FABRICATED IN ACCORDANCE WITH S.M.A.C.N.A. STANDARDS. (R-6 TOP LEVEL, R-4,2 IN OTHER LEVELS).
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION AND IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS.
- SUBMIT SHOP DRAWING OF ALL MATERIALS AND EQUIPMENT FOR APPROVAL PRIOR TO FABRICATION.
- OBTAIN FULL INFORMATION REGARDING PECULIARITIES AND LIMITATIONS OF SPACE AVAILABLE FOR INSTALLATION OF THE EQUIPMENT AND MATERIALS UNDER CONTRACT AND PROVIDE READY ACCESSIBILITY TO DAMPERS, VALVES AND OTHER APPARATUS, INCLUDING ANY PART OF SYSTEM REQUIRED TO BE REACHED FOR MAINTENANCE AND OPERATIONS.
- CUT ALL OPENINGS AND CHASES REQUIRED TO ACCOMMODATE THE WORK UNDER THIS DIVISION, AND REPAIR ALL FLOORS, WALLS, ETC., DAMAGED BY SUCH CUTTINGS. ALL WORK DONE UNDER THIS HEADING MUST CONFORM IN EVERY RESPECT TO FINISH AND QUALITY OF MATERIALS AND WORKMANSHIP SPECIFIED UNDER APPROPRIATE SECTIONS FOR THE BUILDING.
- TEMPERATURE CONTROL SHALL BE A ROOM THERMOSTAT FOR HEATING/COOLING WITH STAGES AS REQUIRED.
- VIBRATION ISOLATION: ALL EQUIPMENT AS PER MANUFACTURER RECOMMENDATIONS TO ELIMINATE ANY EQUIPMENT NOISE FROM BEING HEARD.
- GUARANTEES:
A. ALL COMPRESSOR MOTORS ON NEW EQUIPMENT FURNISHED UNDER THIS CONTRACT SHALL HAVE A 5 YEARS PRODUCT GUARANTEE FROM DATE OF START-UP.
B. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN A 1 YEAR FROM DATE OF ACCEPTANCE.
- TESTING:
A. ALL REFRIGERANT HIGH SIDE PIPING TO 300 PSIG. LOW SIDE TO 150 PSIG. AFTER TESTING, EVACUATE SYSTEM TO 28% MERCURY GAUGE PRESSURE WITH VACUUM PUMP. HOLD FOR 25 HOURS WITH PUMP OFF. BREAK VACUUM WITH REFRIGERANT.
- MECHANICAL CONTRACTOR SHALL VERIFY DIRECTION OF EXISTING STRUCTURE BEFORE INSTALLATION OF EQUIPMENTS AND DUCTWORK. SHOULD ANY DISCREPANCIES BE FOUND CONTACT ARCHITECT/ENGINEER.
- IN COMPLIANCE WITH THE FLORIDA BUILDING CODE MECHANICAL 307.2.3, PROVIDE, INSTALL AND CONNECT AN APPROVED WATER LEVEL DETECTOR OR FLOAT SWITCH TO CONTROL OVERFLOW BY AUTOMATICALLY SHUTTING DOWN EQUIPMENT UPON ACTIVATION OF DETECTOR.
- EXHAUST DUCT SHALL BE GALVANIZED STEEL DUCT NOT LIGHTER THAN 26 GAGE AS PER TABLE 603.4, FBCM-2010. PROVIDE CORROSIVE-RESISTANT SCREEN AT DUCT TERMINATION AS PER SECTION 401.5, FBCM-2010
- EXHAUST DUCT FOR DOMESTIC DRYER SHALL HAVE SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF METAL A MINIMUM OF 26 GAGE (0.016") AS PER FBCM-2010, SECTION 504.6.1 AND SHALL BE INSTALLED AS PER THE REQUIREMENTS DESCRIBED ON FBCM-2010, SECTION 504.6.2.

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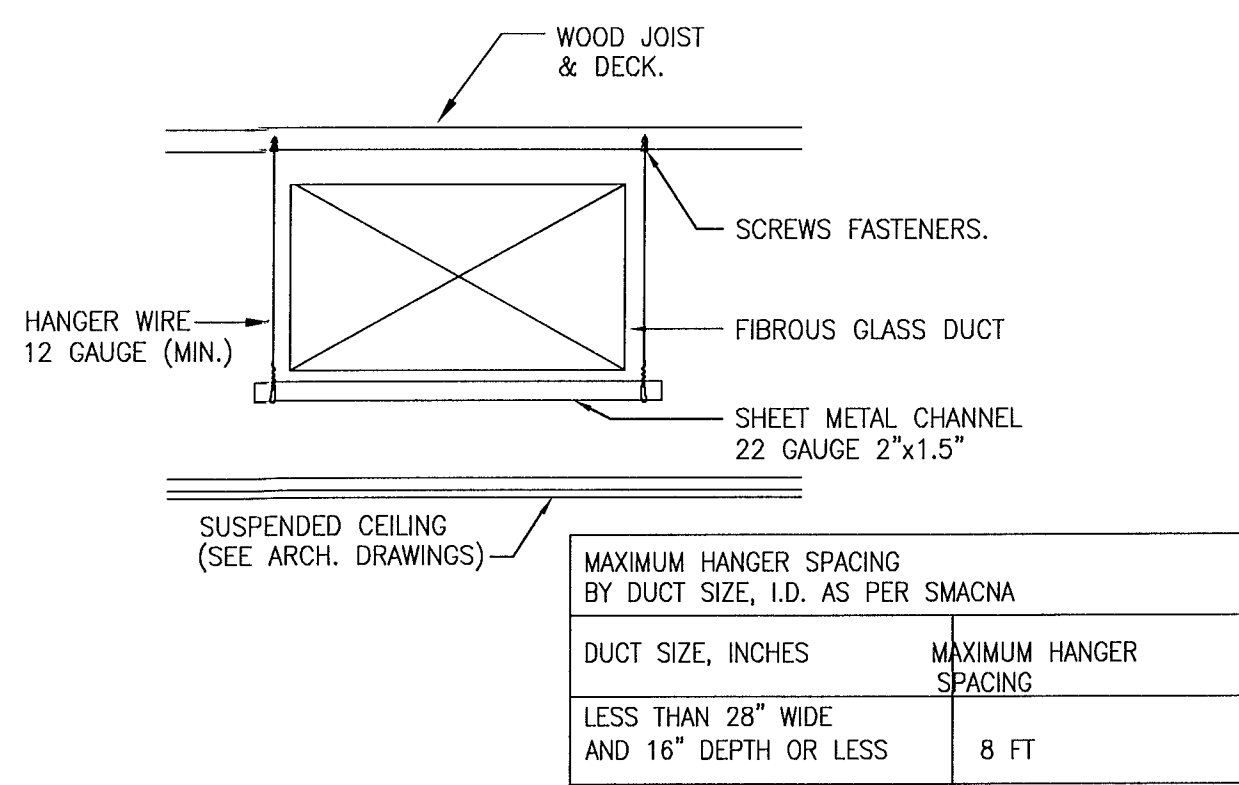


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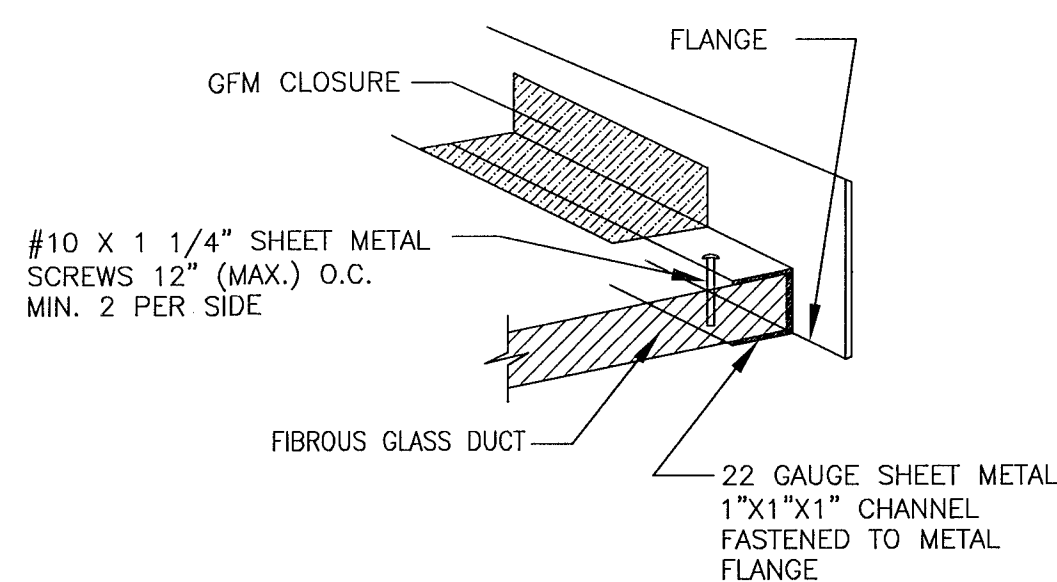
M-3



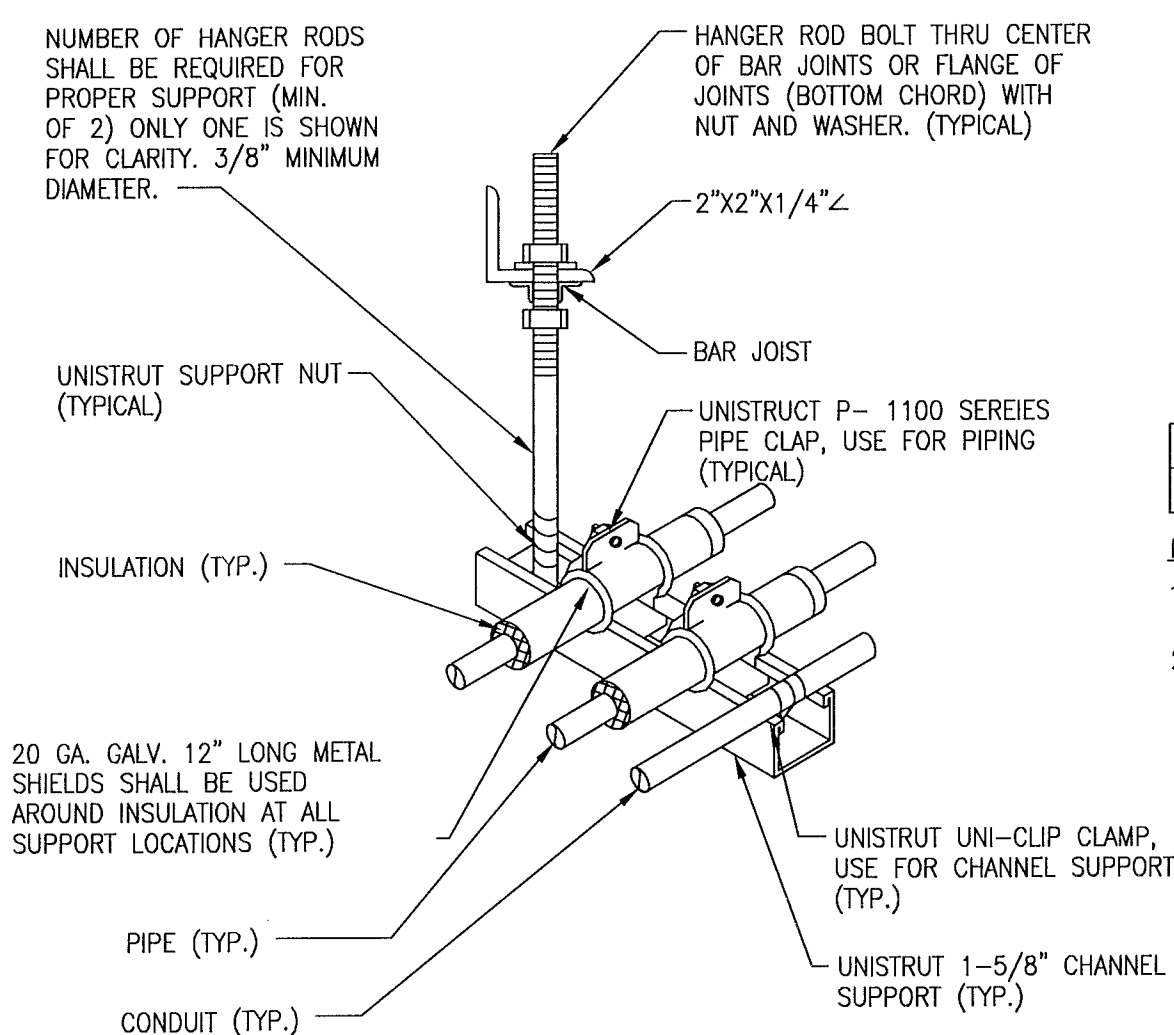
DUCT HANGER DETAIL
N.T.S.

NOTE: SHEET METAL CONNECTIONS MUST BE MADE USING GLASS FABRIC AND MASTIC (GFM)

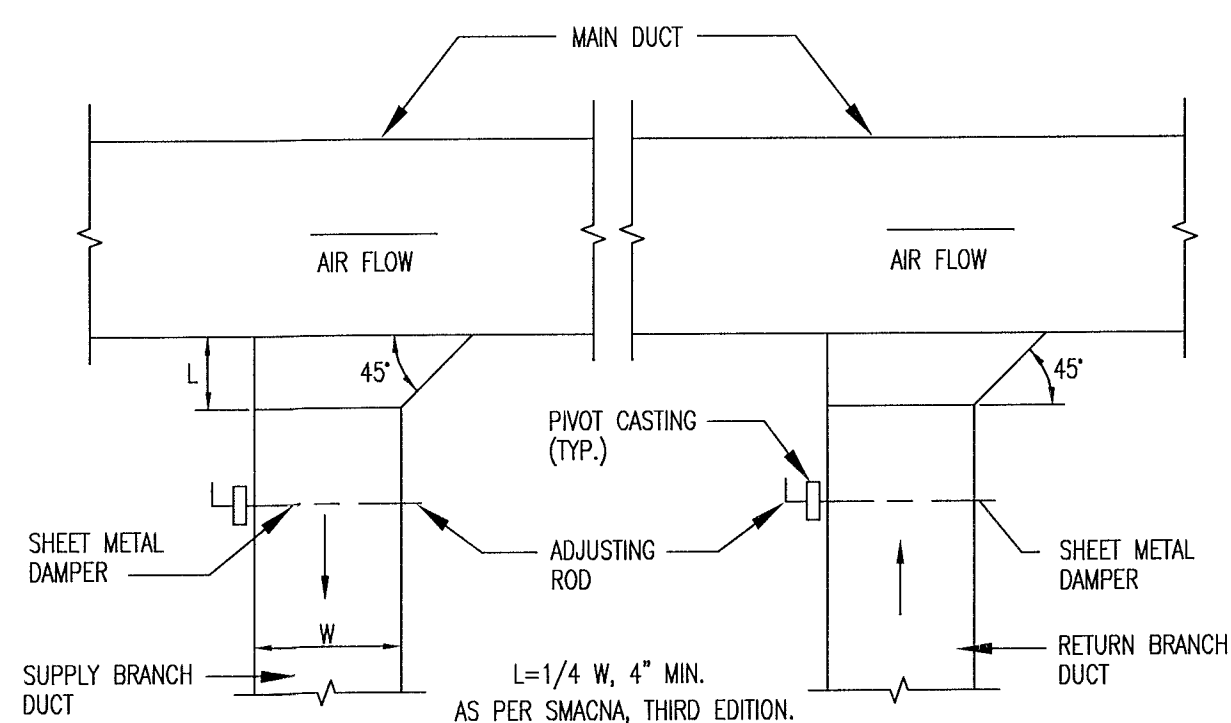
EXCEPTION: WHEN CONSTRUCTION PRESSURE CLASS IS 1" W.G. OR LESS AND SHEET METAL SURFACES ARE CLEANED CAREFULLY UL LISTED PRESSURE-SENSITIVE ALUMINUM TAPE MAY BE USED. ALL CONNECTIONS OF FIBROUS GLASS DUCT TO EQUIPMENT AND METAL DUCT MUST BE MECHANICALLY ATTACHED 12" (MAX.) ON CENTERS.



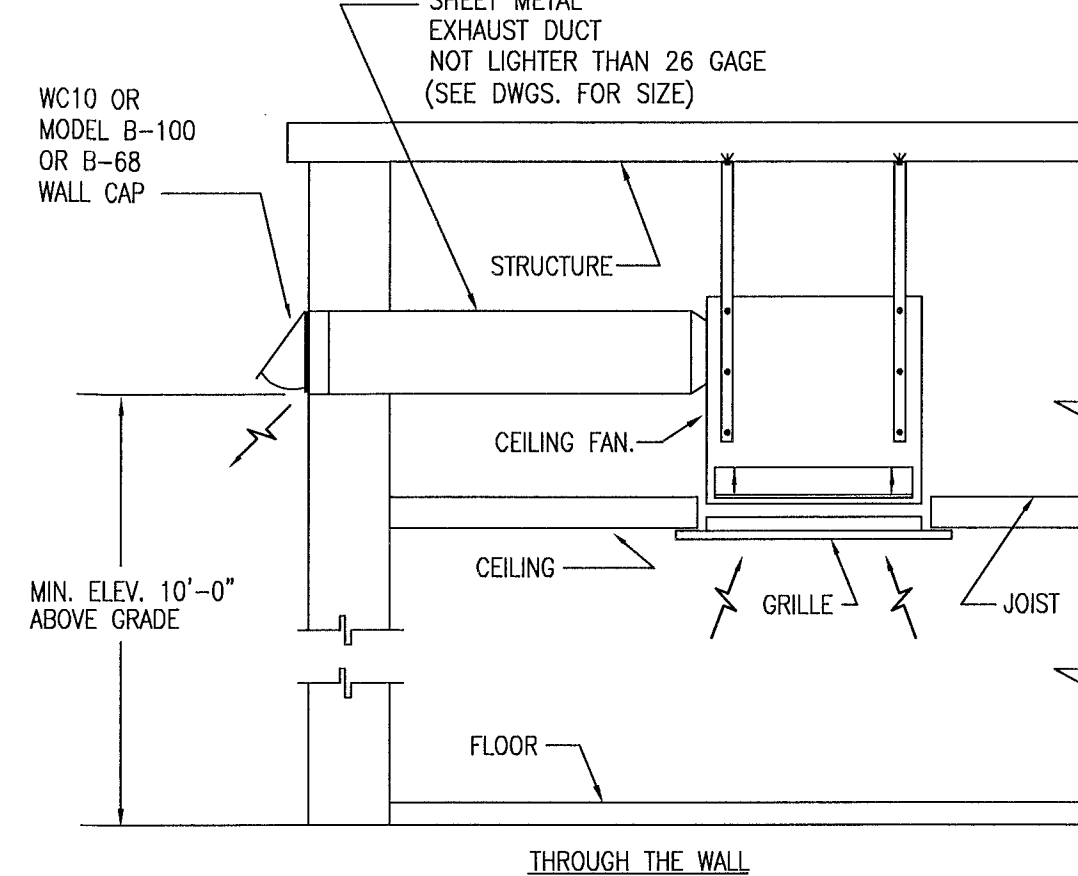
SHEET METAL AND EQUIPMENT CONNECTIONS DETAILS
N.T.S.



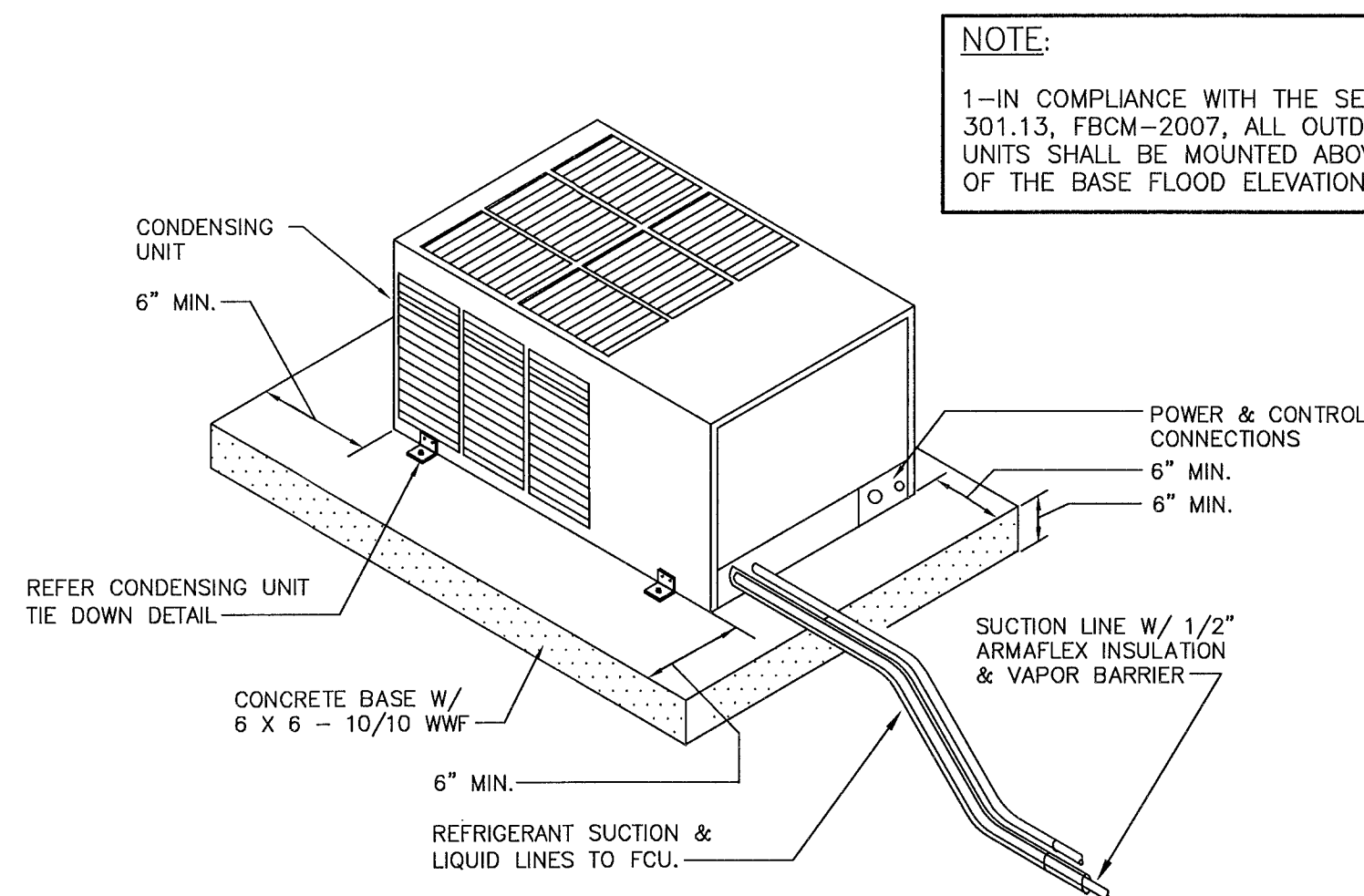
PIPING SUPPORT ABOVE CEILING
N.T.S.



DUCT BRANCH TAKE OFF DETAIL
N.T.S.



TOILET EXHAUST DETAIL
N.T.S.



NOTE: CONCRETE SCREWS SHALL BE RATED FOR 500 LBS. MIN. FULL-OUT CAPACITY.

CONDENSING UNIT MOUNTING DETAIL
N.T.S.

NOM. SIZE	MAXIMUM PIPE / TUBING SUPPORT SPACING, FEET							
	THRU 3/4"	1	1-1/4"	1-1/2"	2			
CUPPER PIPE	5 FT	6	7	8	8			

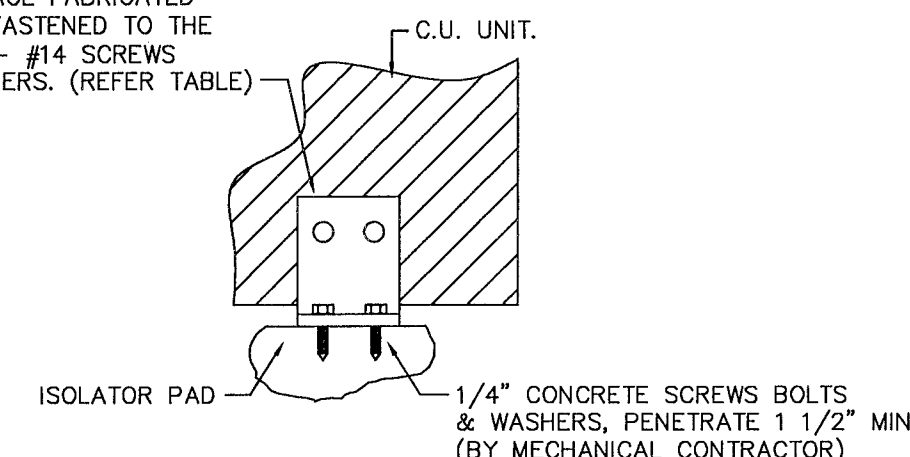
NOTES:

- ALL PIPE CONDUIT, ETC. OF ALL TRADES SHALL BE COMBINED ON SAME SUPPORT CHANNEL WHERE PRACTICAL.
- SUPPORT CHANNEL LENGTH SHALL NOT BE DETERMINED UNTIL ALL PIPING, CONDUIT, ETC. TO BE SUPPORTED IS COORDINATED.

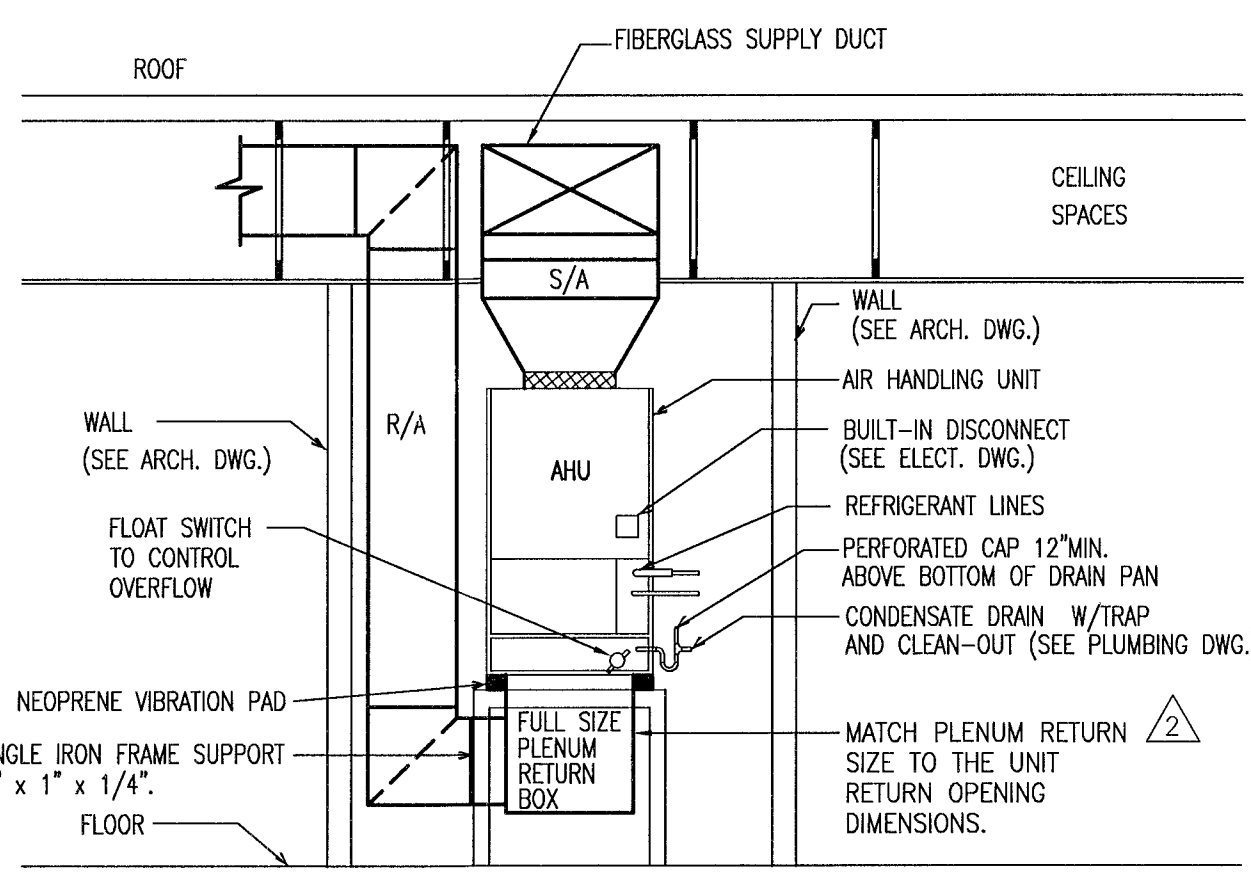
NOTE: 1-IN COMPLIANCE WITH THE SECTION 301.13, FBCM-2007, ALL OUTDOOR UNITS SHALL BE MOUNTED ABOVE OF THE BASE FLOOD ELEVATION.

COND. UNIT TIE DOWN SCHEDULE						
UNIT SIDES	# SCREWS PER SIDES	ANCHOR DIA.	EMBEDMENT	# CONCRETE SCREWS BOLTS	STEEL ANGLE	GAGE
12"	1 #14	3/16" DIA.	1 1/4"	1/4"	1"x1"x1"	18
12" THRU 24"	2 #14	1/4" DIA.	1 1/2"	1/4"	2"x2"x2"	16
24" THRU 36"	3 #14	1/4" DIA.	1 1/2"	1/4"	2"x2"x2"	16
36" OR 5 TONS	3 #12	1/4" DIA.	1 3/4"	1/4"	2"x2"x2"	16

MAXIMUM WIND SPEED OF 150 MILES PER HOUR.
2"x2"x2" LONG 16 GAGE FABRICATED STEEL ANGLE (080) FASTENED TO THE UNIT FRAME USING 2- #14 SCREWS WITH GASKETED WASHERS. (REFER TABLE)

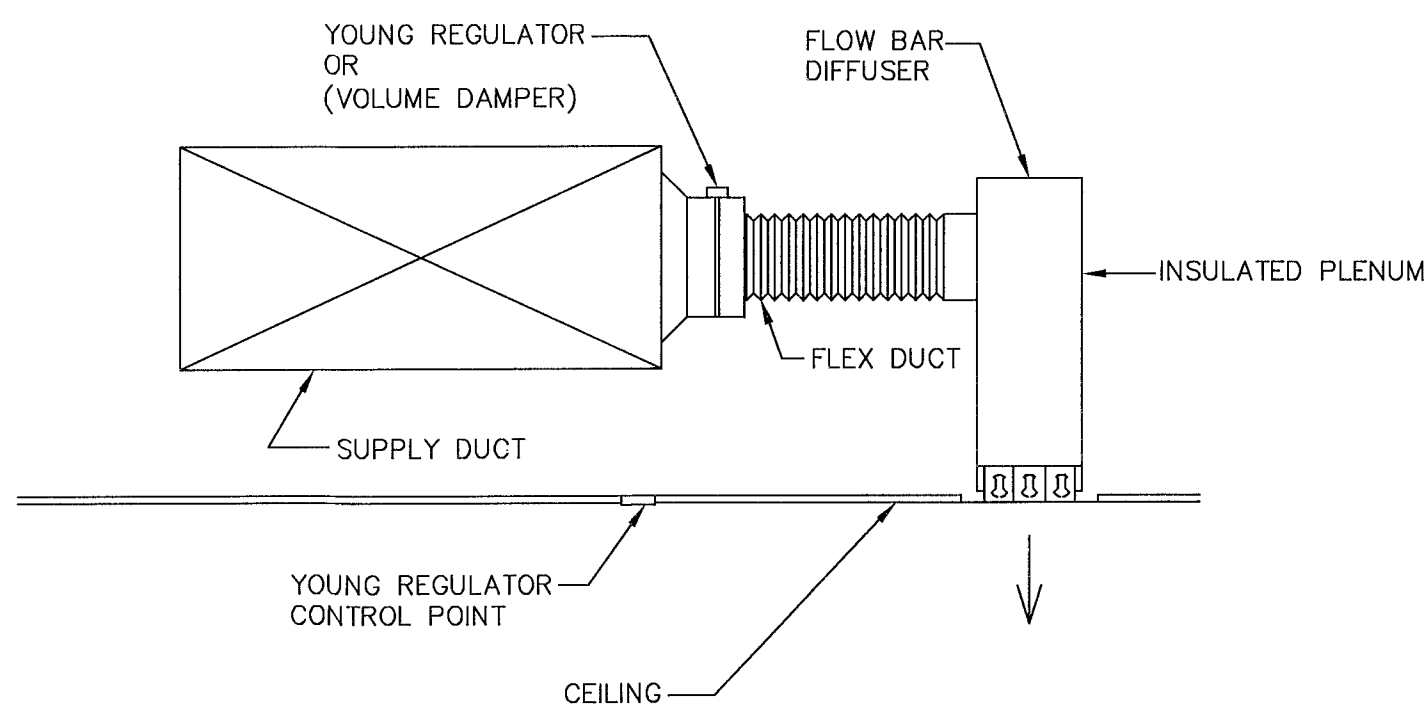


C.U. UNIT TIE DOWN DETAIL
N.T.S.



NOTE: PROVIDE MIN. 4" CLEARANCE AROUND AIR HANDLING UNIT F.B.C.M. SECTION 603.1.3

A/C UNIT MOUNTING DETAIL
N.T.S.



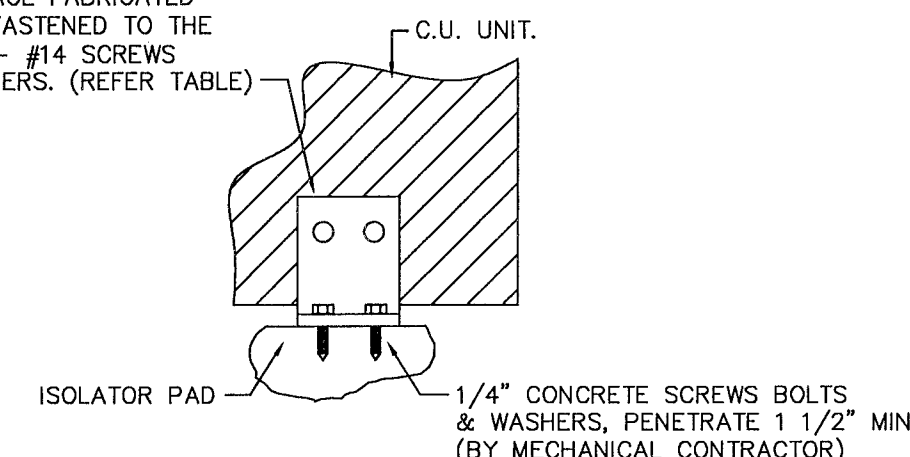
TYPICAL FLOW BAR DIFFUSER INSTALLATION DETAIL
N.T.S.

* BOWDEN CABLE CONTROL SYSTEM.

NOTE: GROUND MOUNTED UNITS, IS BASED ON THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, TO COMPLY WITH THE WIND RESISTANCE AND ANCHORING AS SPECIFIED IN SECTIONS 301.13 AND 301.13.1

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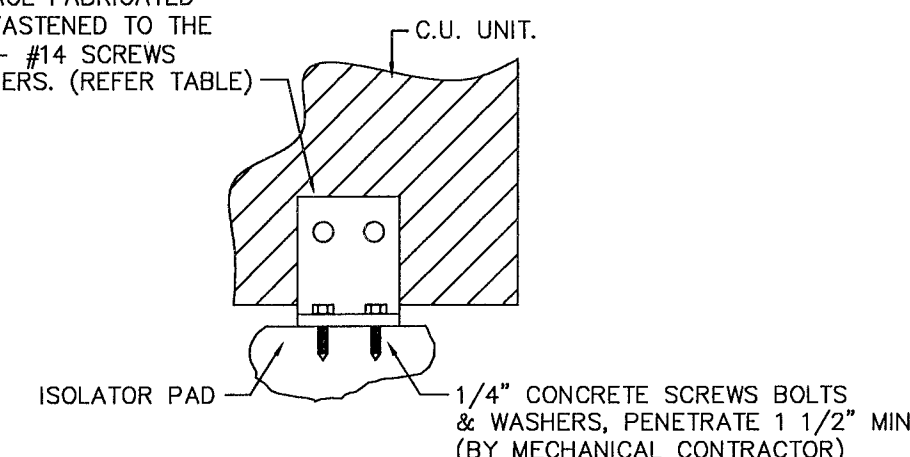


C.U. UNIT TIE DOWN DETAIL
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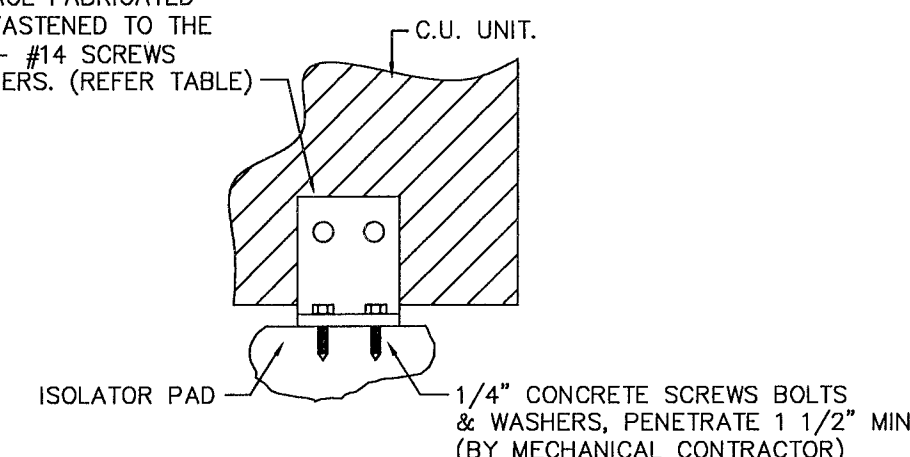


C.U. UNIT TIE DOWN DETAIL
N.T.S.

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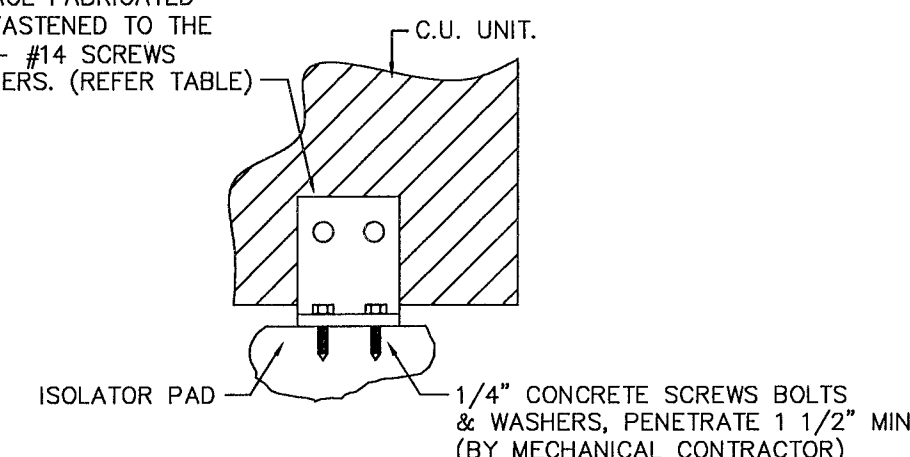


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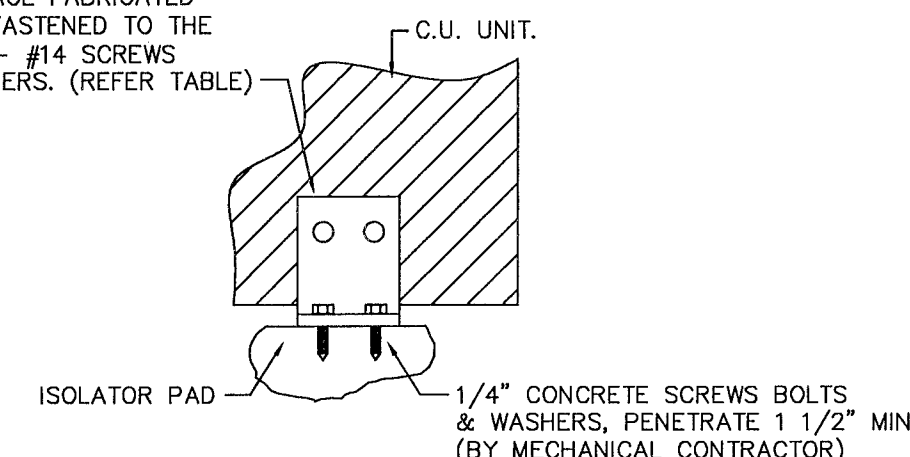


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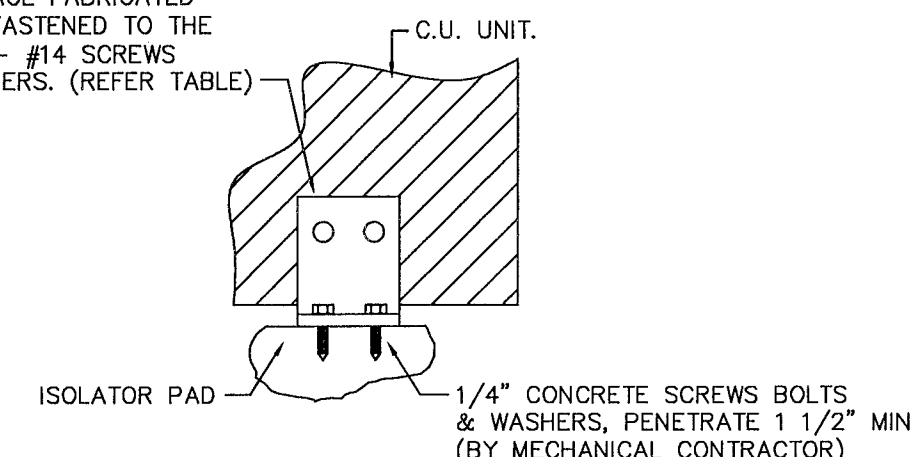


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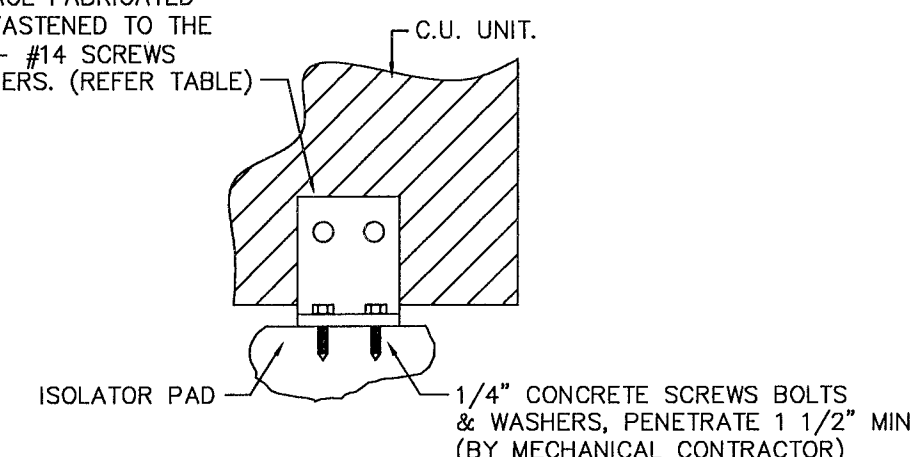


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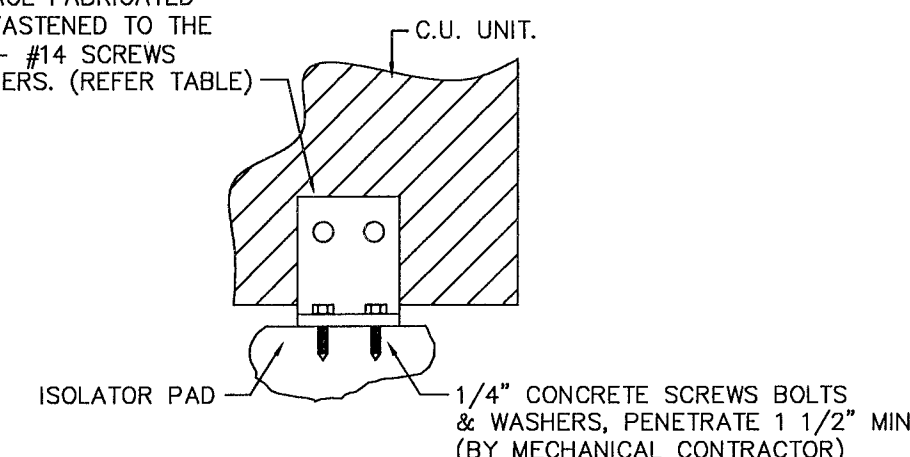


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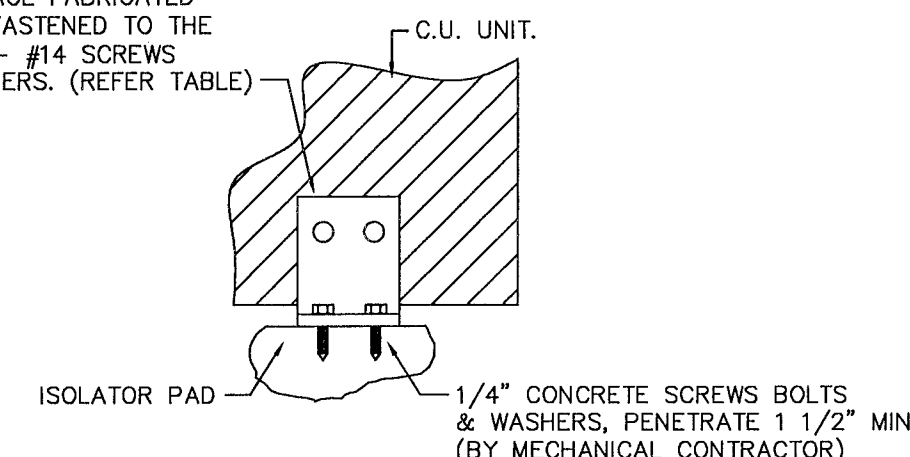


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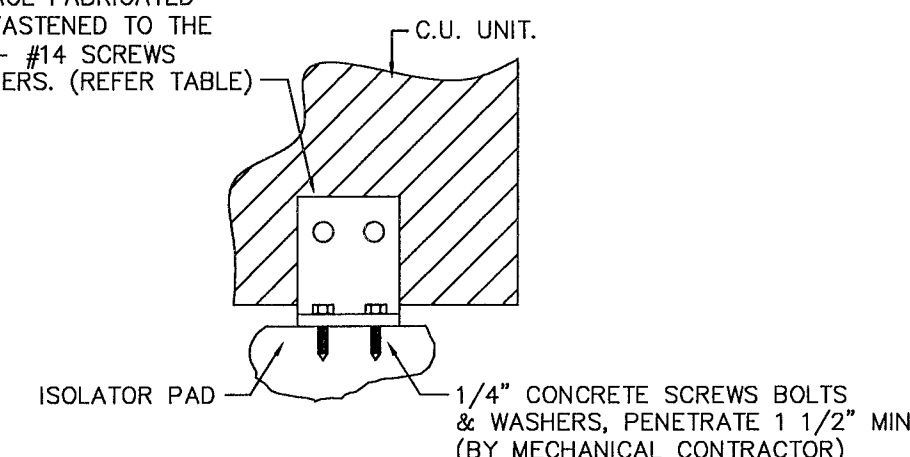


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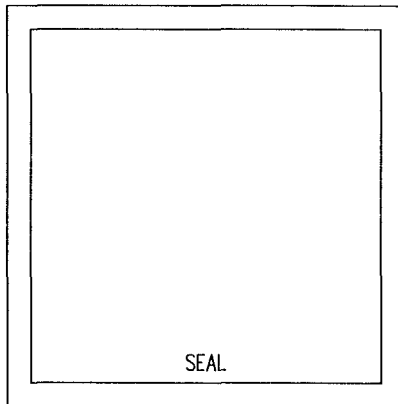
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TWR ENGINEER
33415 SW 13th Street Unit 1 Miami, FL 33186
P: 305-438-9377 F: 305-438-9378 www.twr-engineer.com
BU WAU P.E. LEED AP, C.A.S. No. 52148
Edwardo P. Torres P.E., LEED AP No. 58741
Gregory M. Jordan P.E., LEED AP No. 48328

DRAWN BY: G.M.J.	
REVISIONS:	
3	01.14.13 GEN.REV.

AA00003569
ANTHONY LEON
0016752

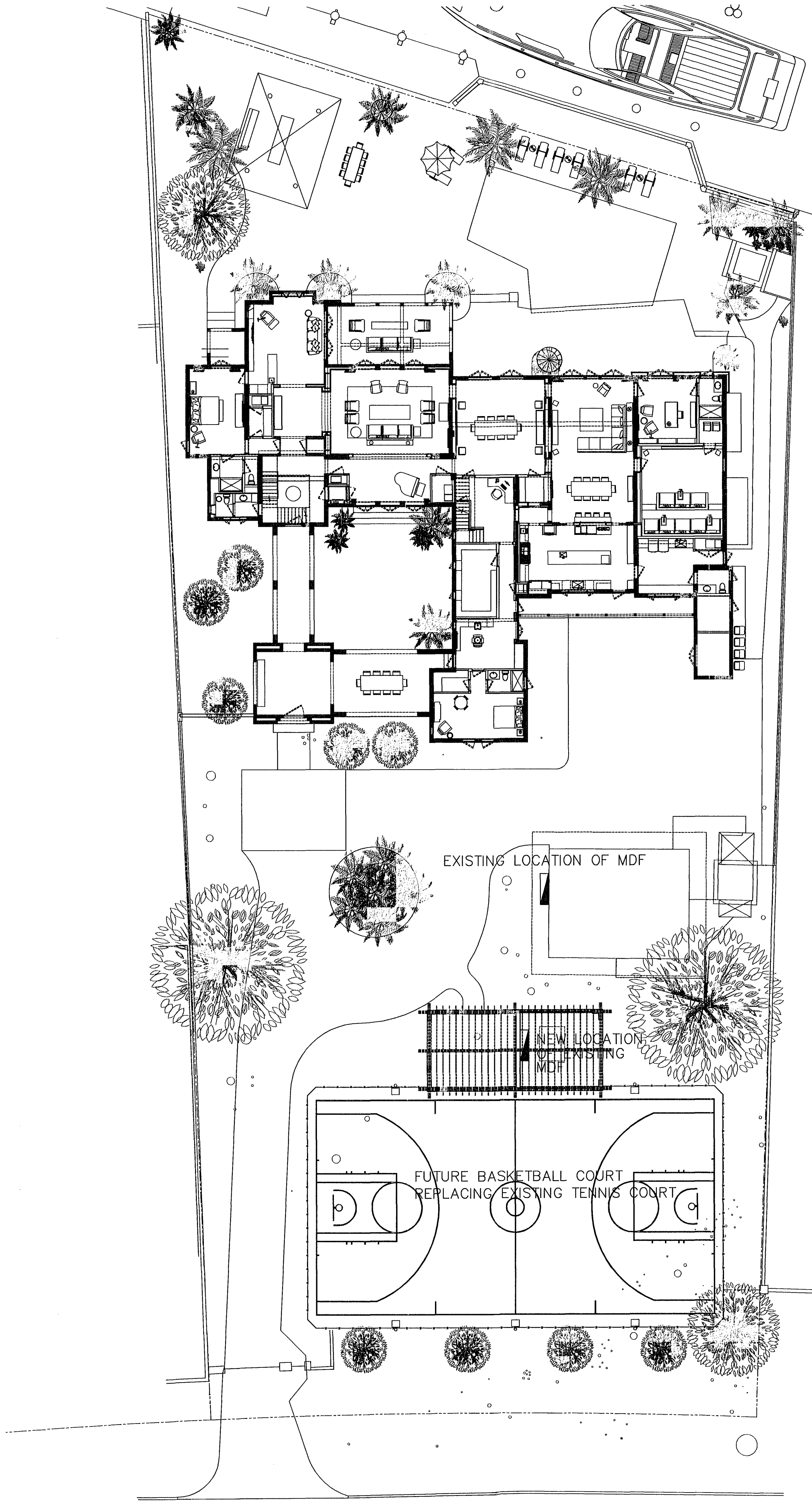
3 DESIGN
ARCHITECTURE
4300 Biscayne Blvd. #G-04 Miami, FL 33137
P: 305.438.9377 | F: 305.438.9379



RESIDENTIAL
REMODELING & ADDITION
5980 NORTH BAY ROAD
MIAMI BEACH, FL
33140

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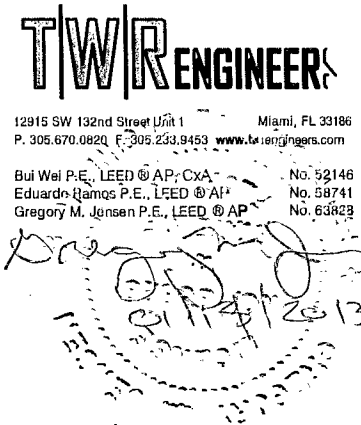
E-0
Technical Plans Examiner
CHECKED JAN 29 2013



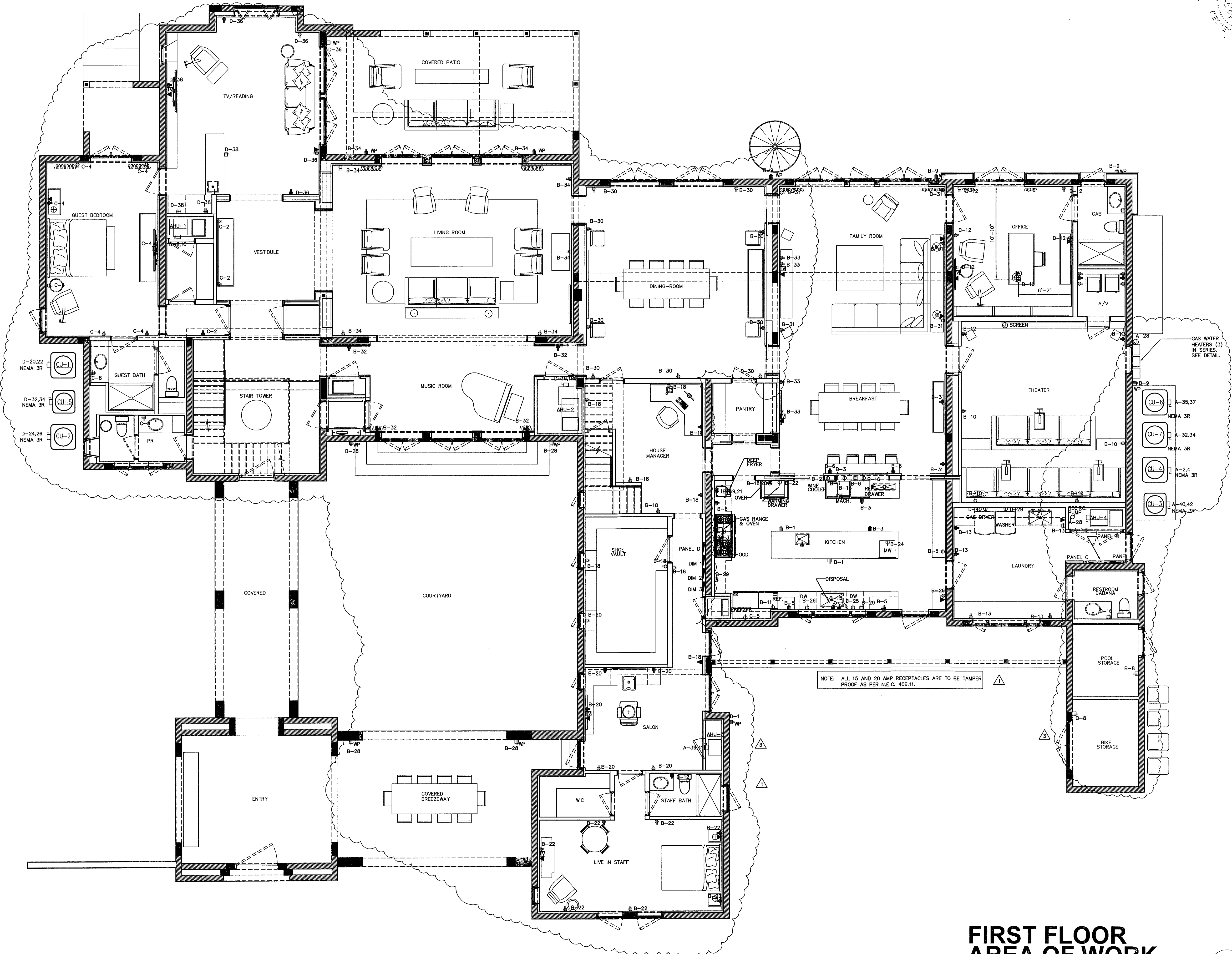
SITE PLAN

1/8"=1'-0"

NEW DRAWING

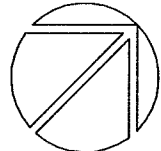


DRAWN BY:	
G.M.J.	
REVISIONS:	
04.05.12	BDC
01.14.13	GEN.REV.



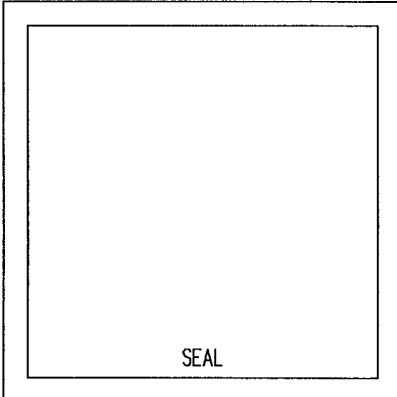
FIRST FLOOR
AREA OF WORK

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



AAC0003569
ANTHONY LEON
0006762

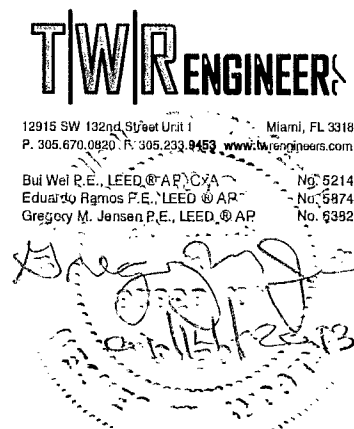
3
DESIGN
ARCHITECTURE



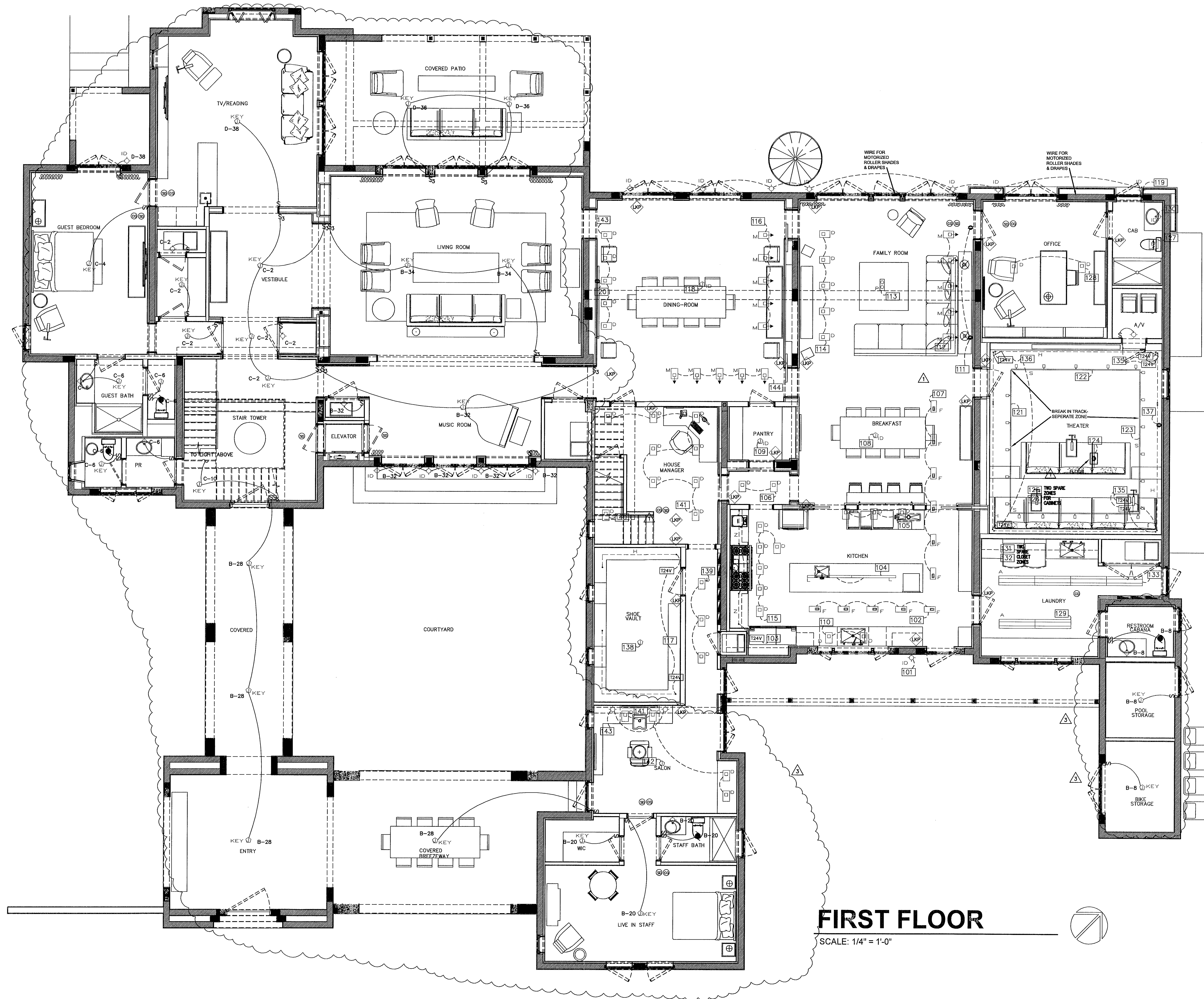
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REMODELING & ADDITION
5980 NORTH BAY ROAD
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33140

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E-1
Electrical Plans Examiner
CHECKED JAN 29 2013



DRAWN BY:		G.M.J.
REVISIONS:		
1	04.05.12	BDC
3	01.14.13	GEN.REV.



AA0003568
ANTHONY LEON
0016152

3
DESIGN
ARCHITECTURE

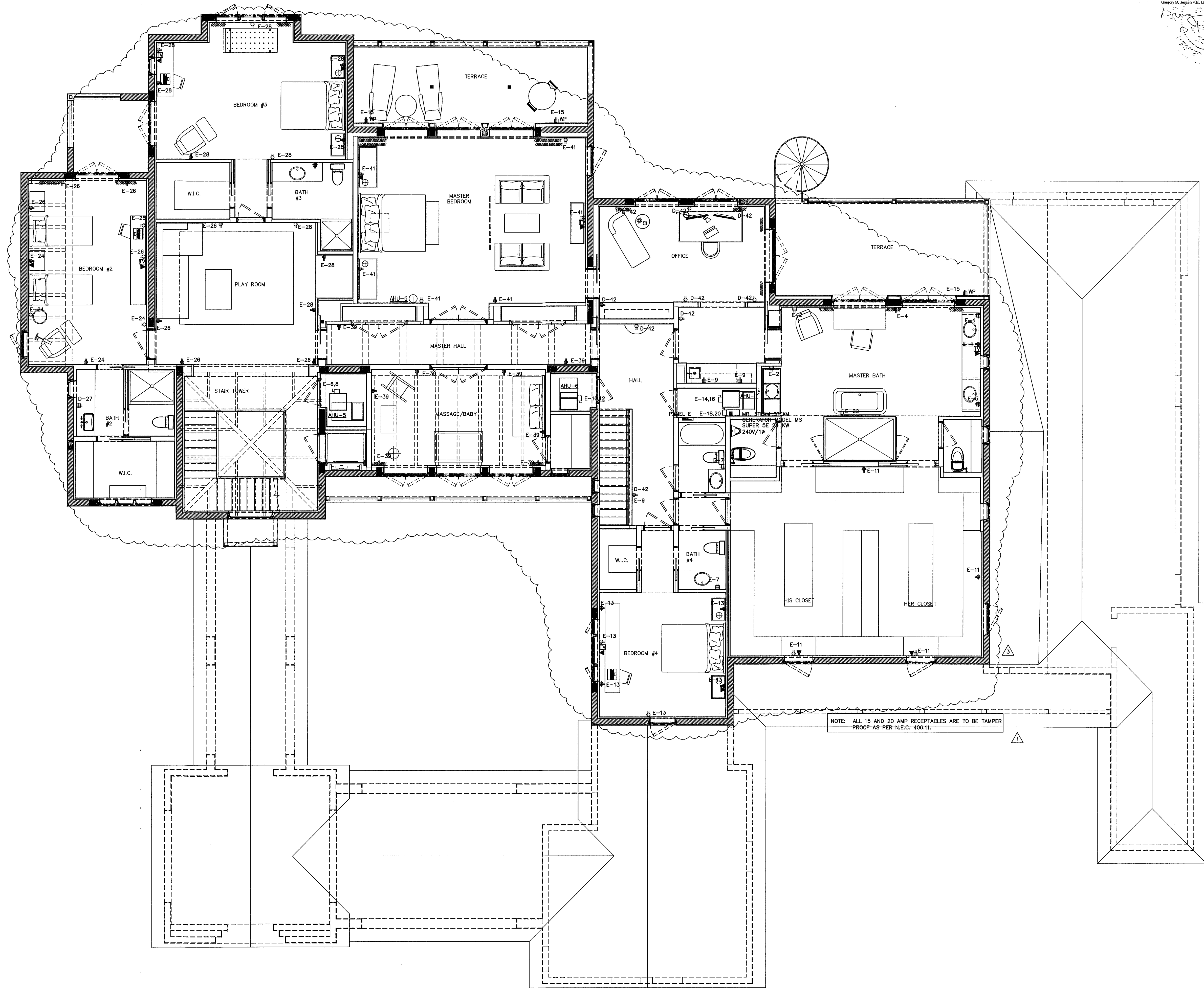
4300 Biscayne Blvd. #G-04, Miami, FL 33137
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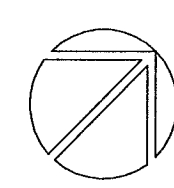
E-2

Electrical Plans Examiner
CHECKED JAN 29 2013



SECOND FLOOR

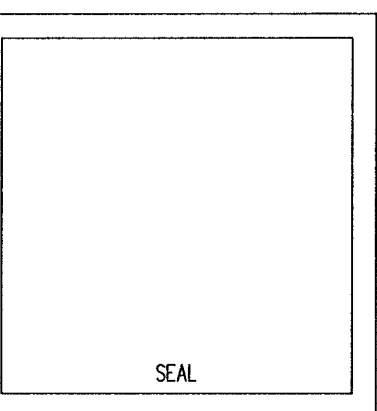
SCALE: 3/16" = 1'-0"



DRAWN BY: G.M.J.			
REVISIONS:			
1	04.05.12	BDC	
3	01.14.13	GEN.REV.	
4	02.05.13	BLD.COM	

AA0003569
ANTHONY LEON
0016752

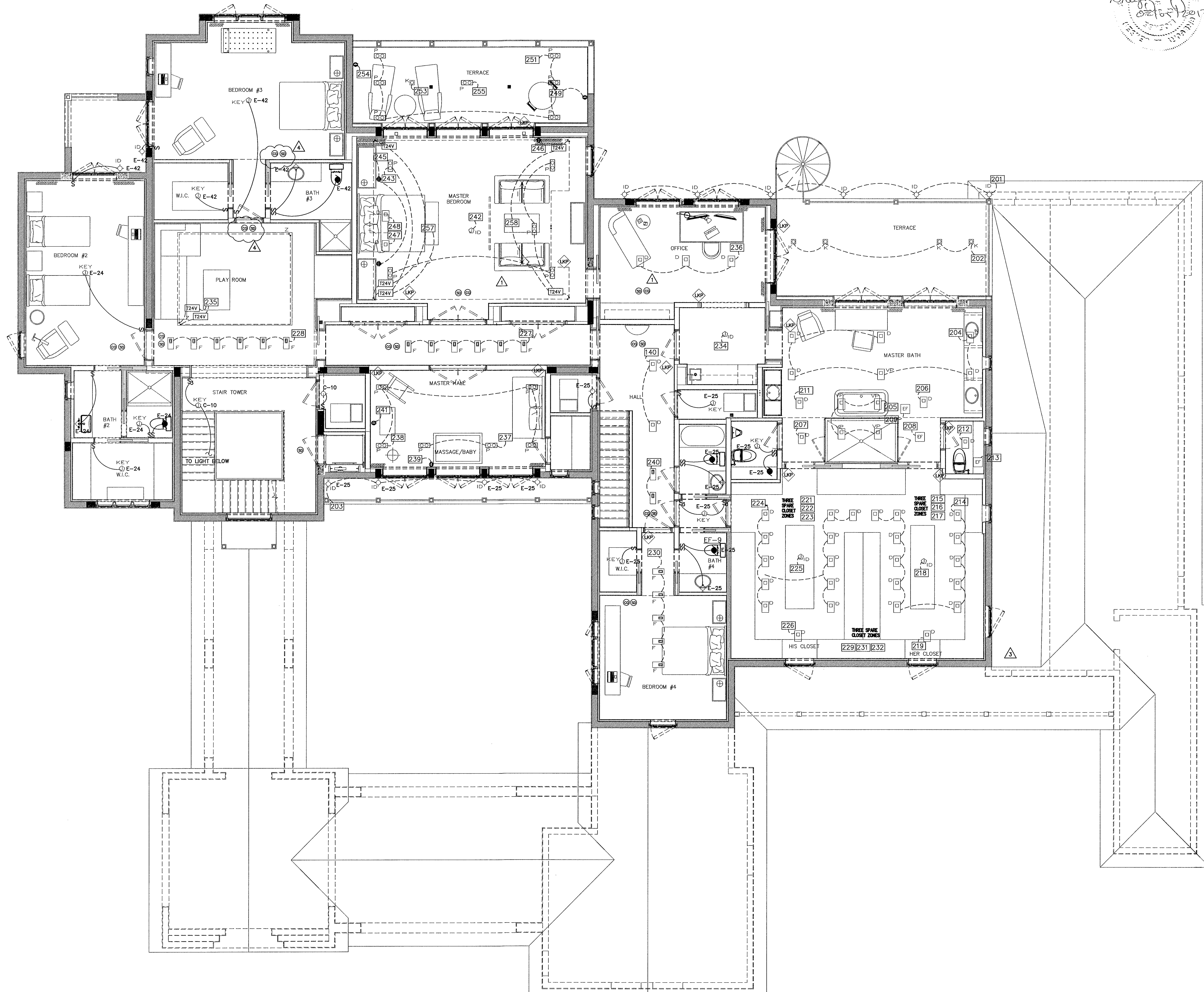
3 DESIGN
ARCHITECTURE
4300 Biscayne Blvd. #G-04, Miami, FL 33137
P: 305.438.9377 | F: 305.438.9379



RESIDENTIAL
REMODELING & ADDITION
5980 NORTH BAY ROAD
MIAMI BEACH, FL
33140

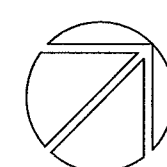
THESE PLANS ARE FOR BUILDING
DEPARTMENT REVIEW ONLY. THEY ARE NOT
TO BE CONSTRUED AS CONSTRUCTION
DOCUMENTS UNTIL ALL BUILDING
DEPARTMENT APPROVALS ARE OBTAINED.

E-4
Electrical Plans Examiner
Electrical Plans Examiner
CHECKED MAY 25 2013



SECOND FLOOR

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



TYPE: SQ D						MAIN BUS: 200 amps																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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<table><tr><th>KW</th><th>POLES/ TRIP</th><th>CONDUIT</th><th>WIRE</th><th>REMARKS</th><th>CKT</th><th>CKT</th><th>REMARKS</th><th>WIRE</th><th>CONDUIT</th><th>POLES/ TRIP</th><th>KW</th></tr><tr><td>6.46</td><td>2/60</td><td>3/4"</td><td>#6 THHN</td><td>AHU-4</td><td>1</td><td>2</td><td>CU-4</td><td>#8 THHN</td><td>3/4"</td><td>2/40</td><td>0.00</td></tr><tr><td>6.46</td><td></td><td></td><td></td><td></td><td>3</td><td>4</td><td></td><td></td><td></td><td></td><td>0.00</td></tr><tr><td>1.25</td><td>1/20</td><td>1/2"</td><td>#12 THHN</td><td>BAR LIGHTS</td><td>5</td><td>6</td><td>POWER RECEPTACLES</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.25</td></tr><tr><td>1.25</td><td>1/20</td><td>1/2"</td><td>#12 THHN</td><td>BACK WALL RECEPT.</td><td>7</td><td>8</td><td>GUEST BEDROOM RECEPT.</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.25</td></tr><tr><td>(*)</td><td>1/20</td><td>1/2"</td><td>#12 THHN</td><td>FAMILY ROOM RECEPT./LTS.</td><td>9</td><td>10</td><td>GUEST AND POWDER LIGHTS</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.50</td></tr><tr><td>1.25</td><td>1/20</td><td>1/2"</td><td>#12 THHN</td><td>BAR LIGHTS</td><td>11</td><td>12</td><td>KITCHEN SMALL APPLIANCES</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.25</td></tr><tr><td>1.25</td><td>1/20</td><td>1/2"</td><td>#12 THHN</td><td>FAMILY ROOM RECEPT.</td><td>13</td><td>14</td><td>GUEST BEDROOM LIGHTS</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.50</td></tr><tr><td></td><td>1/20</td><td></td><td></td><td></td><td>15</td><td>16</td><td>BAR ROOM RECEPTACLES</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.25</td></tr><tr><td>1.25</td><td>1/20</td><td>1/2"</td><td>#12 THHN</td><td>BAR RECEPTACLE</td><td>17</td><td>18</td><td>LIVING AND FOYER RECEPT.</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.25</td></tr><tr><td></td><td>1/20</td><td></td><td></td><td></td><td>19</td><td>20</td><td>LIGHTS AND RECEPTACLES</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.25</td></tr><tr><td>0.36</td><td>1/20</td><td>1/2"</td><td>#12 THHN</td><td>FAMILY ROOM RECEPT.</td><td>21</td><td>22</td><td>RECEPTACLES</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.50</td></tr><tr><td></td><td>1/20</td><td></td><td></td><td></td><td>23</td><td>24</td><td>KITCHEN SMALL APPLIANCES</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.25</td></tr><tr><td>1.50</td><td>1/20</td><td>1/2"</td><td>#12 THHN</td><td>DINNING ROOM RECEPTACLES</td><td>25</td><td>26</td><td>LIVING ROOM LIGHTS</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>1.25</td></tr><tr><td>1.25</td><td>1/20</td><td>1/2"</td><td>#12 THHN</td><td>POOL EXTERIOR LIGHTS</td><td>27</td><td>28</td><td>GAS WATER HEATER IGNITOR</td><td>#12 THHN</td><td>1/2"</td><td>1/20</td><td>0.20</td></tr><tr><td>1.25</td><td>1/20</td><td>1/2"</td><td>#12 THHN</td><td>EXTERIOR LIGHTS</td><td>29</td><td>30</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>2.25</td><td>2/30</td><td>1/2"</td><td>#10 THHN</td><td>WATER HEATER</td><td>31</td><td>32</td><td>CU-7</td><td>#10 THHN</td><td>3/4"</td><td>2/30</td><td>0.00</td></tr><tr><td>2.25</td><td></td><td></td><td></td><td></td><td>33</td><td>34</td><td></td><td></td><td></td><td></td><td>0.00</td></tr><tr><td>0.00</td><td>2/40</td><td>3/4"</td><td>#8 THHN</td><td>CU-6</td><td>35</td><td>36</td><td>SPARE</td><td></td><td></td><td>2/30</td><td></td></tr><tr><td>0.00</td><td></td><td></td><td></td><td></td><td>37</td><td>38</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>3.74</td><td>2/35</td><td>1/2"</td><td>#10 THHN</td><td>AHU-3</td><td>39</td><td>40</td><td>CU-3</td><td>#10 THHN</td><td>3/4"</td><td>2/25</td><td>0.00</td></tr><tr><td>3.74</td><td></td><td></td><td></td><td></td><td>41</td><td>42</td><td></td><td></td><td></td><td></td><td>0.00</td></tr><tr><td>35.51</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>14.70</td></tr><tr><td colspan="4">TOTAL KW CONNECTED=</td><td colspan="2">50.21</td><td colspan="6"></td></tr><tr><td colspan="4">TOTAL AMPS=</td><td colspan="2">209.21</td><td colspan="6"></td></tr><tr><td colspan="12">FEEDER SIZE: 3#3/0 THHN CU + 1#6 THHN CU GR IN 2" PVC SCH 40 (EXISTING)</td></tr></table>												KW	POLES/ TRIP	CONDUIT	WIRE	REMARKS	CKT	CKT	REMARKS	WIRE	CONDUIT	POLES/ TRIP	KW	6.46	2/60	3/4"	#6 THHN	AHU-4	1	2	CU-4	#8 THHN	3/4"	2/40	0.00	6.46					3	4					0.00	1.25	1/20	1/2"	#12 THHN	BAR LIGHTS	5	6	POWER RECEPTACLES	#12 THHN	1/2"	1/20	1.25	1.25	1/20	1/2"	#12 THHN	BACK WALL RECEPT.	7	8	GUEST BEDROOM RECEPT.	#12 THHN	1/2"	1/20	1.25	(*)	1/20	1/2"	#12 THHN	FAMILY ROOM RECEPT./LTS.	9	10	GUEST AND POWDER LIGHTS	#12 THHN	1/2"	1/20	1.50	1.25	1/20	1/2"	#12 THHN	BAR LIGHTS	11	12	KITCHEN SMALL APPLIANCES	#12 THHN	1/2"	1/20	1.25	1.25	1/20	1/2"	#12 THHN	FAMILY ROOM RECEPT.	13	14	GUEST BEDROOM LIGHTS	#12 THHN	1/2"	1/20	1.50		1/20				15	16	BAR ROOM RECEPTACLES	#12 THHN	1/2"	1/20	1.25	1.25	1/20	1/2"	#12 THHN	BAR RECEPTACLE	17	18	LIVING AND FOYER RECEPT.	#12 THHN	1/2"	1/20	1.25		1/20				19	20	LIGHTS AND RECEPTACLES	#12 THHN	1/2"	1/20	1.25	0.36	1/20	1/2"	#12 THHN	FAMILY ROOM RECEPT.	21	22	RECEPTACLES	#12 THHN	1/2"	1/20	1.50		1/20				23	24	KITCHEN SMALL APPLIANCES	#12 THHN	1/2"	1/20	1.25	1.50	1/20	1/2"	#12 THHN	DINNING ROOM RECEPTACLES	25	26	LIVING ROOM LIGHTS	#12 THHN	1/2"	1/20	1.25	1.25	1/20	1/2"	#12 THHN	POOL EXTERIOR LIGHTS	27	28	GAS WATER HEATER IGNITOR	#12 THHN	1/2"	1/20	0.20	1.25	1/20	1/2"	#12 THHN	EXTERIOR LIGHTS	29	30						2.25	2/30	1/2"	#10 THHN	WATER HEATER	31	32	CU-7	#10 THHN	3/4"	2/30	0.00	2.25					33	34					0.00	0.00	2/40	3/4"	#8 THHN	CU-6	35	36	SPARE			2/30		0.00					37	38						3.74	2/35	1/2"	#10 THHN	AHU-3	39	40	CU-3	#10 THHN	3/4"	2/25	0.00	3.74					41	42					0.00	35.51											14.70	TOTAL KW CONNECTED=				50.21								TOTAL AMPS=				209.21								FEEDER SIZE: 3#3/0 THHN CU + 1#6 THHN CU GR IN 2" PVC SCH 40 (EXISTING)												3	3.13 VA																																																																																																																																																																																																																																																																																							
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TOTAL AMPS=				209.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
FEEDER SIZE: 3#3/0 THHN CU + 1#6 THHN CU GR IN 2" PVC SCH 40 (EXISTING)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
1	2	3.13 VA	(3)	1.25	1.25	1.50	1.25	1.50	1.25	1.25	1.50	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25

- (1) NEW LOAD
(2) LIGHTING FROM NEW DIMMING PANEL
* 3 VA/S.F.

TYPE: SQ D									MAIN BUS: 200 AMPS			
SERVICE: 120/240 V, 1 PHASE, 3W.							PANEL C		MAIN:		M.L.O.	
MOUNTING: SURFACE									A.I.C=		22 KA	
POLES: 42												
KW	POLES/ TRIP	CONDUIT	WIRE	REMARKS	CKT		CKT	REMARKS	WIRE	CONDUIT	POLES/ TRIP	KW
1.50	1/20	1/2"	#12 THHN	BAR COUNTER SMALL APP.	1	A	2	GENERAL LIGHTING	#12 THHN	1/2"	1/20	*
1.20	1/20	1/2"	#12 THHN	BAR REFRIG. DRAWER	3	B	4	GENERAL LIGHTING	#12 THHN	1/2"	1/20	*
1.20	1/20	1/2"	#12 THHN	BAR REFRIGERATOR	5	A	6	GENERAL LIGHTING	#12 THHN	1/2"	1/20	*
1.25	1/20	1/2"	#12 THHN	DESK OUTLETS	7	B	8	BATHROOM RECEPTACLE	#12 THHN	1/2"	1/20	*
1.18	1/20	1/2"	#12 THHN	BAR ICE MAKER	9	A	10	GENERAL LIGHTING	#12 THHN	1/2"	1/20	*
1.00	1/20	1/2"	#12 THHN	WINE COOLER	11	B	12					
1.25	1/20	1/2"	#12 THHN	GUEST OUTLETS	13	A	14	INVISIBLE FENCE OUTLET	#12 THHN	1/2"	1/20	1.00
1.00	1/20	1/2"	#12 THHN	EXTERIOR LIGHTS	15	B	16	SPACE				
1.00	1/20	1/2"	#12 THHN	EXTERIOR LIGHTS	17	A	18	SPACE				
1.00	1/20	1/2"	#12 THHN	COURT YARD H/H	19	B	20	SPACE				
				SPACE	21	A	22	SPACE				
				SPACE	23	B	24	SPACE				
				SPACE	25	A	26	SPACE				
				SPACE	27	B	28	SPACE				
1.50	1/20	1/2"	#12 THHN	BAR SPARE OUTLET	29	A	30	BAR SPARE OUTLET	#12 THHN	1/2"	1/20	1.50
13.08												2.50
TOTAL KW CONNECTED=				15.58								
TOTAL AMPS=				64.90								
FEEDER SIZE: 3#3/0 THHN CU + 1#6 THHN CU IN 2" PVC SCH 40 (EXISTING)												

- (1) NEW LOAD
(2) NEW EQUIPMENT REPLACING EXISTING
* 3 VA/S.F.

TYPE: SQ D									MAIN BUS: 200 AMPS				
SERVICE: 120/240 V, 1 PHASE, 3W.									MAIN:		M.L.O.		
MOUNTING: SURFACE									A.I.C=		22 KA		
POLES: 42													

(1) SEE PANEL SCHEDULE CALCULATION

- (1) NEW LOAD
(2) NEW EQUIPMENT REPLACING EXISTING
* 3 VA/S.F.

TYPE: SQ D										MAIN BUS: 200 AMPS			
SERVICE: 120/240 V, 1 PHASE, 3W.										PANEL B			
MOUNTING: SURFACE										MAIN: M.L.O.			
POLES: 42										A.I.C= 22 KA			
										FED FROM: MDP			
KW	POLES/ TRIP	CONDUIT	WIRE	REMARKS	CKT	CKT	REMARKS	WIRE	CONDUIT	POLES/ TRIP	KW		
2) 1.50	1/20	1/2"	#12 THHN	KITCHEN ISLAND SMALL APP.	1	2	KITCHEN LIGHTS	#12	1/2"	1/20	1.25		
2) 1.50	1/20	1/2"	#12 THHN	KITCHEN ISLAND SMALL APP.	3	4	LIBRARY BATH LTS & GFCI	#12	1/2"	1/20	1.25		
2) 1.50	1/20	1/2"	#12 THHN	SMALL APPLIANCES	5	6	KITCHEN COUNTER SMALL APPL.	#12	1/2"	1/20	1.50		
2) 1.50	1/20	1/2"	#12 THHN	BREAKFAST SMALL APPL.	7	8	GENERAL LIGHTING	#12	1/2"	1/20	*		
2) 1.25	1/20	1/2"	#12 THHN	EXTERIOR RECEPTACLES	9	10	RECEPT.	#12	1/2"	1/20	0.90		
2) 1.45	1/20	1/2"	#12 THHN	REFRIGERATOR	11	12	BATHROOM RECEPTACLE	#12	1/2"	1/20	*		
2) 1.25	1/20	1/2"	#12 THHN	TRASH COMPACTOR	13	14	KITCHEN U/C LIGHTS	#12	1/2"	1/20	0.50		
2) 0.86	1/20	1/2"	#12 THHN	GARBAGE DISPOSAL	15	16	BATHROOM RECEPTACLE	#12	1/2"	1/20	*		
2) 1.25	1/20	1/2"	#12 THHN	RECEPTACLES	17	18	GENERAL LIGHTING	#12	1/2"	1/20	*		
2) 0.86	1/20	1/2"	#12 THHN	GARBAGE DISPOSAL	19	20	GENERAL LIGHTING	#12	1/2"	1/20	*		
1) 1.25	1/20	1/2"	#12 THHN	KITCHEN HALLWAY RECEPT.	21	22	GENERAL LIGHTING	#12	1/2"	1/20	*		
1) 1.20	1/20	1/2"	#12 THHN	KITCHEN WINE COOLER	23	24	KITCHEN SMALL APPLIANCES	#12	1/2"	1/20	1.50		
2) 1.20	1/20	1/2"	#12 THHN	DISHWASHER	25	26	KITCHEN DISHWASHER	#12	1/2"	1/20	1.25		
2) 1.20	1/20	1/2"	#12 THHN	DISHWASHER	27	28	GENERAL LIGHTING	#12	1/2"	1/20	*		
2) 1.50	1/20	1/2"	#12 THHN	SMALL APPLIANCES	29	30	KITCHEN SMALL APPLIANCES	#12	1/2"	1/20	1.50		
2) 1.50	1/20	1/2"	#12 THHN	SMALL APPLIANCES	31	32	GENERAL LIGHTING	#12	1/2"	1/20	*		
2) 1.50	1/20	1/2"	#12 THHN	SMALL APPLIANCES	33	34	GENERAL LIGHTING	#12	1/2"	1/20	*		
				SPACE	35	36	BBQ SUB PANEL	#3	1 1/4"	2/70	7.00		
2) 1.25	1/20	1/2"	#12 THHN	KITCHEN HOOD	37	38					7.00		
2) 8.00	2/100	1 1/4"	#3 THHN	POOL SUB PANEL	39	40	DOCK SHORE POWER POST	#1/0	1 1/2"	2/125	4.00		
3) 8.00					41	42					4.00		
39.33											31.65		
TOTAL KW CONNECTED=				70.98									
TOTAL AMPS=				295.74									
FEEDER SIZE: 3 # 350 MCM, THHN, CU, IN 2" IMC E.C (EXISTING)													

- (1) NEW LOAD
(2) NEW EQUIPMENT REPLACING EXISTING
* 3 VA/S.F.

TYPE: SQ D												MAIN BUS: 200 AMPS					
SERVICE: 120/240 V, 1 PHASE, 3W.												PANEL D				MAIN: M.L.O.	
MOUNTING: SURFACE												A.I.C= 22 KA					
POLES: 42																	
KW	POLES/ TRIP	CONDUIT	WIRE	REMARKS	CKT	CKT	REMARKS	WIRE	CONDUIT	POLES/ TRIP	KW						
0.36	1/20	1/2"	#12 THHN	COURTYARD GFCI RECEPT.	1	2	COURTYARD FOUNTAIN PUMP	#10	1/2"	2/20	1.15						
1.18	1/20	1/2"	#12 THHN	BOTTLES SUB-ZERO	3	4					1.15						
1.58	1/20	1/2"	#12 THHN	RE-CIRCULATING PUMP	5	6	PHONE ROOM-OUTLET	#12	1/2"	1/20	0.36						
1.50	1/20	1/2"	#12 THHN	MAID ROOM LIGHTS/RECEPT.	7	8	AHU-1	#6	3/4"	2/60	6.45						
1.25	1/20	1/2"	#12 THHN	GYM & MAID BATH LIGHTS	9	10					6.45						
1.00	1/20	1/2"	#12 THHN	GYM/HALLWAY LTS & RECEPT.	11	12	BUTLER KITCHEN DOUBLE OVEN	#6	3/4"	2/60	5.62						
1.08	1/20	1/2"	#12 THHN	GYM RECEPTALS	13	14					5.62						
1.50	1/20	1/2"	#12 THHN	BUTLER KITCHEN OUTLETS	15	16	AHU-2	#8	3/4"	2/45	5.72						
1.50	1/20	1/2"	#12 THHN	BUTLERS RECEPTACLE	17	18					5.72						
1.50	1/20	1/2"	#12 THHN	LAUNDRY RECEPTACLE	19	20	CU-1	#8	3/4"	2/40	0.00						
0.18	1/20	1/2"	#12 THHN	LAUNDRY COUNTER GFCI	21	22					0.00						
0.18	1/20	1/2"	#12 THHN	GYM RECEPTACLE	23	24	CU-2	#8	3/4"	2/40	0.00						
1.20	1/20	1/2"	#12 THHN	LAUNDRY & B.KITCHEN LTS	25	26					0.00						
-	1/20	1/2"	#12 THHN	BATHROOM RECEPTACLE	27	28	BUTLERS COOKTOP	#8	3/4"	2/30	2.88						
1.20	1/20	1/2"	#12 THHN	WASHER	29	30					2.88						
1.50	1/20	1/2"	#12 THHN	BUTLER KITCHEN RECEPTS.	31	32	CU-5	#10	1/2"	2/25	0.00						
1.20	1/20	1/2"	#12 THHN	BUTLER KITCHEN DISPOSAL	33	34					0.00						
1.20	1/20	1/2"	#12 THHN	BUTLER KITCHEN DISHWASHER	35	36	GENERAL LIGHTING	#12	1/2"	1/20	-						
1.00	1/20	1/2"	#12 THHN	WARMING DRAWER	37	38	GENERAL LIGHTING	#12	1/2"	1/20	0						
1.00	1/20	1/2"	#12 THHN	MEAT DRAWER POWER	39	40	Dryer (GAS)	#12	1/2"	1/20	0.20						
1.50	1/20	1/2"	#12 THHN	BUTLER KITCHEN RECEPTS.	41	42	GENERAL LIGHTING	#12	1/2"	1/20	-						
22.61											44.00						
TOTAL KW CONNECTED=				66.61													
TOTAL AMPS=				277.53													
FEEDER SIZE:3#350 MCM, THHN CU IN 2 1/2" PVC SCH 40 (EXISTING)																	

TYPE: SQ D										MAIN BUS: 100 AMPS			
SERVICE: 120/240 V, 1 PHASE, 3W.										MAIN: M.L.O.			
MOUNTING: SURFACE										A.I.C= 10.00 KA			
POLES: 42										FED FROM: PANEL G			
KW	POLES/ TRIP	CONDUIT	WIRE	REMARKS	CKT		CKT	REMARKS	WIRE	CONDUIT	POLES/ TRIP	KW	
3) 1.00	2/30	1/2"	#10	BASKETBALL COURT LTS RELAY	1	A	2	PAVILLION LIGHTS	#12	1/2"	1/20	1.00	(3)
3) 1.00					3	B	4	WATER FOUNTAIN RECEPT.	#12	1/2"	1/20	1.20	(3)
3) 1.00	2/30	1/2"	#10	BASKETBALL COURT LTS RELAY	5	A	6	PAVILLION FRIDGE	#12	1/2"	1/20	1.20	(3)
3) 1.00					7	B	8	BASKETBALL CT LTS CONTACTOR	#12	1/2"	1/20	1.00	(3)
2) 1.13	1/20	1/2"	#12	FRONT ENTRY FOUNTAIN (1)	9	A	10	TIMER #3 & #4 LANDSCAPE LTS	#10	1/2"	2/30	2.00	(2)
2) 1.50	1/20	1/2"	#12	LANDSCAPE LIGHTS (1)	11	B	12					2.00	(2)
					13	A	14	TIMER #5 & #6 LANDSCAPE LTS	#10	1/2"	2/30	2.00	(2)
					15	B	16	TIMER #7 LANDSCAPE LTS	#12	1/2"	1/20	1.00	(2)
					17	A	18	TIMER #1 LANDSCAPE LTS	#12	1/2"	1/20	1.00	(2)
					19	B	20	TIMER #2 LANDSCAPE LTS	#12	1/2"	1/20	1.00	(2)
					21	A	22						
					23	B	24						
					25	A	26						
					27	B	28						
					29	A	30						
6.63													13.40
TOTAL KW CONNECTED=				20.03									
TOTAL AMPS=				83.45									
FEEDER SIZE: 2 #3 AWG, THHN, CU + 1 #2 NEUTRAL + 1 #8 CU. GR. IN 1-1/4" IMC E.C. (EXISTING)													
(1) NEW LOAD (2) RELOCATED LOAD (3) FUTURE LOAD													

TYPE: SQ D								MAIN BUS: 200 AMPS			
SERVICE: 120/240 V, 1 PHASE, 3W.								MAIN:		M.L.O.	
MOUNTING: SURFACE								A.I.C=		10 KA	
POLES: 42								FED FROM: MDP		1	
KW	POLES/ TRIP	CONDUIT	WIRE	REMARKS	CKT	CKT	REMARKS	WIRE	CONDUIT	POLES/ TRIP	KW
(1) 2.25	2/30	1/2"	#10	GUEST HOUSE EWH	1	A 2	OUT HOUSE STORAGE POWER	#12	1/2"	1/20	0.54
(1) 2.25					3	B 4	OUT HOUSE STORAGE A/C	#12	1/2"	1/20	1.50
(1) 1.80	2/30	1/2"	#10	GUEST HOUSE CU	5	A 6	GUEST HOUSE RECEPTACLES	#12	1/2"	1/20	1.08
(1) 1.80					7	B 8	GUEST HOUSE LIGHTS	#12	1/2"	1/20	1.50
(1) 0.40	1/20	1/2"	#12	GUEST BATHROOM LIGHTS	9	A 10	EXTERIOR LIGHTS				1.50
(1) 0.70	1/20	1/2"	#12	GUEST KITCHEN LIGHTS	11	B 12	GUEST HOUSE AHU	#8	3/4"	2/40	3.84
(1) 14.80	2/80	1-1/4"	#4	SUB PANEL G	13	A 14					3.84
(1) 14.80					15	B 16	SPACE				
				SPACE	17	A 18	SPACE				
				SPACE	19	B 20	SPACE				
				SPACE	21	A 22	SPACE				
				SPACE	23	B 24	SPACE				
				SPACE	25	A 26	SPACE				
				SPACE	27	B 28	SPACE				
				SPACE	29	A 30	SPACE				

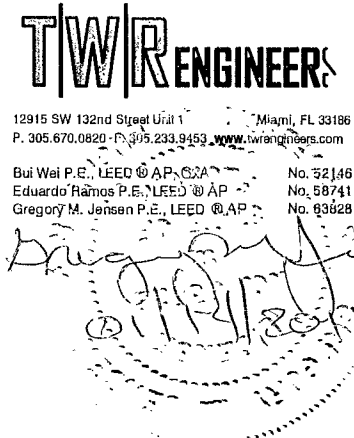
TYPE: SQ D									MAIN BUS: 100 AMPS			
SERVICE: 120/240 V, 1 PHASE, 3W.							PANEL BBQ		EXISTING		MAIN: 70 AMPS	
MOUNTING: SURFACE									A.I.C= 10 KA		1	
POLES: 42									FED FROM PNL B			
KW	POLES/ TRIP	CONDUIT	WIRE	REMARKS	CKT	CKT	REMARKS	WIRE	CONDUIT	POLES/ TRIP	KW	
1.50	1/20	1/2"	#12 THHN	BBQ FRIDGE & COUNTER GFCI	1	A 2	COUNTER GFCIs	#12	1/2"	1/20	0.54	(1)
0.54	1/20	1/2"	#12 THHN	COUNTER GFCIs	3	B 4	LANDSCAPE RECEPTACLES	#12	1/2"	1/20	0.54	(1)
0.70	1/20	1/2"	#12 THHN	BBQ LIGHTS	5	A 6	LANDSCAPE RECEPTACLES	#12	1/2"	1/20	0.54	(1)
0.54	1/20	1/2"	#12 THHN	LANDSCAPE RECEPTACLES	7	B 8	BOAT LIFT	#8	3/4"	2/40	3.84	(1)
0.54	1/20	1/2"	#12 THHN	LANDSCAPE RECEPTACLES	9	A 10					3.84	(1)
0.54	1/20	1/2"	#12 THHN	LANDSCAPE RECEPTACLES	11	B 12	RECEPTACLE RIGHT OF PANEL	#10	1/2"	1/30	2.00	(1)
	1/20	1/2"		SPACE	13	A 14	RECEPTACLE RIGHT OF PANEL	#10	1/2"	1/30	2.00	(1)
				SPACE	15	B 16	SPACE					
				SPACE	17	A 18	SPACE					
				SPACE	19	B 20	SPACE					
				SPACE	21	A 22	SPACE					
				SPACE	23	B 24	SPACE					
				SPACE	25	A 26	SPACE					
				SPACE	27	B 28	SPACE					
				SPACE	29	A 30	SPACE					
4.36											13.30	
TOTAL KW CONNECTED=				17.66								
TOTAL AMPS=				73.58								
FEEDER SIZE: 3 #3 AWG, THHN, CU + 1 #6 AWG, CU. GR. IN 1-1/4" IMC E.C. (EXISTING)												
(1) EXISTING												

TYPE: SQ D										MAIN BUS: 100 AMPS				
SERVICE: 120/240 V, 1 PHASE, 3W.					PANEL POOL					EXISTING POOL				
MOUNTING: SURFACE										MAIN: M.L.O.				
POLES: 42										A.I.C= 10 KA				
										FED FROM PNL B				
KW	POLES/ TRIP	CONDUIT	WIRE	REMARKS	CKT		CKT	REMARKS	WIRE	CONDUIT	POLES/ TRIP	KW		
(1) 0.18	1/20	1/2"	#12	RECEPTACLE BY PANEL	1	A	2	POOL PUMP #1	#12	1/2"	2/20	0.92		
(1) 0.15	1/20	1/2"	#12	POOL HEATER.IGNATER	3	B	4					0.92		
(1) 1.00	1/20	1/2"	#12	PATH LIGHTS	5	A	6	SPA LIGHTS	#12	1/2"	1/20	1.20		
				SPACE	7	B	8	SPA HEATER	#6	3/4"	2/60	5.76		
					9	A	10					5.76		
					11	B	12	POOL PUMP #2	#12	1/2"	1/20	0.92		
					13	A	14					0.92		
					15	B	16							
					17	A	18							
					19	B	20							
					21	A	22							
					23	B	24							
					25	A	26							
					27	B	28							
					29	A	30							
1.33												16.40		
TOTAL KW CONNECTED=				17.73										
TOTAL AMPS=				73.88										
FEEDER SIZE: 2 #3 AWG, THHN, CU + 1 #2 NEUTRAL + 1 #8 CU. GR. IN 1-1/4" IMC E.C. (EXISTING)														

12/18 SW
7, 2016
Bul Wa F
Schauro
Gregory

(1) EXISTING

TYPE: SQ D								MAIN BUS: 100 AMPS			
SERVICE: 120/240 V, 1 PHASE, 3W.				PANEL G				EXISTING GUEST HOUSE			
MOUNTING: SURFACE								MAIN: M.L.O. 			
POLES: 42								A.I.C= 10 KA 			
								FED FROM PNL F			
KW	POLES/ TRIP	CONDUIT	WIRE	REMARKS	CKT	CKT	REMARKS	WIRE	CONDUIT	POLES/ TRIP	KW
(1) 4.80	2/50	3/4"	#6	GUEST HOUSE KITCHEN RANGE	1	A 2					
(1) 4.80					3	B 4A	GUEST HOUSE SMALL APPL.	#12	1/2"	1/20	1.50
					5	A 4B	GUEST HOUSE MICROWAVE	#12	1/2"	1/20	1.20
					7	B 6A	GUEST HOUSE SMALL APPL.	#12	1/2"	1/20	1.50
(1) 1.20	1/20	1/2"	#12	PHONE SYSTEM	9	A 6B					
(1) 1.65	1/20	1/2"	#12	GUEST HOUSE FRIDGE	11	B 8					
(1) 2.88	2/30	1/2"	#10	DOG HOUSE AC UNIT	13	A 10	DRYER WASHER COMBO	#10	1/2"	2/30	2.88
(1) 2.88					15	B 12					2.88
					17	A 14					
					19	B 16					
					21	A 18					
					23	B 20					
					25	A 26					
					27	B 28					
					29	A 30					



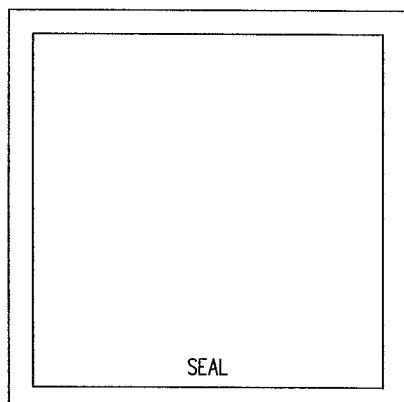
DRAWN BY:
G.M.J.

REVISIONS:

1	04.05.12	BDC
2	05.21.12	BDC
3	01.14.13	GEN.REV.

AA000369
ANTHONY LEON
0016752

DESIGN
ARCHITECTURE
4300 Biscayne Blvd., 4G-04, Miami, FL 33137
P: 305-438-9377 F: 305-438-9379



RESIDENTIAL
REMODELING & ADDITION
5980 NORTH BAY ROAD
MIAMI BEACH, FL
33140

THESE PLANS ARE FOR BUILDING
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DEPARTMENT APPROVALS ARE OBTAINED.

E-7
Electrical Plans Examined
CHECKED JAN 29 2013

Panel Room\Dimming Panel 1

Panel Model #: HW-MI-120 Interface Address:
Assignment: Total Panel Wattage: 11207 W
Module# 1: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 1st Floor\Kitchen\102 Double Wall Wash 840 W
2 1st Floor\Kitchen\108 J Box 350 W
3 1st Floor\Kitchen\105 LV Hi Hat 180 W
4 1st Floor\Kitchen\106 LV Hi Hat 120 W
Total Wattage: 1490 W

Module# 2: HW-RPM-4A-120
Zone Name Total Wattage Interface
1 1st Floor\Kitchen\107 Double Wall Wash 840 W
2 1st Floor\Kitchen\104 Island Pendant 201 W
3 1st Floor\Dinning Room\115 Recessed Track 690 W
4 1st Floor\Pantry\109 J Box-Pantry 150 W
Total Wattage: 1881 W

25wt PHPM-PA-120
675WTS
840WTS ON INTERFACE
25wt PHPM-PA-120
1066WTS
640WTS ON INTERFACE

3,474 W

Module# 3: HW-RPM-4A-120
Zone Name Total Wattage Interface
1 1st Floor\Dinning Room\117 Recessed Track 690 W
2 1st Floor\Kitchen\103 Under Counter LED 50 W
3 1st Floor\Dinning Room\118 J Box 350 W
4 1st Floor\Dinning Room\120 Switchet Outlet 150 W
Total Wattage: 1240 W

Module# 4: HW-RPM-4A-120
Zone Name Total Wattage Interface
1 1st Floor\Dinning Room\116 Recessed Track 690 W
2 1st Floor\Living Room\113 AR111-3 172 W
3 1st Floor\Man Cave\Shoe Room\129 Recessed Track 862 W
4
Total Wattage: 1724 W

25wt PHPM-PA-120
1059WTS
690WTS ON INTERFACE

1,774 W

Module# 5: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 1st Floor\Living Room\114 LV Hi Hat 240 W
2 1st Floor\Living Room\111 Switched Outlet 300 W
3 1st Floor\Living Room\112 LV Wall Wash 300 W
4 1st Floor\Man Cave\Shoe Room\132 Closet Spare 350 W
Total Wattage: 1190 W

Module# 6: HW-RPM-4A-120
Zone Name Total Wattage Interface
1 1st Floor\Man Cave\Shoe Room\133 Recessed Track 862 W
2 1st Floor\Man Cave\Shoe Room\131 Closet Spare 350 W
3 1st Floor\Man Cave\Living Area\124 Floor Outlet 150 W
4 1st Floor\Man Cave\Living Area\123 Recessed Track 600 W
Total Wattage: 1962 W

25wt PHPM-PA-120
1125WTS
862WTS ON INTERFACE

2,012 W

TOTAL LOAD 3,474 W + 1,774 W + 2,012 W + 620 W = 7,880 W
TOTAL AMPERAGE 7,880 VA/240 V = 32.83 AMPS
FEEDER: SEE PANEL D

Module# 7: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 1st Floor\Man Cave\Living Area\121 Recessed Track 300 W
2 1st Floor\Man Cave\Living Area\122 Wall Wash 300 W
3 1st Floor\Man Cave\Living Area\125 Closet Spare 350 W
4 1st Floor\Man Cave\Bathroom\127 Exhaust Fan 150 W
Total Wattage: 1100 W

Module# 8: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 1st Floor\Man Cave\Bathroom\126 Closet Spare 350 W
2 1st Floor\Man Cave\Bathroom\128 LV Hi Hat 120 W
3 1st Floor\Man Cave\Bathroom\130 Sconce 150 W
4
Total Wattage: 620 W

620 W

VOLTAGE: 240 V, 1 PH, 4 W.
MAIN BUS: 600 AMP
MAIN BKR: M.L.O.

ENCLOSURE: NEMA 3R, SURFACE
AIC: 2 10K 1

MDP EXISTING

CIRC NO.	SERVING	CIRCUIT BREAKER POLE TRIP	LOAD KVA	WIRE SIZE	COND. SIZE	REMARKS
1	PANEL H	2 125	20.03	3#1 THHN	1 1/4" IMC	(1)
2	PANEL D	2 200	66.61	3#350 MCM THHN	2" PVC	(3)
3	PANEL E	2 200	57.82	3#3/0 THHN	2" IMC	(3)
4	PANEL A	2 200	50.21	3#3/0 THHN	2" IMC	(3)
5	PANEL B	2 200	151.83	3#350 MCM THHN	2" IMC	(3)
6	PANEL F	2 200	80.77	3#3/0 THHN	2" IMC	(2)
7	SPACE	---	---	---	---	2---
8	SPACE	---	---	---	---	---
TOTAL CONNECTED KVA:			427.27			
TOTAL AMPS:			1,780.3 A			

FEEDER: SEE RISER

(1) FEED EXTERIOR PANEL H
(2) INSTALL NEW BREAKER FOR GUEST HOUSE. SEE GUEST HOUSE CALCULATION FOR LOAD ON DRAWING E-8
(3) EXISTING TO REMAIN.

LOAD CALCULATION IS CONNECTED. SEE DEMAND LOAD CALCULATION MAIN HOUSE ON DRAWING E-8.

MDP DEMAND LOAD CALCULATION

MAIN HOUSE PANELS A, B, C, D, E, BBQ AND POOL:	406.0 AMPS
GUEST HOUSE PANELS F AND G	93.8 AMPS
PANEL H	83.4 AMPS
	583.2 AMPS

Panel Room\Dimming Panel 2

Panel Model #: HW-MI-120 Interface Address:
Assignment: Total Panel Wattage: 9060 W
Module# 1: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 Master Suite\Master Bathroom\Her Closet\215 Closet Spare 350 W
2 Master Suite\Master Bathroom\Her Closet\216 Closet Spare 350 W
3 Master Suite\Master Bathroom\Her Closet\218 J Box 150 W
4 Master Suite\Master Bathroom\Her Closet\219 LV Hi Hat 60 W
Total Wattage: 910 W

Module# 2: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 Master Suite\Master Bathroom\Her Closet\217 Closet Spare 350 W
2 Master Suite\Master Bathroom\Her Closet\225 J Box 150 W
3 Master Suite\Master Bathroom\Her Closet\221 Closet Spare 350 W
4
Total Wattage: 850 W

850 W

Module# 5: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 Master Suite\Master Bathroom\His Closet\228 LV Double Wall Wash 1080 W
2 Master Suite\Master Bathroom\His Water Closet\209 Exhaust Fan 150 W
3 Master Suite\Master Bathroom\Her Water Closet\213 Exhaust Fan 150 W
4 Master Suite\Master Bathroom\Her Water Closet\212 LV Hi Hat 60 W
Total Wattage: 1440 W

Module# 6: HW-RPM-4A-120
Zone Name Total Wattage Interface
1 Master Suite\Master Bathroom\Bathroom\202 AR111-1 230 W
2 Master Suite\Salon\235 Recessed Track and Down Lights 460 W
3 Master Suite\Bedroom Area\Master Bedroom\243 AR111-2 460 W
4
Total Wattage: 1150 W

1,150 W

Module# 7: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 Master Suite\Master Bathroom\Bathroom\207 LV Hi Hat 60 W
2
3 Master Suite\Master Bathroom\His Water Closet\211 LV Hi Hat 60 W
4 Master Suite\Master Bathroom\Bathroom\205 VP Shower Lights 240 W
Total Wattage: 360 W

Module# 8: HW-RPM-4A-120
Zone Name Total Wattage Interface
1 Master Suite\Master Bathroom\Bathroom\204 LV Hi Hat 360 W
2 Master Suite\Master Bathroom\Bathroom\206 LV Hi Hat 60 W
3 Master Suite\Master Bathroom\Bathroom\208 Exhaust Fan 150 W
4 Master Suite\Bedroom Area\Living Room\251 AR111-2 460 W
Total Wattage: 1030 W

1,030 W

TOTAL LOAD 850 W + 3,420 W + 1,150 W + 1,030 W = 6,250 W
TOTAL AMPERAGE 6,250 VA/240 V = 26.04 AMPS
FEEDER: SEE PANEL D

Panel Room\Dimming Panel 3

Panel Model #: HW-MI-120 Interface Address:
Assignment: Total Panel Wattage: 5965 W
Module# 1: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 Master Suite\Master Bathroom\Bathroom\203 Sconces 600 W
2 Master Suite\Master Bathroom\Bathroom\209 Exhaust Fan 150 W
3 Master Suite\Master Bathroom\Bathroom\211 LV Hi Hat 60 W
4 Master Suite\Bedroom Area\Master Bedroom\245 Swithed Outlet 300 W
Total Wattage: 1110 W

Module# 2: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 Master Suite\Salon\234 Sconces 450 W
2 Master Suite\Bedroom Area\Master Bedroom\247 LV Hi Hat-reading 60 W
3 Master Suite\Bedroom Area\Master Bedroom\248 LV Hi Hat-reading 60 W
4 Master Suite\Bedroom Area\Master Bedroom\246 Swithed Outlet 150 W
Total Wattage: 720 W

720 W

Module# 3: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 Master Suite\Bedroom Area\Master Bedroom\242 J Box 150 W
2 Master Suite\Bedroom Area\Living Room\254 Swithed Outlet 150 W
3 Master Suite\Bedroom Area\Living Room\249 Swithed Outlet 150 W
4 Master Suite\Kitchenette\236 LV Hi Hat 180 W
Total Wattage: 630 W

Module# 4: HW-RPM-4A-120
Zone Name Total Wattage Interface
1 Master Suite\Bedroom Area\Living Room\255 AR111-4 230 W
2 Master Suite\Bedroom Area\Office\237 AR111-2 575 W
3 Exterior\101 Exterior Sconces 150 W
4
Total Wattage: 955 W

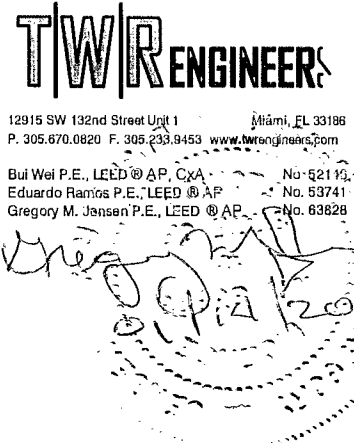
955 W

Module# 5: HW-RPM-4U-120
Zone Name Total Wattage Interface
1 Master Suite\Bedroom Area\Living Room\252 J Box 150 W
2 Master Suite\Bedroom Area\Office\239 Swithed Outlet 150 W
3 Master Suite\Bedroom Area\Office\238 J Box 150 W
4 Master Suite\Bedroom Area\Office\241 Swithed Outlet 150 W
Total Wattage: 600 W

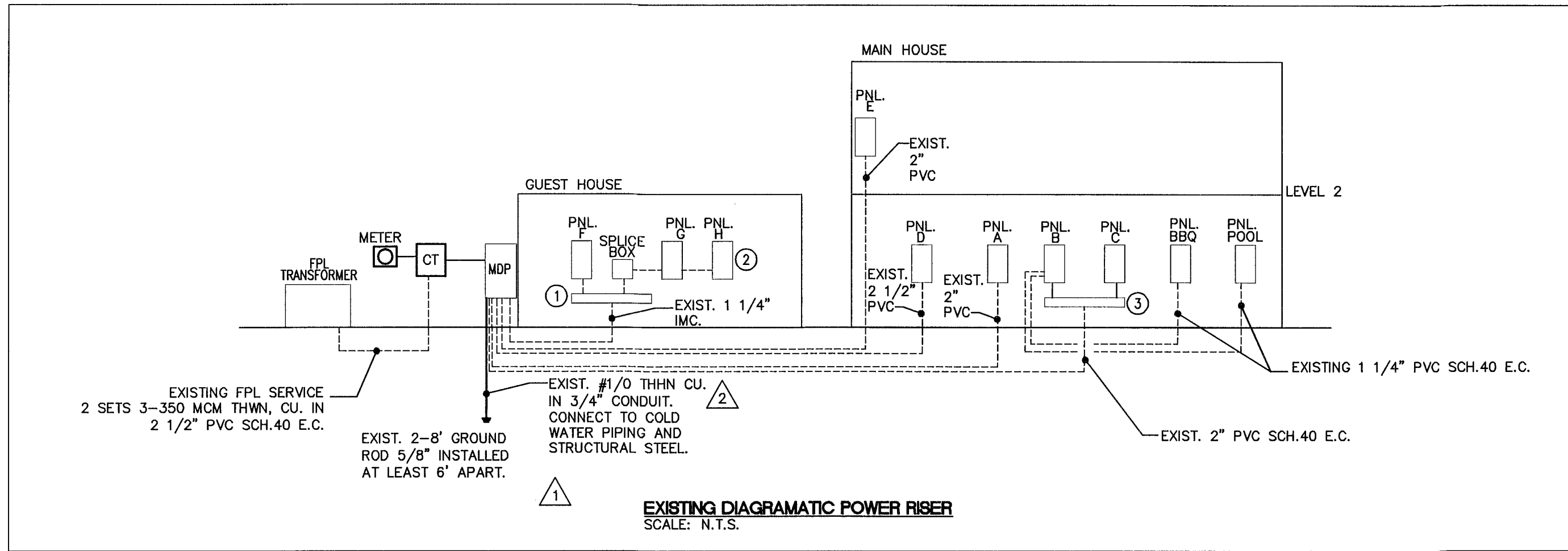
Module# 6: HW-RPM-4A-120
Zone Name Total Wattage Interface
1 Exterior\119 Exterior Sconces 1050 W
2 Exterior\201 Exterior Sconces 900 W
3
4
Total Wattage: 1950 W

1,950 W

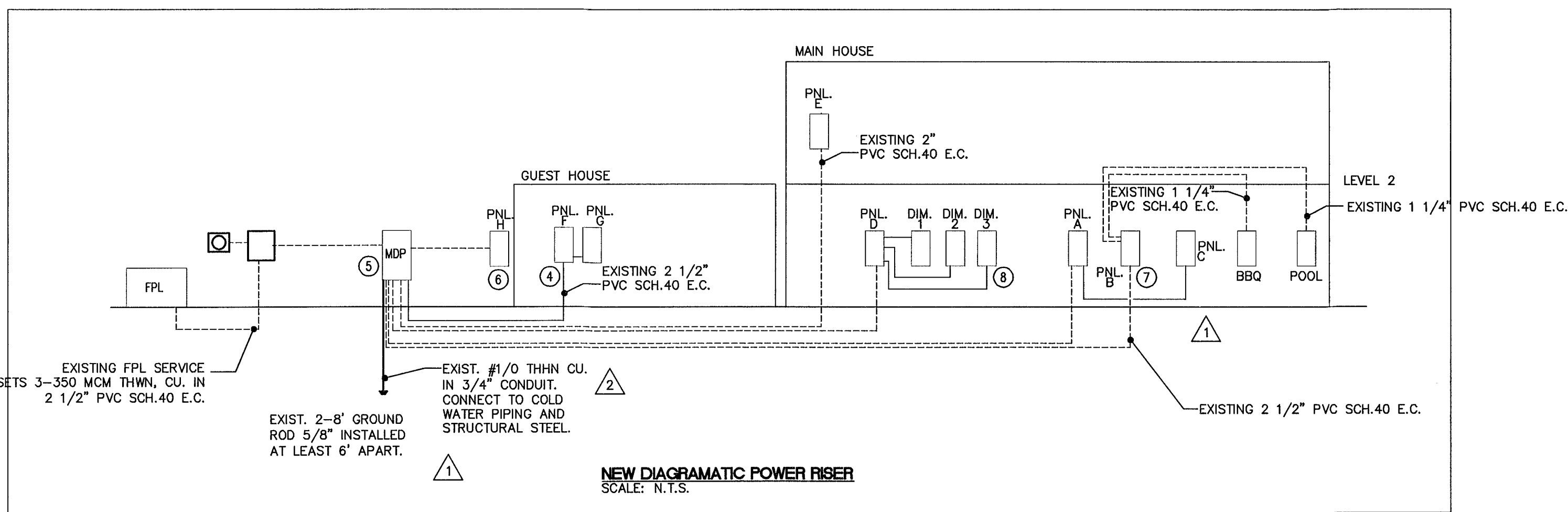
TOTAL LOAD 720 W + 955 W + 1,950 W = 3,625 W
TOTAL AMPERAGE 3,625 VA/240 V = 15.10 AMPS
FEEDER: SEE PANEL D



DRAWN BY:	G.M.J.
REVISIONS:	
1	04.05.12 BDC
2	05.21.12 BDC



- SCOPE OF WORK FOR GUEST HOUSE ELECTRICAL REPAIRS AND PANELS B & C IN MAIN HOUSE.
- 1 REMOVE FEEDERS FROM MDP TO GUTTER AND PANELS F AND G. REMOVE GUTTER AND SPURCE BOX.
 - 2 REMOVE PANEL H AND FEEDER FROM PANEL G TO PANEL H.
 - 3 REMOVE GUTTER AND FEEDER FROM GUTTER TO PANELS B AND C.
 - 4 PULL NEW FEEDER TO PANEL F FROM MDP. USE EXISTING CONDUIT. FEED PANEL G FROM PANEL F.
 - 5 INSTALL NEW BREAKERS IN MDP FOR PANEL F AND NEW PANEL H.
 - 6 INSTALL NEW PANEL H. FEED ALL EXTERIOR EXISTING LOADS FROM PANEL H.
 - 7 CONNECT PANEL B TO EXISTING FEEDERS FROM MDP. SUB FEED PANEL C FROM PANEL A.
 - 8 INSTALL NEW LUTRON PANELS.



May 16, 2012

Re: Available Fault Current for 5980 N Bay Rd

Dear Greg Jensen:

Thank you for contacting FPL about the available fault current at 5980 N Bay Rd, Miami Beach, FL. Based on the plans you have provided dated None Provided by customer, the maximum available fault current at the transformer secondary terminals is estimated to be 53,205 symmetrical amperes at 120/240 volts. The protective device on the line side of the transformer currently in place or to be installed and serving your property located at the subject location is a 25 amp type "KS" fuse. The primary service voltage is 13.2kV L-L. This calculated symmetrical fault current is not intended for use as the basis for motor starting calculations and does not include:

- Consideration for any motor contribution or
- Fault current asymmetry.

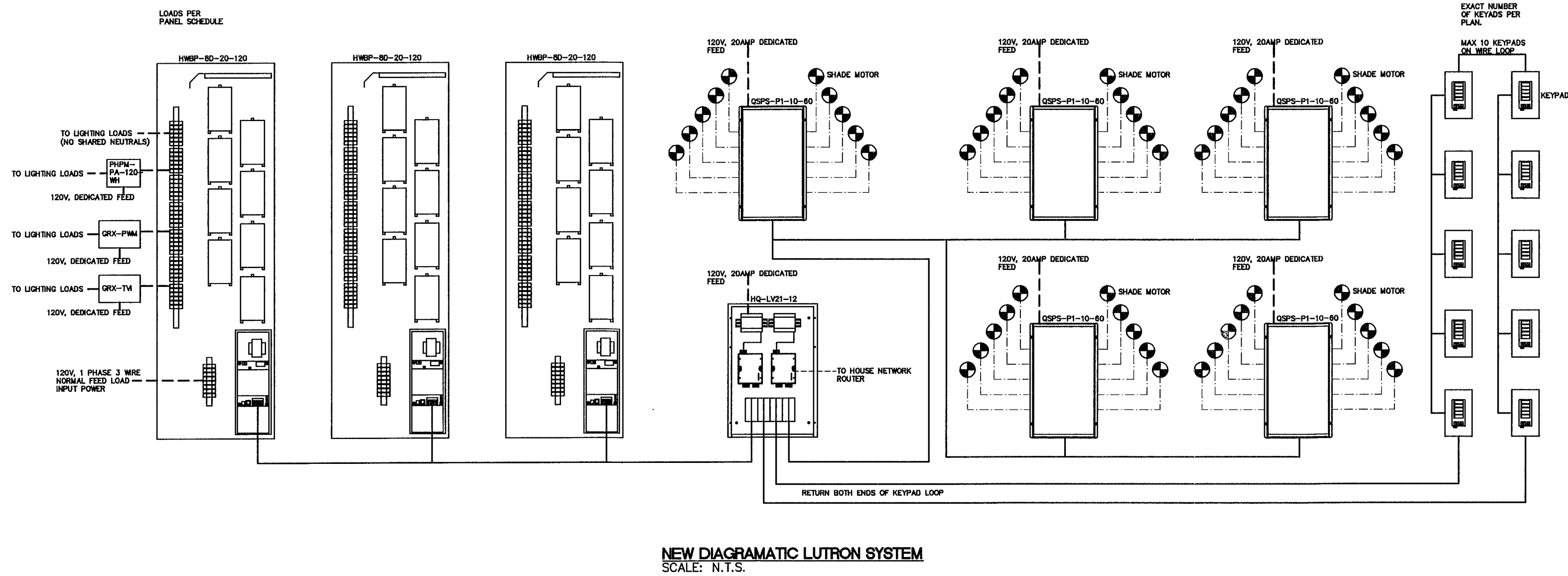
The FPL equipment currently serving or planned to serve your facility may change over time as a result of any number of factors, including but not limited to transformer replacements due to load growth, electrical grid changes or emergencies. As a result, although we are providing you with this information for the sole purpose of assisting you in the completion of your study, you and your client should not design, install or operate your system in reliance upon any expectation that the specific size and type of equipment currently in place will remain so. If and when the size and type of the equipment changes, our employees are not always in a position to immediately notify customers.

As the construction project progresses, any questions or information you may need can be communicated through me. I have enclosed my business card for easy reference and look forward to hearing from you in the near future.

Sincerely,

Yeshuwa Mayers

Yeshuwa Mayers
Engineer II



SHORT CIRCUIT CALCULATIONS

$$f = \frac{2 \times L \times I}{C \times E_{L-L}} \quad M = \frac{1}{1 + f} \quad SCA = M \times I$$

L = DISTANCE FROM FPL TRANSFORMER TO MDP.

I = SHORT CIRCUIT CURRENT AT THE TRANSFORMER PROVIDED BY FPL.

C = CHARACTERISTIC OF FEEDERS BASED ON THE WIRE SIZE, WIRE MATERIAL, NUMBER OF PARALLEL SETS OF WIRE, AND TYPE OF CONDUIT. NUMBER TAKEN FROM A TABLE.

E_{L-L} = LINE TO LINE VOLTAGE.

SCA = SHORT CIRCUIT CURRENT AT MDP.

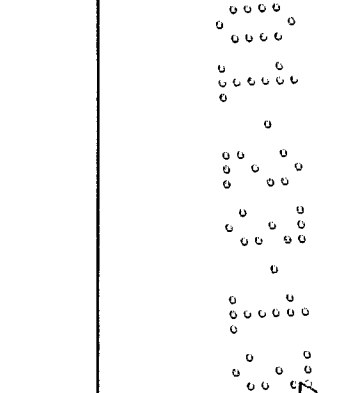
$$L = 180 \text{ FEET} \quad I = 53,205 \text{ AMPS} \quad C = 18700 \quad E_{L-L} = 208 \text{ VOLTS}$$

$$f = \frac{2 \times 180 \times 53,205}{18,700 \times 208} \quad f = 4.924$$

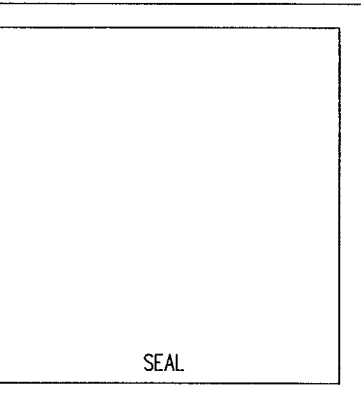
$$M = \frac{1}{4.924 + 1} \quad M = 0.1688$$

$$SCA = 0.1688 \times 53,205 \text{ AMPS} \quad SCA = 8,981 \text{ AMPS}$$

AA0003669
ANTHONY LEON
0016752



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REMODELING & ADDITION
5980 NORTH BAY ROAD
MIAMI BEACH, FL
33140

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E-8
Electrical Plans Examiner
CHECKED JAN 29 2013

LIGHT FIXTURE SCHEDULE

TYPE	FIXTURE DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP	VOLTS	MNT.	REMARKS
A	RECESSED TRACK	ALCO	RTN2048/RTN70	50WT MR-16	120-12	R	MANUFACTURERS THIS NOT TO BE LIMITED CONDUCTOR TO PROVIDE INITIAL J-BEND EDGE
C	RECESSED CHANNEL W/ SINGLE DOWN LIGHTS	KREON	KU765002 / KU965112	37WT MR-16	120-12	R	INTEGRAL ELV TRANSFORMER
D	LV HOUSING AND TRIM	TECH LIGHTING	E3S-L-B-H-A-N-M-O-W	50WT MR-16 EXN	120-12	R	INTEGRAL ELV TRANSFORMER AIR TIGHT
EF	EXHAUST FAN	BROAN	QTEX080	N/A	120	R	
F	2X LV HOUSING AND TRIM	USA ILLUMINATION	9170-10-F-FL405A-120V	2 X 50WT MR16	120	R	INTEGRAL MLV TRANSFORMER
H	LED STRIP	ZENARO	LLS1 -2700K-?-24VDC-DM-CL-CM	3.72 WT PER FT	120-24	S	REMOTE MLV TRANSFORMER.
ID		BY ID			120	S	
K	AR111 SPOT	3G LIGHTING	3G-RC1111-50-120-XTR-MQ-BK	50WT AR111	120-12	R	INTEGRAL ELV TRANSFORMER
L	PENDANT	KREON	KU963872/KR763722	5X35WT MR16	120	S	INTEGRAL ELV TRANSFORMER
M	LV WALL WASH	TECH LIGHTING	E3S-L-W-H-N-M/E3S-L-W-W	50WT MR16	120	R	INTEGRAL MLV TRANSFORMER
N	4X AR111 SPOT	3G LIGHTING	3G-RC2111-50-120-XTR-NG-BK 2X AR111	4X50WT AR111	120-12	R	INTEGRAL ELV TRANSFORMER
P	2X AR111 SPOT	3G LIGHTING	3G-RC3111-50-120-XTR-NG-BK 3X AR111	2X50WT AR111	120-12	R	INTEGRAL ELV TRANSFORMER
Q	3X AR111 SPOT	3G LIGHTING	3G-RC3111-50-120-XTR-NG-BK 3X AR111	3X50WT AR111	120-12	R	INTEGRAL ELV TRANSFORMER
S	FLUSH TRACK & LV TRACK HEAD	LITE LAB	BUS-13RIA /J17AR70-9I-NT-OLFLAT-M-UV	50WT AR70	120-12	R	NATURAL ALUMINUM TRACK
VP	VAPOR PROOF LV HOUSING AND TRIM	TECH LIGHTING	E3S-L-B-H-A-N-M-H-W	50WT MR16 FLOOD	120-12	R	VAPOR PROOF INTEGRAL MLV TRANSFORMER
W	WALL LIGHT	DESIGN PLAN	107 60 100 / 707 01 000	LED 2WT	24	R	

GENERAL NOTES

- ALL CONDUIT RUN EXPOSED, CONCEALED IN MASONRY WALLS OR CONCRETE SLAB, BENEATH SLABS ON GRADE OR RUN UNDERGROUND SHALL BE IN RIGID OR INTERMEDIATE WEIGHT STEEL CONDUIT. ELECTRICAL METALLIC TUBING AND FLEXIBLE NON-METALLIC TUBING, AS PERMITTED BY THE CODES, MAY BE CONCEALED IN INTERIOR HOLLOW WALLS AND ABOVE SUSPENDED CEILINGS. ALL FITTINGS SHALL BE COMPRESSION TYPE AND WATERTIGHT FOR OUTDOOR AND UNDERGROUND INSTALLATIONS. POLYVINYL CHLORIDE (PVC) SCHEDULE 80 LISTED RACEWAY MAY BE IN ALL RUNS UNDERGROUND AND BENEATH AND IN GROUND SLAB PROVIDED SIZE IS SUFFICIENT TO ACCOMMODATE GROUND WIRE AND ADAPTERS ARE INSTALLED AT PVC TO METAL TRANSITIONS, WHERE RACEWAYS RISE THROUGH GRADE AND/OR BOTTOM SLABS.
- ALL FEEDER'S CONDUCTORS TO BE COPPER WITH THHN INSULATION UNLESS OTHERWISE NOTED.
- ALL WIRES SHALL BE #12 AWG COPPER AND UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE DRAWINGS ALL INSULATION SHALL BE TYPE THWN/THHN. (STRANDED WIRE SHALL NOT BE USED).
- ALL CONDUITS SHALL BE SECURELY FASTENED TO THE BUILDING WITH PIPE STRAPS OR OTHER APPROVED PIPE SUPPORT PER CODE. NO WIRE HANGERS ARE ACCEPTED.
- MANUFACTURERS' NAME AND CATALOG NUMBERS ARE USED TO DEFINE THE TYPE AND QUALITY OF EQUIPMENT AND MATERIAL. EQUAL ITEMS OF OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY ARE APPROVED EQUAL OR BETTER IN THEIR QUALITY.
- ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER, AND IN FULL ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. ALL APPLICABLE STATE AND LOCAL CODES, AND THE LOCAL UTILITY COMPANY REQUIREMENTS.
- CONTRACTOR SHALL VERIFY NAMEPLATE RATINGS OF ALL EQUIPMENT FOR CORRECT SIZE OF OVERCURRENT DEVICES AND WIRING BEFORE ROUGHING IN.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTION AND THE EXACT CONNECTION REQUIREMENT OF EQUIPMENT WILL DETERMINE THE ACTUAL CONDUIT ROUTES.
- CONDUIT ROUTINGS ARE SHOWN SCHEMATICALLY AND CONTRACTOR SHALL FOLLOW ROUTINGS AS CLOSELY AS POSSIBLE. HOWEVER, BUILDING CONDITIONS WILL DETERMINE THE ACTUAL CONDUIT ROUTES.
- ALL ELECTRICAL RACEWAY PENETRATIONS THROUGH BUILDING FIREWALLS, PARTITIONS, FLOORS, OR CEILINGS SHALL BE ADEQUATELY SEALED WITH A FIRE RESISTANT SILICONE FOAM THAT MEETS OR EXCEEDS N.E.C. ARTICLE 300-21. MINIMUM HORIZONTAL SEPARATION BETWEEN BOXES ON OPPOSITE SIDES OF A FIRE RATED WALL SHALL BE 24 INCHES OR HAVE A UL FIRE SEALANT SURROUNDING THE PENETRATIONS.
- WHERE WIRE SIZES ARE INDICATED ON THE PLANS FOR INDIVIDUAL CIRCUITS, THE INDICATED WIRE SIZE SHALL APPLY TO THE COMPLETE CIRCUIT UNLESS OTHERWISE INDICATED.
- THE SHORT-CIRCUIT AVAILABILITY AT PANEL BOARDS SHALL BE LIMITED TO THE INTERRUPTING CAPACITY OF THE LOWEST RATED DEVICES.
- TANDEM AND TIE BREAKERS WILL NOT BE ACCEPTABLE.
- ALL MOTOR STARTERS FOR FANS, PUMPS, BOILERS, AIR CONDITIONERS, ETC., SHALL BE EQUIPPED WITH OVERLOAD PROTECTION IN EACH PHASE LEG. STARTERS FOR MOTORS RATED AT 75 HP OR LESS AT 480 OR 208 VOLTS, MAY BE ACROSS-THE-LINE TYPE. WHEN APPLICABLE, STARTERS FOR LARGER MOTORS SHALL BE AUTO-TRANSFORMER REDUCED VOLTAGE TYPE.
- ALL EQUIPMENT FURNISHED WITH CORD SHALL HAVE MINIMUM LENGTH CORD INSTALLED WITH CORRECT OUTLET PLUG JACKS, ETC., AS REQUIRED FOR COMPLETE INSTALLATION OF EQUIPMENT. ALSO, WHEN APPLICABLE, RECEPTACLE SHALL BE FURNISHED TO MATCH ELECTRICAL EQUIPMENT SERVED BY IT.
- ALL ELECTRICAL EQUIPMENT SHALL BE READILY ACCESSIBLE, LOCATED IN A CLEAN AND DRY LOCATION, AND BE PROTECTED FROM PHYSICAL DAMAGE. ALSO, A CLEAR WORKING SPACE SHALL BE PROVIDED AROUND EQUIPMENT TO COMPLY WITH N.E.C.
- JUNCTION AND PULL-BOXES SHALL BE GALVANIZED CODE-GAUGE SHEET STEEL, WITH SCREWED ON COVER, NEMA 1, OF SIZES AND SHAPE TO ACCOMMODATE WIRING ACCORDING TO N.E.C. AND TO SUIT LOCATION.
- JUNCTION AND PULL-BOXES SHALL BE SECURELY MOUNTED TO THE BUILDING STRUCTURE WITH SUPPORTING FACILITIES INDEPENDENT OF THE CONDUITS ENTERING OR LEAVING THE BOXES. BRACKETS, RODS HANGERS, BOLTS OR OTHER SUITABLE SUPPORTING METHOD MAY BE USED.
- ALL JUNCTION AND PULL-BOXES SHALL BE ACCESSIBLE ALL THE TIME.
- ALL INSULATED CONDUCTORS SYSTEM SHALL BE COLOR CODED AS FOLLOWS:
120/208 V SYSTEM
PHASE "A" : BLACK
PHASE "B" : RED
PHASE "C" : BLUE
NEUTRAL: WHITE
GROUND: GREEN

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	CEILING OUTLET FOR FIXTURE: '2' = CIRCUIT NUMBER, 'o' = SWITCH LEG.
	WALL OUTLET FOR FIXTURE. HEIGHT TO BE VERIFIED WITH ARCHITECT AND/OR OWNER.
	FLUORESCENT LIGHT FIXTURE WITH T-8 LAMPS AND ELECTRONIC BALLAST.
	LIGHT FIXTURES ON EMERGENCY CIRCUIT
	TRACK LIGHTING.
	LIGHTING FIXTURE DESIGNATION, REFER TO LIGHTING FIXTURE SCHEDULE
	EMERGENCY BATTERY TYPE LIGHT FIXTURE.
	EMERGENCY BATTERY TYPE EXIT/LIGHT FIXTURE.
	OUTLET FOR CEILING OR WALL MOUNTED EXIT FIXTURE, DARK AREA INDICATES FACE OF FIXTURE.
	SINGLE POLE TOGGLE SWITCH 'o' = SWITCH LEG, MTD @ 48" A.F.F.
	SINGLE POLE TOGGLE SWITCH '3' = THREE WAY, '4' = FOUR WAY, MTD @ 48" A.F.F.
	MOTOR RATED SWITCH WITH THERMAL OVERLOAD ELEMENT, MTD @ 48" A.F.F. OR PER FIELD CONDITIONS.
	TIMER SWITCH, MTD @ 48" A.F.F. OR PER FIELD CONDITIONS.
	DIMMER SWITCH, RATING PER LIGHTING LOAD REQUIREMENT, MTD @ 48" A.F.F.
	SINGLE POLE DOOR SWITCH
	DUPLEX GROUNDING RECEPTACLE, WALL MOUNTED +15" A.F.F., 125v., 15A. NEMA 5-15R EXCEPT AS INDICATED OTHERWISE.
	DUPLEX GROUNDING RECEPTACLE, ABOVE COUNTER. EXACT MOUNTING HEIGHT SHALL BE DETERMINED BEFORE ROUGHING-IN, UNLESS NOTED ON PLANS.
	DUPLEX GROUNDING RECEPTACLE WITH ONE SIDE SWITCHED, MTD @ 15" A.F.F.
	DUPLEX GROUNDING RECEPTACLE. GROUND FAULT INTERRUPTER, MTD @ 15" A.F.F.
	DUPLEX GROUNDING RECEPTACLE. GROUND FAULT INTERRUPTER ABOVE COUNTER
	WEATHERPROOF FLOOR MOUNTED RECEPTACLE, FLUSH TYPE.
	SINGLE GROUNDING RECEPTACLE, 125v., 20A., +15" A.F.F. NEMA 5-20R, UNLESS OTHERWISE NOTED.
	SPECIAL PURPOSE SINGLE RECEPTACLE OUTLET, SINGLE PHASE. SEE PLANS FOR DESCRIPTION.
	ELECTRIC CART CHARGER RECEPTACLE. CEILING SURFACE MOUNTED 20A., 125V, DOUBLE DUPLEX RECEPTACLE. OUTLET LOCATED TO SERVICE FOUR GOLF CART CHARGERS. ARRANGE RECEPTACLE BUSSING FOR TWO CIRCUITS PER DUPLEX WITH COMMON NEUTRAL.
	ELECTRIC CART CHARGER RECEPTACLE. CEILING SURFACE MOUNTED 20A., 125V, DOUBLE DUPLEX RECEPTACLE.
	DISCONNECT SWITCH OR CIRCUIT BREAKER
	CEILING OR WALL MOUNTED JUNCTION BOX, 4 INCHES SQUARE WITH BLANK COVER.
	TELEPHONE OUTLET, WALL MOUNTED IN A 4 INCH SQUARE BOX, +15 INCHES A.F.F.
	TELEPHONE OUTLET, WALL MOUNTED IN A 4 INCH SQUARE BOX, ABOVE COUNTER HEIGHT.
	WEATHERPROOF FLUSH TYPE FLOOR TELEPHONE OUTLET
	TELEVISION CABLE WALL OUTLET +15" A.F.F.
	120/208 VOLTS LIGHTING AND/OR POWER PANEL (SEE PANEL SCHEDULE).
	277/480 VOLTS LIGHTING AND/OR POWER PANEL (SEE PANEL SCHEDULE).
	MOTOR CONTROLLER
	HEAT LAMP
	CONDUIT, RUN CONCEALED IN CEILING WALLS OR FLOORS.
	HOME RUN TO PANEL A" CIRCUITS 1,2,3 3-PHASE, NEUTRAL & GND. WIRES
	FLEXIBLE CONNECTION TO EQUIPMENT, EXACT POINT AND METHOD OF CONNECTION TO BE DETERMINED IN THE FIELD OR FROM MANUFACTURER.
	CONDUIT RUN UNDERGROUND
	OUTLET FOR EXHAUST FAN (FRACTIONAL HORSEPOWER). PROVIDE CONNECTION AS REQUIRED.
	COMBINATION LIGHT AND EXHAUST FAN. SELECTED BY OWNER.
	PUSH-BUTTON SWITCH +48" A.F.F.
	THERMOSTAT, +48" A.F.F. EXACT LOCATION SHALL BE VERIFIED IN FIELD. COORDINATE WITH MECH. CONTRACTOR.
	MAGNETIC DOOR HOLDERS
	FIRE DAMPER
	CONTROL DAMPER
	EQUIPMENT SCHEDULE DESIGNATION REFER TO SCHEDULE
	INDICATES 15 INCHES ABOVE FINISHED GRADE OF FLOOR (AS APPLICABLE) TO CENTER LINE OF OUTLET.
	GROUND FAULT CIRCUIT INTERRUPTER
	DAMP LOCATION / WET LOCATION
	INDICATES WEATHERPROOF ENCLOSURE.
	INDICATES AMPERES INTERRUPTING CAPACITY SYMMETRICAL.
	INDICATES ELECTRIC WATER COOLER.
	INDICATES EMPTY CONDUIT, PROVIDE PULL CORD FOR FUTURE PULLING.
	UNLESS NOTED OTHERWISE
	REVISION #1. WHEN APPLICABLE.
	A/C CEILING DIFFUSER. COORDINATE WITH MECHANICAL CONTRACTOR.
	FIRE ALARM DEVICES. SEE SEPARATE LEGEND.

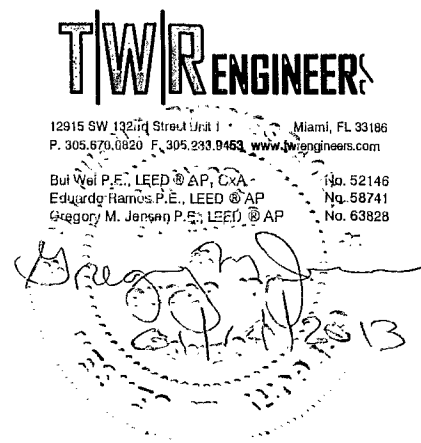
NOTE: NOT ALL SYMBOLS SHOWN ON THIS LEGEND ARE NECESSARILY REFLECTED ON PLANS. THIS LEGEND IS FOR STANDARD GENERAL USE. OTHER SYMBOLS SHOWN ON PLANS AND NOT ON THIS LEGEND, ARE DESCRIBED ON SEPARATE LEGENDS.

LIGHTING KEY
NOT TO SCALE

	LOW VOLTAGE RECESSED ADJUSTABLE DOWN LIGHT.
	LOW VOLTAGE RECESSED ADJUSTABLE WALL WASH.
	DOUBLE RECESSED ADJUSTABLE DOWN LIGHT WITH FROSTED LENS.
	RECESSED ADJUSTABLE SINGLE BULB AR111.
	RECESSED ADJUSTABLE DOUBLE BULB AR111.
	RECESSED ADJUSTABLE THREE BULB AR111.
	RECESSED ADJUSTABLE FOUR BULB AR111.
	RECESSED TRACK AND HEADS.
	RECESSED TRACK.
	ADJUSTABLE AR111 DOWN LIGHTING IN RECESSED CHANNEL.
	SURFACE MOUNTED SCONCE.
	JUNCTION BOX.
	1/2 SWITCHED DUPLEX OUTLET. ALWAYS OUTLET TO BE LUTRON- NTR-X-HFDU-X W/ RP-FDU-10-X-PLUG
	1/2 SWITCHED FLOOR OUTLET. OUTLET TO BE LUTRON- NTR-X-HFDU-X W/ RP-FDU-10-X-PLUG
	1/4 SWITCHED QUAD OUTLET. OUTLET TO BE LUTRON- NTR-X-HFDU-X W/ RP-FDU-10-X-PLUG
	EXHAUST FAN. FAN TO BE LOCATED REMOTELY. FAN VENT LOCATION PER HVAC DRAWING. SYMBOL IS CONTROL PLACE HOLDER ONLY.
	120/24 VOLT MAGNETIC REMOTE TRANSFORMER. CONTRACTOR MUST COORDINATE WITH DESIGNERS ON LOCATION OF TRANSFORMERS.
	TRANSFORMERS SYMBOLS IN THIS DRAWINGS ONLY INDICATE THAT REMOTE TRANSFORMERS ARE REQUIRED. IT DOES NOT INDICATE THE ACTUAL NUMBER OF TRANSFORMERS NEEDED OR THE REQUIRED WIRING CONFIGURATION. LINE-SHOWS LOCATION OF REMOTE TRANSFORMERS. CONTRACTOR MUST CONFIRM MAXIMUM PRODUCT LENGTH BEFORE HOME RUN TO TRANSFORMER IS REQUIRED.
	LIGHTING SYSTEM CONTROL ZONE NUMER.
	LIGHTING SYSTEM KEYPAD. TYPICAL LOCATION IS 48" A.F.F.

FIRE ALARM SYMBOLS

	120 VOLT, SINGLE STATION BATTERY BACKED UP SMOKE DETECTORS. ALL DETECTORS ARE TO BE INTERCONNECTED.
	120 VOLT, SINGLE STATION BATTERY BACKED UP CARBON MONOXIDE DETECTORS. ALL DETECTORS ARE TO BE INTERCONNECTED.



DRAWN BY:	
G.M.J.	
REVISIONS:	
1	04.05.12 BDC
3	01.14.13 GEN.REV

DEMAND LOAD ANALYSIS PANELS A & C	
GENERAL LIGHTING LOAD (220-3 (b)) 3000 SQ. FT. x 3 VA/SQ. FT. =	9,000 VA
SMALL APPLIANCE CIRCUITS (220-4(b) (1)) 1 x 1500 VA =	1,500 VA
AIR CONDITIONING 12,920 VA	
OTHER APPLIANCES	
MICROWAVE 1,000 VA	
REFRIGERATOR 1,000 VA	
EXTERIOR LIGHTS 5,000 VA	
POOL EXTERIOR LIGHTS 1,000 VA	
TOTAL	31,420 VA
DEMAND LOAD NFPA 70 (NEC) (220-30)	
AIR CONDITIONING	12,920 VA
OTHER LOADS	
10,000VA x 1.0 D.F.	10,000 VA
8,500 x 0.4 D.F.	3,400 VA
TOTAL DEMAND LOAD	19,720 VA
SERVICE LOAD	19,720 VA = 82.17 AMP 240 V

DEMAND LOAD ANALYSIS PANEL B	
GENERAL LIGHTING LOAD (220-3 (b)) 1,000 SQ. FT. x 3 VA/SQ. FT. =	3,000 VA
SMALL APPLIANCE CIRCUITS (220-4(b) (1)) 7 x 1500 VA =	10,500 VA
RANGE AND OVEN (220-19)	12,000 VA
OTHER APPLIANCES	
MICROWAVE 1,000 VA	
REFRIGERATOR X 2 2,000 VA	
DISHWASHER X 2 2,500 VA	
HOOD 1,250 VA	
WINE COOLER 850 VA	
DISPOSAL 1,000 VA	
DEEP FRYER 1,720 VA	
ICE MACHINE 1,000 VA	
WARMING DRAWER 1,000 VA	
REFRIGERATED DRAWER 14,000 VA	
BBQ SUB PANEL 8,000 VA	
DOCK SHORE POST 16,000 VA	
POOL SUB PANEL	
TOTAL	77,830 VA
DEMAND LOAD NFPA 70 (NEC) (220-30)	
AIR CONDITIONING	0 VA
OTHER LOADS	
10,000VA x 1.0 D.F.	10,000 VA
67,830 x 0.4 D.F.	27,132 VA
TOTAL DEMAND LOAD	37,132 VA
SERVICE LOAD	37,132 VA = 154.7 AMP 240 V

DEMAND LOAD ANALYSIS PANEL D	
GENERAL LIGHTING LOAD (220-3 (b)) 6000 SQ. FT. x 3 VA/SQ. FT. =	18,000 VA
LAUNDRY CIRCUIT 1 x 1500 VA =	1,500 VA
AIR CONDITIONING 22,280 VA	
OTHER APPLIANCES	
WASHER X 2 2,000 VA	
FOUNTAIN PUMP 2,300 VA	
DRYER X 2 3,600 VA	
TOTAL	49,680 VA
DEMAND LOAD NFPA 70 (NEC) (220-30)	
AIR CONDITIONING	22,280 VA
OTHER LOADS	
10,000VA x 1.0 D.F.	10,000 VA
17,400 x 0.4 D.F.	6,960 VA
TOTAL DEMAND LOAD	39,240 VA
SERVICE LOAD	39,240 VA = 163.5 AMP 240 V

DEMAND LOAD ANALYSIS PANEL E	
GENERAL LIGHTING LOAD (220-3 (b)) 4,000 SQ. FT. x 3 VA/SQ. FT. =	12,000 VA
AIR CONDITIONING 31,170 VA	
OTHER APPLIANCES	
MASTER BATH STEAMER 6,000 VA	
REFRIGERATOR 1,800 VA	
SPA HEATER 4,000 VA	
DOCK LIGHTS 1,000 VA	
TOTAL	56,970 VA
DEMAND LOAD NFPA 70 (NEC) (220-30)	
AIR CONDITIONING	31,170 VA
OTHER LOADS	
10,000VA x 1.0 D.F.	10,000 VA
15,800 x 0.4 D.F.	6,320 VA
TOTAL DEMAND LOAD	47,490 VA
SERVICE LOAD	47,490 VA = 197.5 AMP 240 V

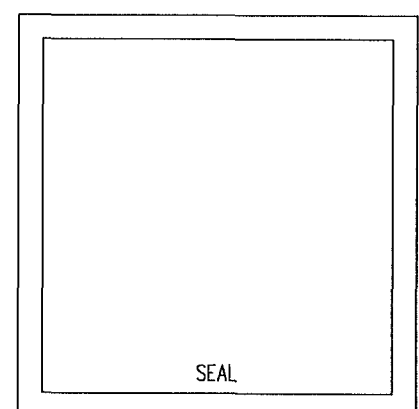
DEMAND LOAD ANALYSIS QUEST HOUSE PANELS F AND G	
GENERAL LIGHTING LOAD (220-3 (b)) 858 SQ. FT. x 3 VA/SQ. FT. =	2,574 VA
SMALL APPLIANCE CIRCUITS (220-4(b) (1)) 2 x 1500 VA =	3,000 VA
RANGE AND OVEN (220-19)	12,000 VA
AIR CONDITIONING	6,000 VA
OTHER APPLIANCES	
MICROWAVE 1,000 VA	
REFRIGERATOR 1,000 VA	
DISHWASHER 1,200 VA	
HOOD 1,000 VA	
EWB 4,500 VA	
TOTAL	32,274 VA
DEMAND LOAD NFPA 70 (NEC) (220-30)	
AIR CONDITIONING	6,000 VA
OTHER LOADS	
10,000VA x 1.0 D.F.	10,000 VA
16,273 x 0.4 D.F.	6,510 VA
TOTAL DEMAND LOAD	22,510 VA
SERVICE LOAD	22,510 VA = 93.8 AMP 240 V
FEEDER: 3#1 THHN/THWN CU AND 1#6 THHN/THWN CU G IN EXISTING CONDUIT.	

DEMAND LOAD ANALYSIS QUEST HOUSE PANEL G	
SMALL APPLIANCE CIRCUITS (220-4(b) (1)) 2 x 1500 VA =	3,000 VA
RANGE AND OVEN (220-19)	9,600 VA
AIR CONDITIONING	2,880 VA
OTHER APPLIANCES	
MICROWAVE 1,000 VA	
REFRIGERATOR 1,650 VA	
PHONE SYSTEM 1,200 VA	
WASHER/DRYER COMBO 1,000 VA	
EWB 5,760 VA	
TOTAL	27,090 VA
DEMAND LOAD NFPA 70 (NEC) (220-30)	
AIR CONDITIONING	2,880 VA
OTHER LOADS	
10,000VA x 1.0 D.F.	10,000 VA
14,210 x 0.4 D.F.	5,684 VA
TOTAL DEMAND LOAD	18,654 VA
SERVICE LOAD	18,654 VA = 77.4 AMP 240 V
FEEDER: 3#1 THHN/THWN CU AND 1#6 THHN/THWN CU G IN EXISTING CONDUIT.	

DEMAND LOAD ANALYSIS MAIN HOUSE	
GENERAL LIGHTING LOAD (220-3 (b)) 14,586 SQ. FT. x 3 VA/SQ. FT. =	43,758 VA
SMALL APPLIANCE CIRCUITS (220-4(b) (1)) 7 x 1500 VA =	10,500 VA
RANGE AND OVEN (220-19) 6,000 VA	
AIR CONDITIONING 66,970 VA	
OTHER APPLIANCES	
MICROWAVE 1,000 VA	
REFRIGERATOR X 2 2,000 VA	
DISHWASHER X 2 2,400 VA	
HOOD 1,200 VA	
WASHER X 2 2,000 VA	
DRYER X 2 2,000 VA	
MASTER BATH STEAMER 6,000 VA	
WINE COOLER 1,000 VA	
REFRIGERATED DRAWER 1,000 VA	
WARMING DRAWER 1,000 VA	
ICE MACHINE 1,000 VA	
DISPOSAL 900 VA	
DEEP FRYER 1,700 VA	
EXTERIOR LIGHTS 1,900 VA	
POOL PUMP X 2 3,800 VA	
BOAT LIFT 7,600 VA	
BBQ REFRIGERATOR 1,500 VA	
TOTAL	165,228 VA
DEMAND LOAD NFPA 70 (NEC) (220-30)	
AIR CONDITIONING	66,970 VA
OTHER LOADS	
10,000VA x 1.0 D.F.	10,000 VA
88,258 x 0.4 D.F.	35,303 VA
TOTAL DEMAND LOAD	112,273 VA
SERVICE LOAD	112,273 VA = 468.0 AMP 240 V
FEEDER: EXISTING TWO SETS OF 350-MSM-CU-1N-2 T/2" CONDUIT	

AA0003569
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0016752

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ARCHITECTURE
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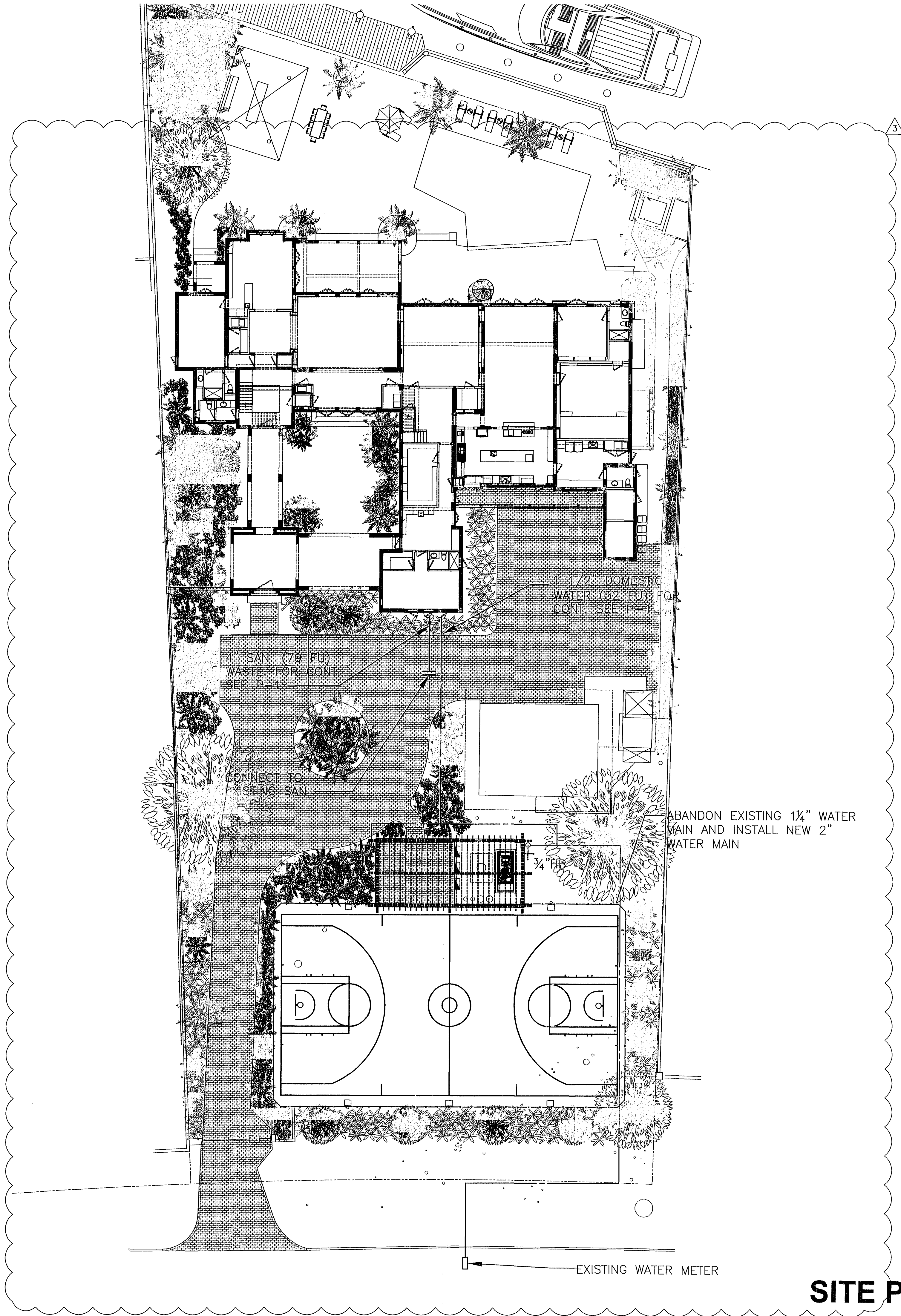
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REMODELING & ADDITION
5980 NORTH BAY ROAD
MIAMI BEACH, FL
33140

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E-10
Electrical Plans Examiner
CHECKED JAN 29 2013

FIELD COORDINATION NOTE
EVERY CONTRACTOR SHALL COORDINATE IN FIELD W/ OTHER TRADES PRIOR START OF CONSTRUCTION FOR THE STRUCTURAL BEAM, SLAB, TRUSSES, ARCHITECTURAL DETAILING AS PRE-FAB FORMS, REVELING, CEILINGS, ARCH WITH THE LOCATION OF CEILING OR WALL GRILLES, DUCT WORKS, RETURN GRILLES, LIGHTING FIXTURES, SWITCHES, RECEPTACLES OR ANY OTHER DEVICES. AND TO NOTIFY ARCHITECT/ ENGINEERS IF ANY CONFLICT OCCUR PRIOR ITS INSTALLATION, NO ADDITIONAL COST TO OWNER CAN BE APPLIED.

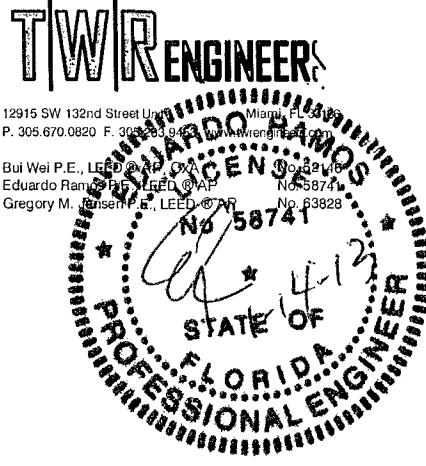
PLUMBING LEGEND	
SYMBOL	DESCRIPTION
	COLD WATER LINE (CW)
	HOT WATER RECIRC. (HWR)
	CONDENSATE DRAIN LINE
	HOT WATER LINE (HW)
	SANITARY WASTE LINE (SAN)
	SANITARY VENT LINE (V)
	AIR CHAMBER
	CHECK VALVE
	FLOOR CLEAN OUT
	WALL CLEAN OUT
	GATE VALVE
	HOSE BIBB
	VALVE IN BOX
	GATE VALVE IN VERTICAL
	"P" TRAP
	UNION
ABV.	ABOVE
BLW	BELOW
CEIL., CLG.	CEILING
FL.	FLOOR
F.U.	FIXTURE UNIT
(UG)	UNDERGROUND
V.T.R.	VENT THRU ROOF
VB	VACUUM BREAKER
TP	TRAP PRIMER
	CONNECTION (NEW TO EXISTING)



1703/25/13

SITE PLAN

1/8"=1'-0"

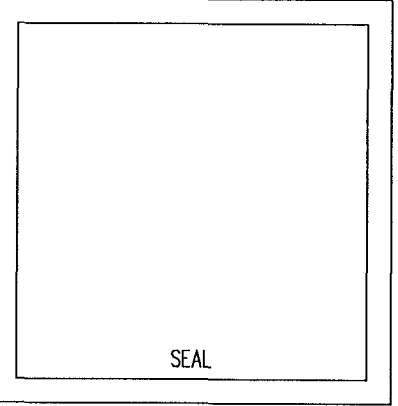


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REVISIONS:	
3	01.14.13 GENERAL

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ANTHONY LEON
0016752

3 DESIGN
ARCHITECTURE

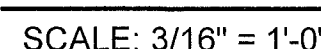
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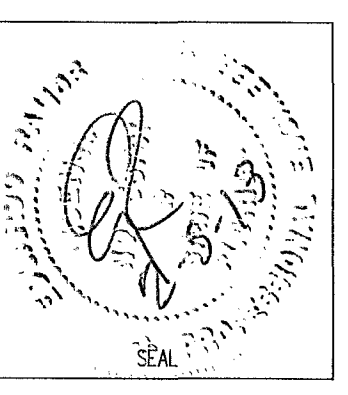
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REVISIONS:	
3	01.14.13 GENERAL
4	02.05.13 BDC

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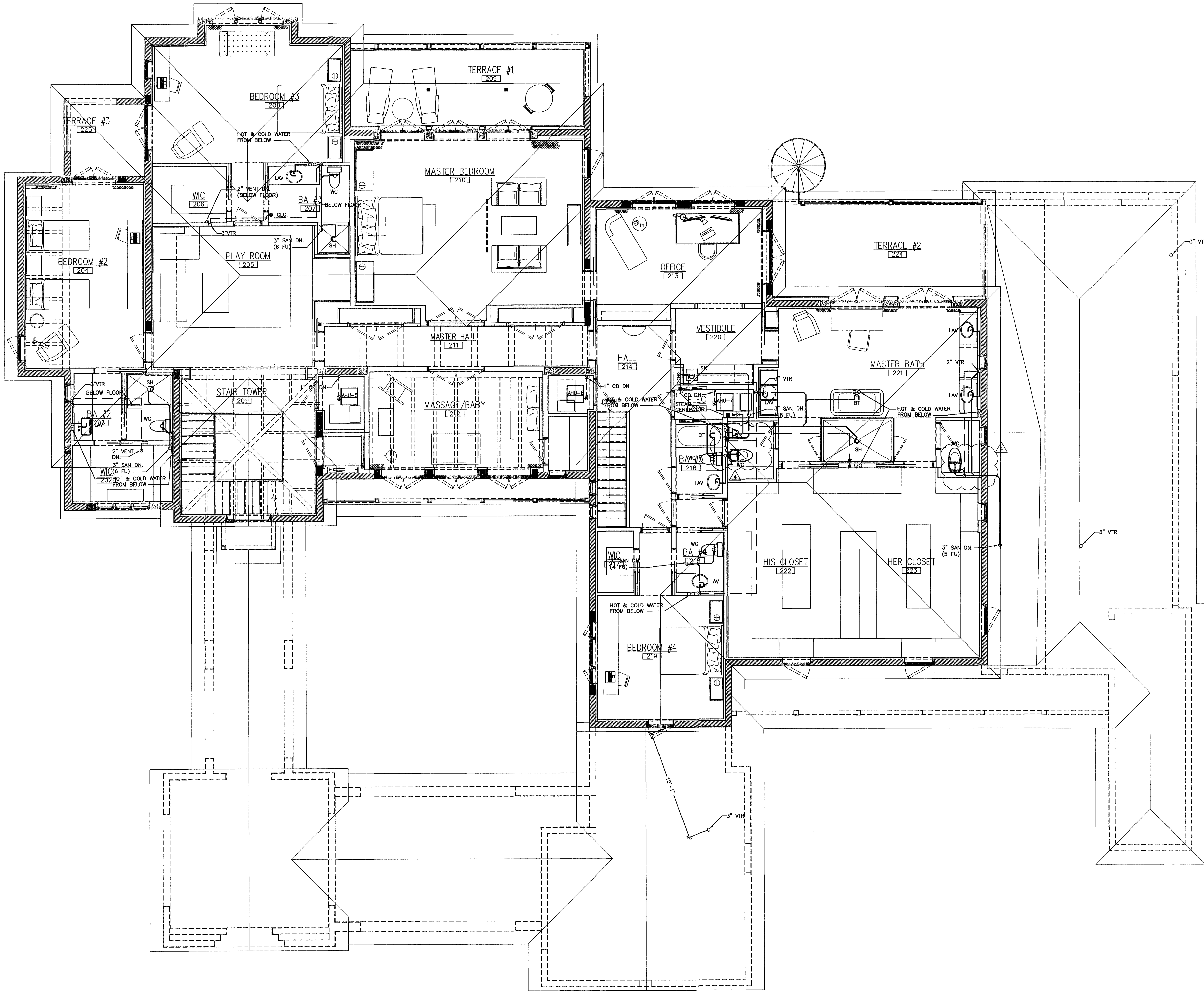
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P-03/25/13

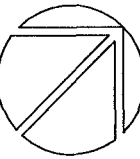
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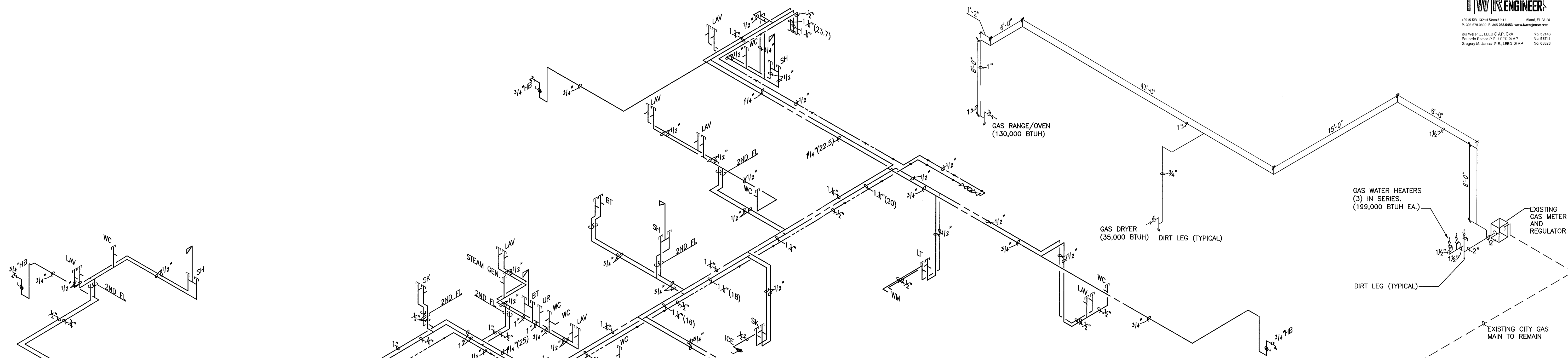
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**SECOND FLOOR
 PLUMBING PLAN**

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

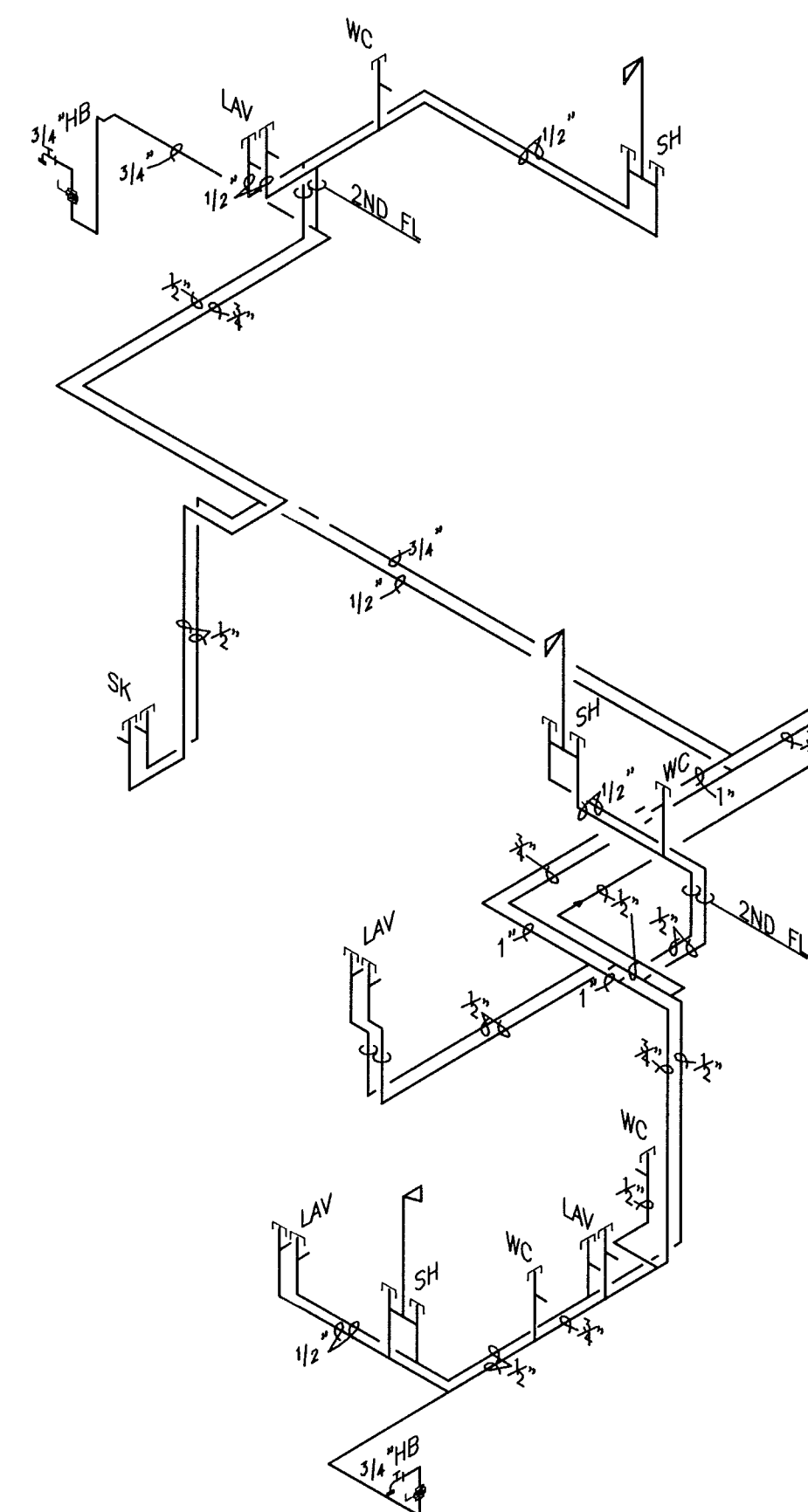




GAS RISER DIAGRAM

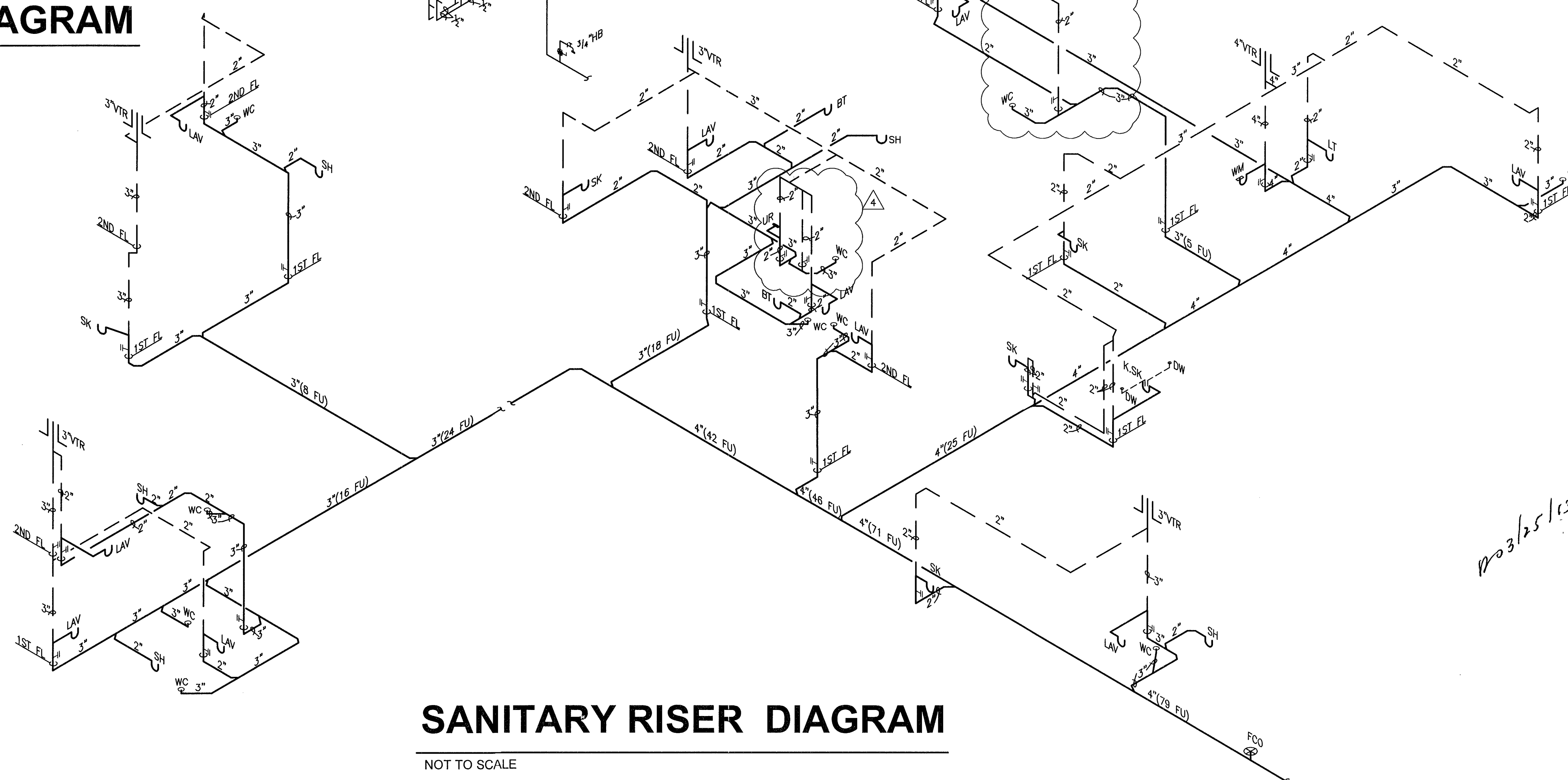
N.T.S.

DISTANCE TO FURTHEST GAS APPLIANCE: 90' LN.FT
FURTHEST GAS APPLIANCE: 130,000 BTUH
TOTAL BTUH: 762,000 BTUH
TABLE 402.4(1) SCHEDULE 40 METALLIC PIPE,
INLET PRESSURE LESS THAN 2 PSI,
PRESSURE DROP AT 0.3 IN W.C.
NOTE: ALL GAS PIPING INSTALLATION SHALL BE
GALVANIZED METAL PIPE SCHEDULE 40 AND TO COMPLY
FBC 2004-FUEL GAS



WATER RISER DIAGRAM

NOT TO SCALE



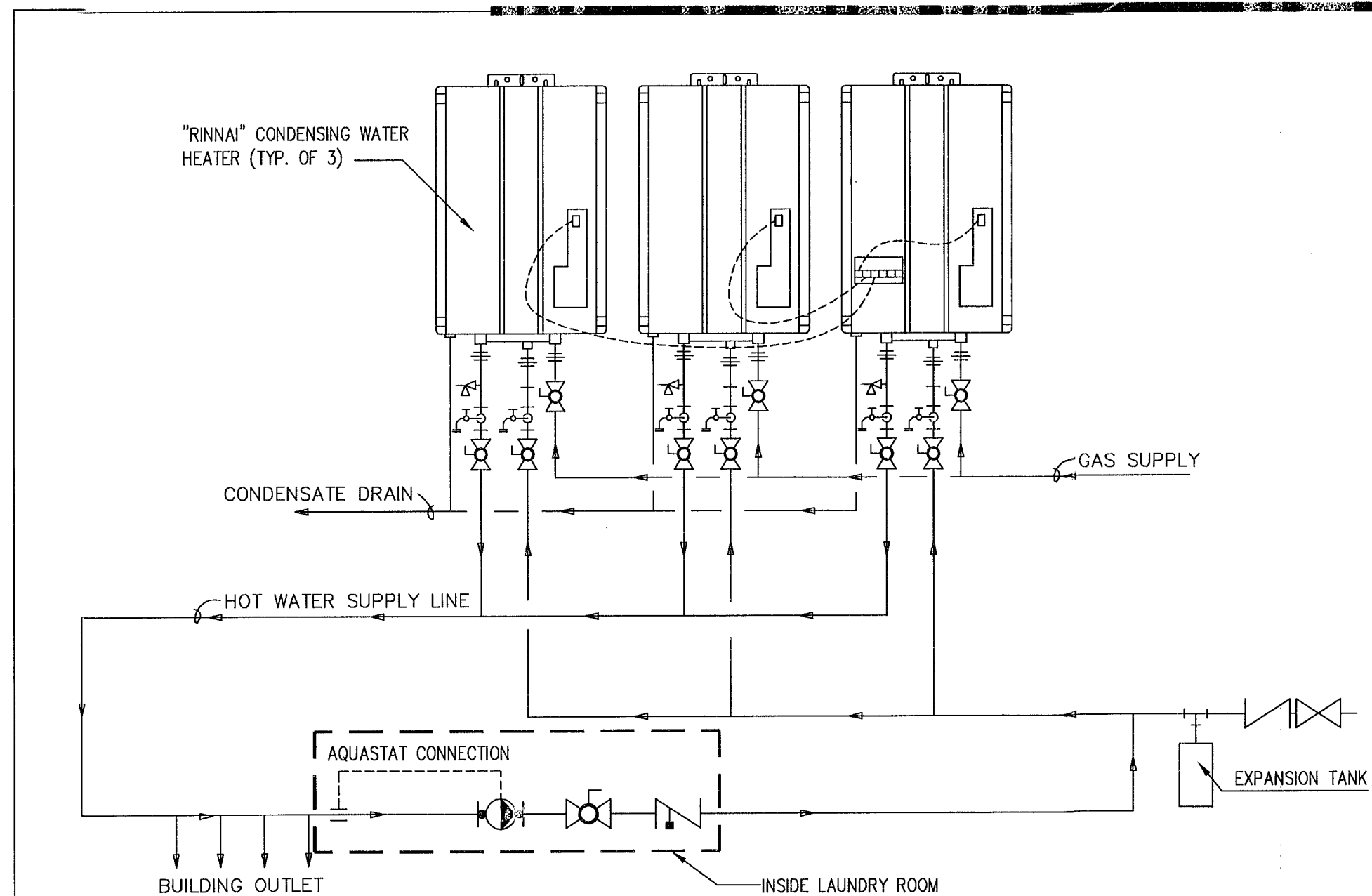
SANITARY RISER DIAGRAM

NOT TO SCALE

Pro 3/25/13

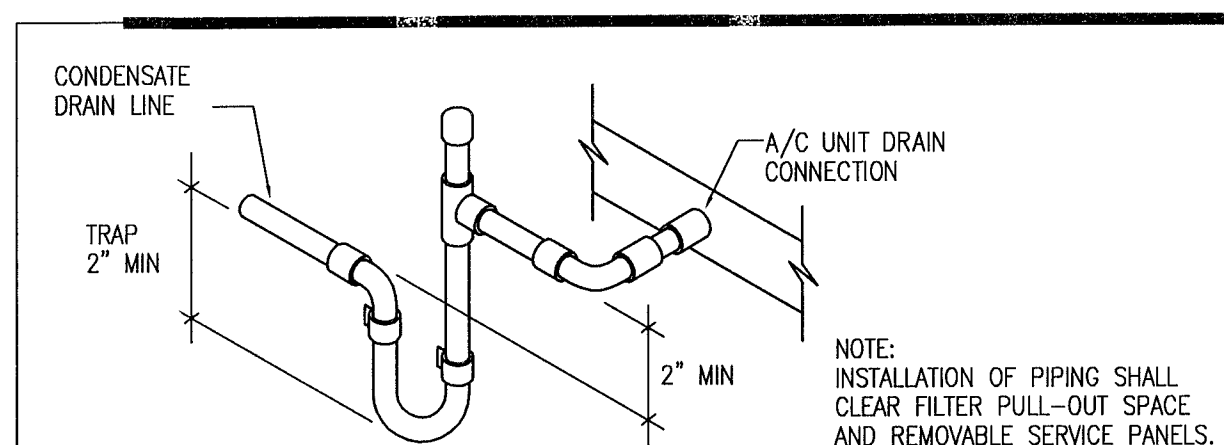
GENERAL NOTES:

- ALL WORK TO BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, STATE AND LOCAL ORDINANCES.
- BUILDING DRAINAGE SYSTEM TO BE SLOPED AT 1/8" PER FT. MIN. FALL FOR 3" PIPE AND LARGER 1/4" PER FT. SLOPE FOR 2" PIPE SIZE AND SMALLER DEVIATIONS SHALL BE APPROVED BY ARCHITECT/ENGINEER.
- PROVIDE CLEAN OUTS EVERY 75 FT. AND AT BASE OF EVERY WASTESTACK. ALL CLOSE-OUTS TO BE FLUSH MOUNTED.
- MATERIALS SHALL BE ALL NEW AND AS FOLLOWS:
 - DRAINAGE WASTE AND VENT PIPING INCLUDING: NO HUB CAST IRON CIPSI STANDARD 301 ABOVE GROUND AND CAST IRON HUB, PLAIN END ASTM A-74 WITH NEO-PRENE GASKETS UNDERGROUND.
 - WATER PIPING: COPPER TYPE "L" ASTM B-88 ABOVE GROUND AND COPPER TYPE "K" ASTM B-88 UNDERGROUND.
 - CONDENSATE DRAIN PIPING: COPPER TYPE "M" ASTM B-88 INSIDE THE BUILDING AND PVC SCHEDULE 40 ABOVE ROOF AND UNDERGROUND. PROVIDE 3/4" ARMAFLEX PIPE INSULATION TO ALL CONDENSATE DRAIN PIPING.
 - GAS PIPING: BLACK STEEL SCHEDULE 40 ASTM-53
 - FLOOR CLEAN OUTS: JOSAM SERIES 56020 OR EQUAL.
 - WALL CLEAN OUTS: JOSAM SERIES 58750 WITH ACCESS COVER OR EQUAL.
 - VALVES: 125 PSI NIBCO SCOTT, STOCKHAM OR EQUAL.
 - HOSE BIBBS: CHICAGO 837 OR EQUAL WITH VACUUM BREAKER.
- PERFORM THE FOLLOWING TEST:
 - WATER PIPING SHALL BE SUBJECTED TO HYDROSTATIC PRESSURE TEST OF 100 PSIG FOR A PERIOD OF TIME SUFFICIENT TO EXAMINE ENTIRE SYSTEM BUT NOT LESS THAN ONE HOUR.
 - DRAINAGE SYSTEM: BEFORE INSTALLATION OF ANY DRAINS, THE END OF THE SYSTEM SHALL BE CAPPED & ALL LINES FILLED WITH WATER TO HIGHEST POINT & ALLOWED TO STAND UNTIL INSPECTION IS MADE AND WATER LEVELS REMAIN CONSTANT.
 - CORRECT ALL DEFECTS DISCLOSED BY ABOVE TESTS.
 - COMPLETE SYSTEM FIXTURE & EQUIPMENT SHALL BE GIVEN AN IN SERVICE TEST AFTER COMPLETION OF THE INSTALLATION.
 - STERILIZE ALL WATER LINES WITH A MIXTURE OF (2) POUNDS OF CHLORINATED LIME TO EACH 1000 GAL. OF WATER (50 PPM OF AVAILABLE CHLORINE.) RETAIN MIXTURE IN PIPES FOR 24 HOURS AND FLUSH THOROUGHLY WITH POTABLE WATER BEFORE PLACING IN SERVICE.
- PLUMBING CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE THAT ALL PLUMBING WORK SHALL BE FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE, AND THAT HE WILL, AT HIS EXPENSE, REPAIR AND REPLACE ALL WORK WHICH BECOMES DEFECTIVE DURING GUARANTEE PERIOD.
- CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING UTILITIES AND POINTS OF CONNECTION BEFORE COMMENCING ANY WORK.
- PLUMBING CONTRACTOR SHALL PAY ALL FEES, INSPECTION AND CONNECTION CHARGES REQUIRED.
- SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL OF ALL EQUIPMENT, MATERIALS AND LAYOUTS PRIOR INSTALLATION.
- OFFSET PIPING AS REQUIRED TO CLEAR BUILDING STRUCTURE, DUCTWORK, ETC. AS SHOWN ON DRAWINGS AND AS REQUIRED BY FIELD CONDITIONS.
- PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A/C CONDENSATE DRAIN AND TRAP. SEE A/C PLANS FOR LOCATION OF UNITS AND DRAINS.
- PLUMBING CONTRACTOR SHALL VERIFY ALL SPACE CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO FABRICATION AND INSTALLATION OF MATERIALS AND EQUIPMENT.
- COORDINATE WORK WITH OTHER TRADES.
- FURNISH AND INSTALL FIXTURES AS SPECIFIED IN SCHEDULE, THIS DRAWING.
- EACH BATHROOM GROUP SHALL BE PROVIDED WITH AIR CHAMBERS OR SHOCK ABSORBER.
- PROVIDE SHUTOFF VALVE FOR EACH FIXTURE, JUST BEFORE CONNECTING TO FIXTURE.
- WHEREVER DISSIMILAR METALS ARE TO BE JOINED, A DIELECTRIC FITTING SHALL BE PROVIDED TO CONNECT BOTH TYPES OF PIPES.
- PIPE INSULATION:
 - ALL CONDENSATE LINES SHALL BE INSULATED WITH 3/4" FIRE RETARDANT ARMAFLEX INSULATION WITH A MAXIMUM OF 25/50 FLAME SPREAD AND SMOKE DEVELOPED RESPECTIVELY.
 - ALL HOT WATER LINES & 1/2" RECIRCULATING HOT WATER LINES SHALL BE INSULATED WITH 3/4" PREFORMED FIBERGLASS INSULATION WITH APPROVED FIRE RATED JACKET.



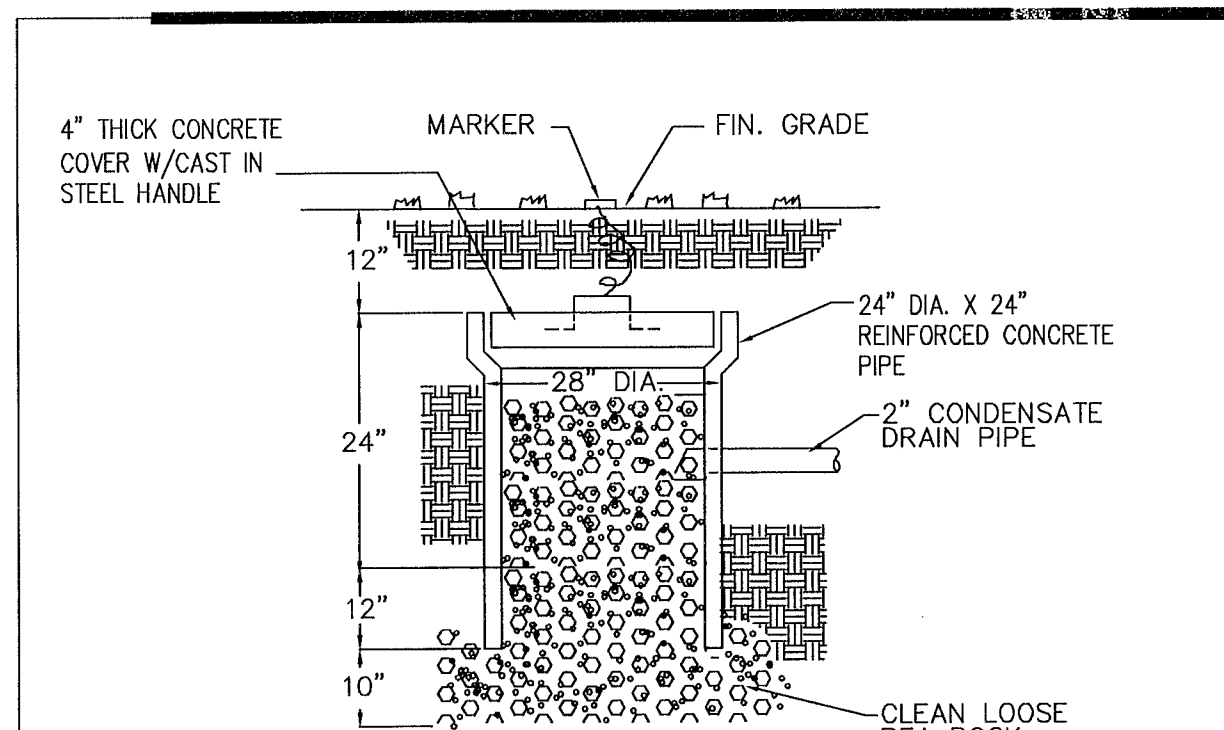
CONDENSING TANKLESS THREE UNIT CIRCULATION DETAIL

N.T.S.



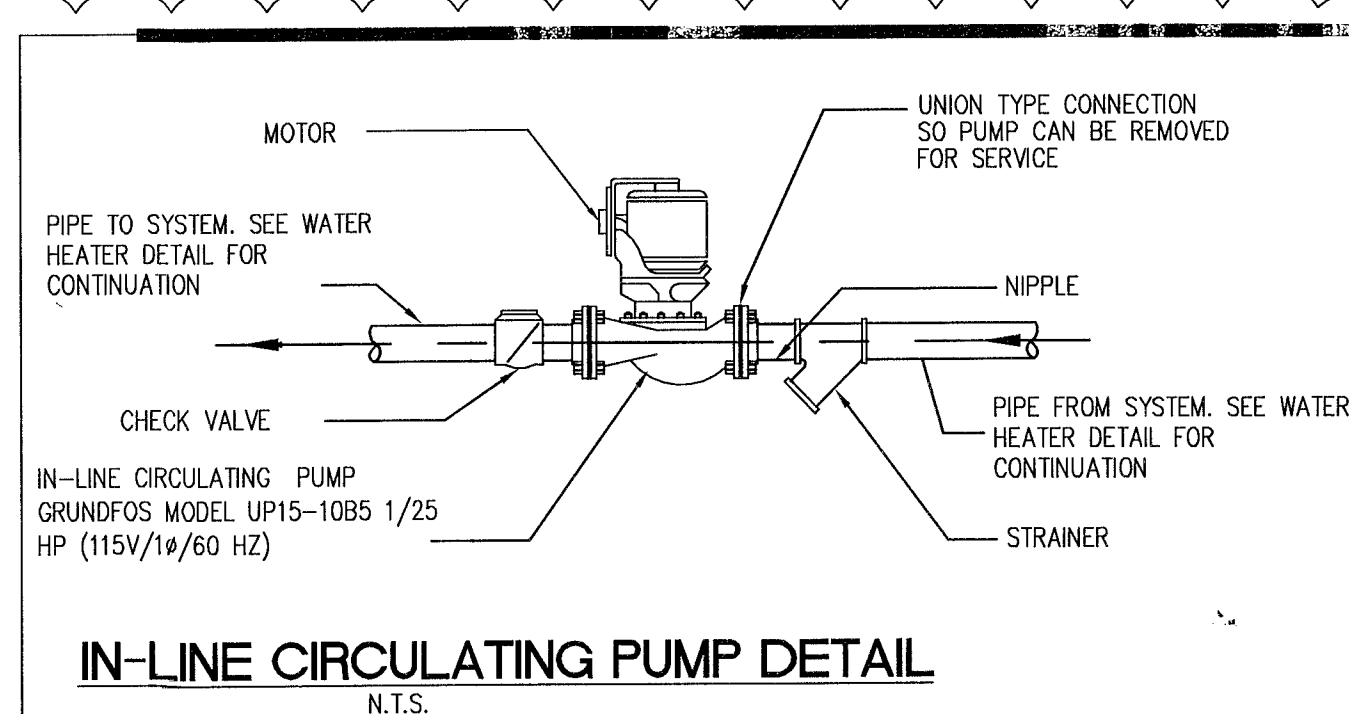
TYPICAL CONDENSATE PIPING CONNECTION DETAIL

N.T.S.



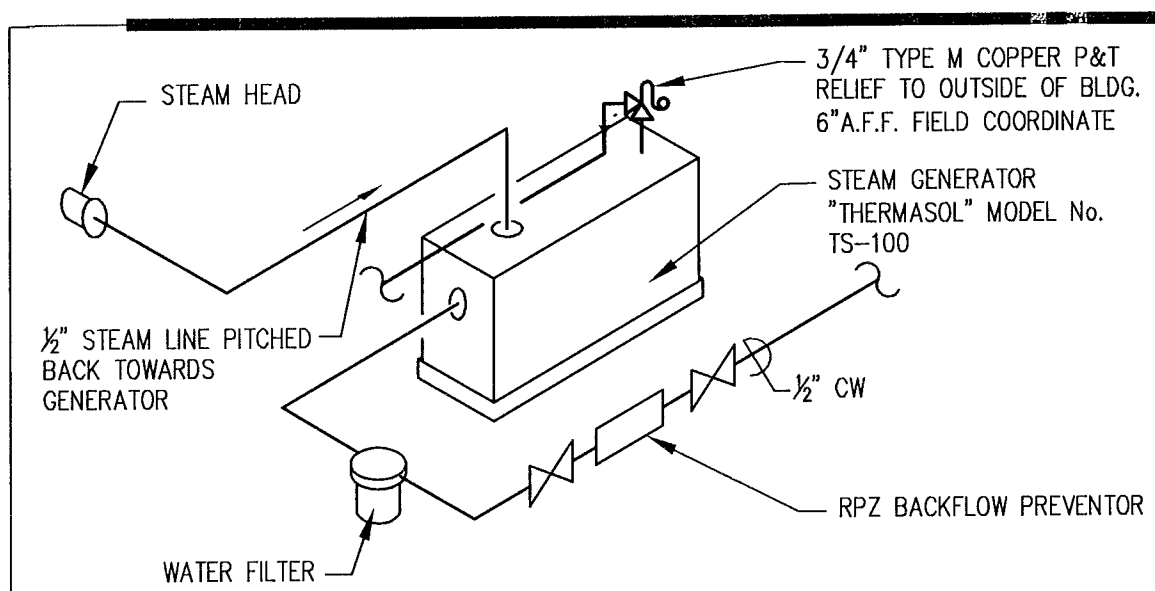
DRY WELL DETAIL

N.T.S.



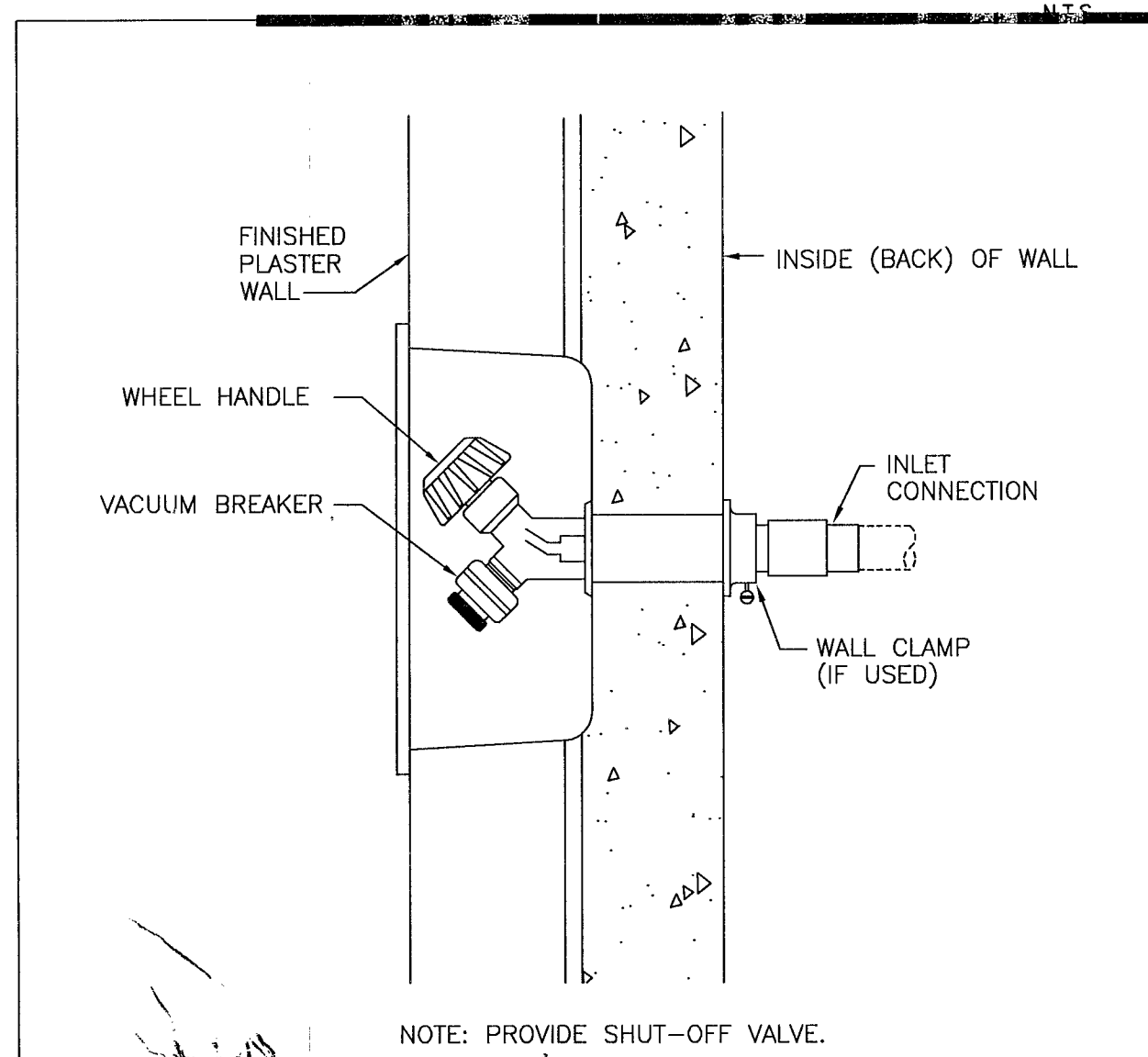
IN-LINE CIRCULATING PUMP DETAIL

N.T.S.



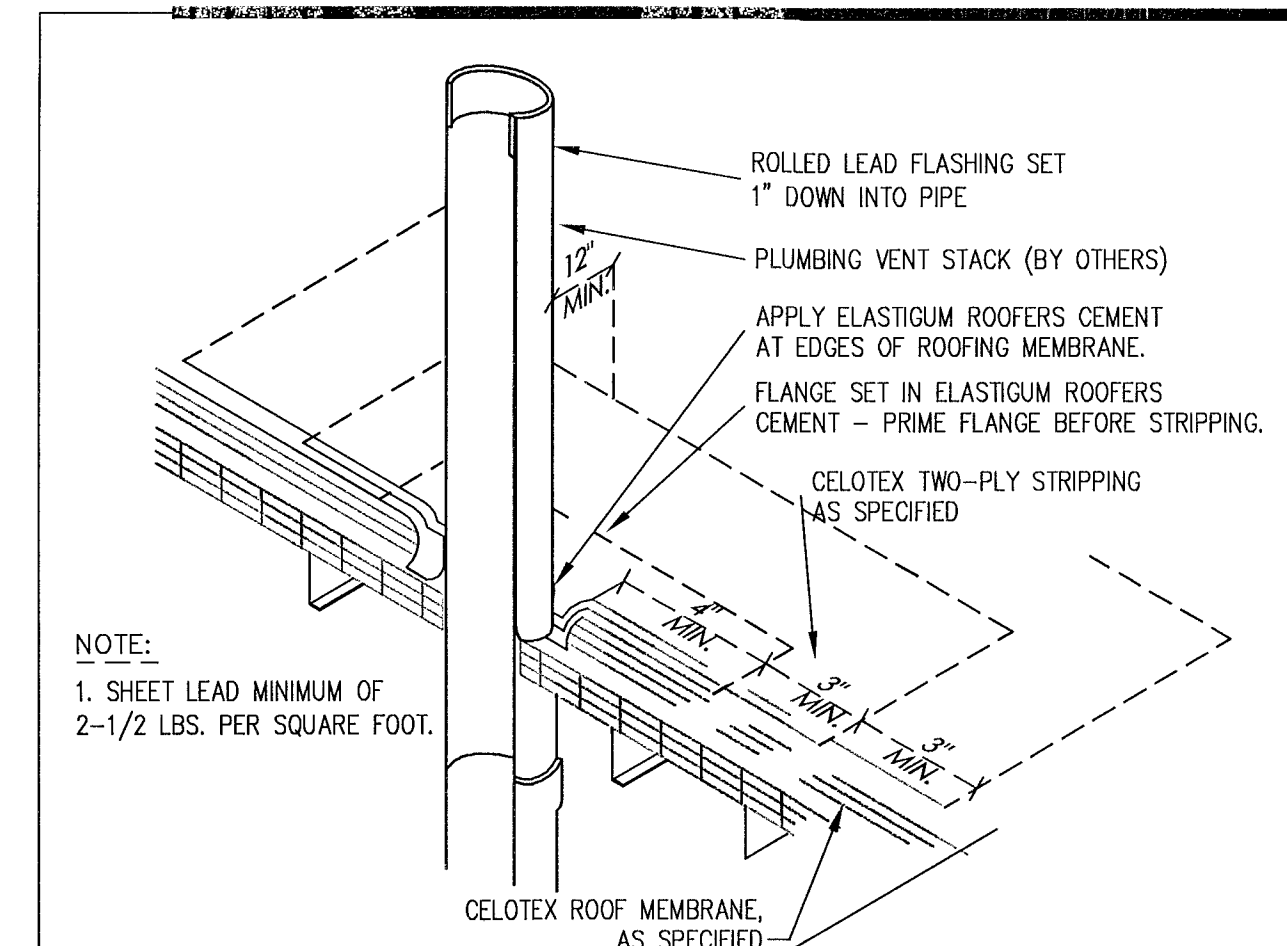
STEAM GENERATOR DETAIL

N.T.S.



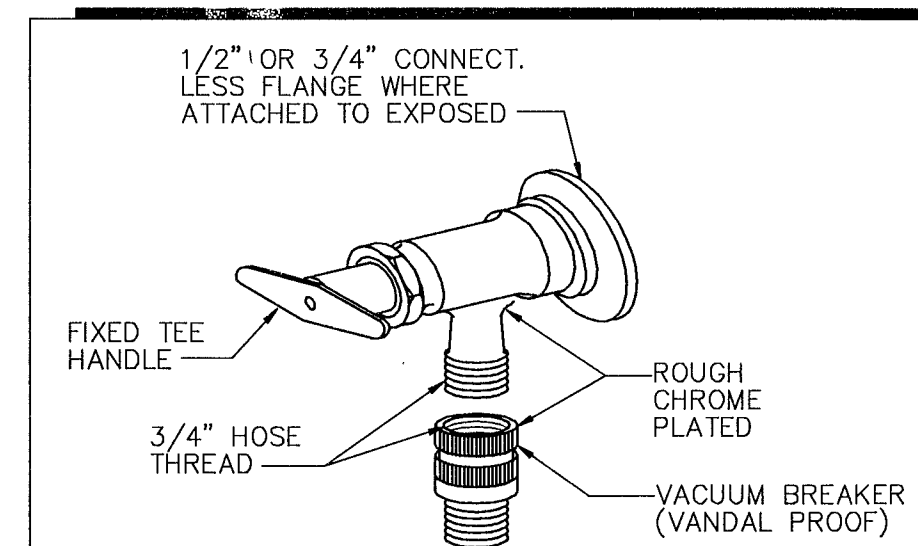
WALL FAUCET DETAIL

N.T.S.



V.T.R./PIPE FLASHING DETAIL

N.T.S.



TYPICAL HOSE BIBB DETAIL

N.T.S.

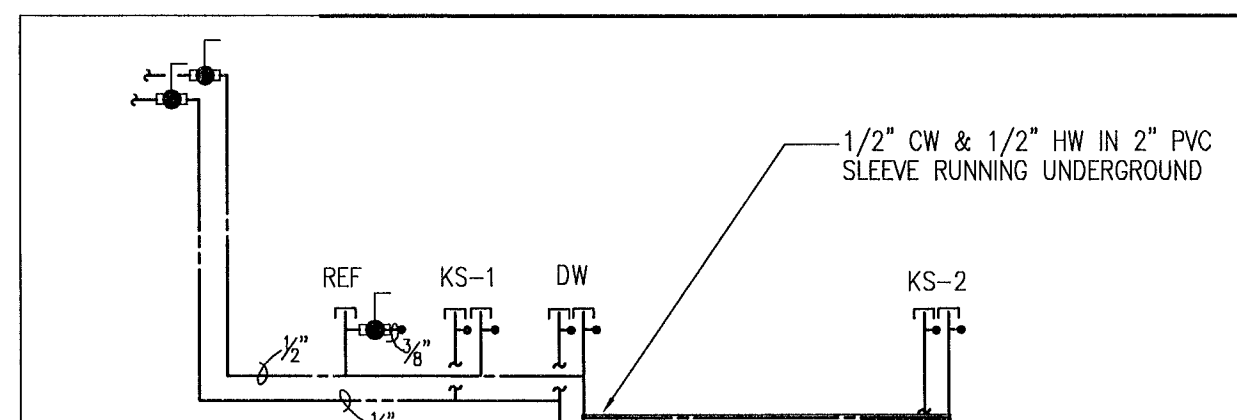
WATER HAMMER ARRESTOR P.D.I. REF.

FIX. UNIT	SIZE	P.D.I. REF.
1-11	1/2"	A
12-32	3/4"	B

NOTE: SHOCK ARRESTORS JOSAM # 75000 PDI "A" OR "B" SHALL BE INSTALLED IN ALL LAVATORIES AND HAND-SINKS.

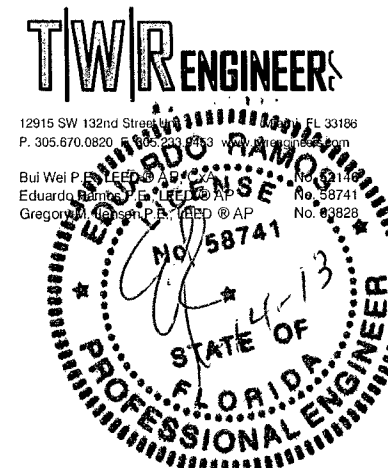
PLUMBING FIXTURE CONNECTION SCHEDULE					
KITCHEN					
MARK	DESCRIPTION	C.W.	H.W.	WASTE	TRAP
K.SK	KITCHEN SINK	1/2"	1/2"	1 1/4"	1 1/4"
SK	PREP SINK	1/2"	1/2"	1 1/4"	1 1/4"
I.SK	ISLAND SINK	1/2"	1/2"	1 1/4"	1 1/4"
WALL FILLER	WALL FILLER	1/2"	-	-	-
MAN CAVE					
MARK	DESCRIPTION	C.W.	H.W.	WASTE	TRAP
L	LAVATORY	1/2"	1/2"	1 1/4"	1 1/4"
UR	URINAL	3/4"	-	3"	INTEGRAL
WC	WATER CLOSET	1/2"	-	3"	INTEGRAL
MASTER BATH					
MARK	DESCRIPTION	C.W.	H.W.	WASTE	TRAP
L	LAVATORY	1/2"	1/2"	1 1/4"	1 1/4"
WC	WATER CLOSET/BIDET	1/2"	-	3"	INTEGRAL
BT	BATHTUB	1/2"	1/2"	2"	2"
UR	URINAL	3/4"	-	3"	INTEGRAL
SH	SHOWER	1/2"	1/2"	2"	2"

- NOTES:
- PLUMBING FIXTURES SHALL COMPLY WITH MIAMI-DADE ORDINANCE 08-14.
 - PLUMBING FIXTURES SHALL COMPLY WITH REFERENCED STANDARDS AS STIPULATED IN FLORIDA BUILDING CODE PLUMBING SECTIONS 406 THROUGH 421.
 - FOR ADDITIONAL BATHROOM AND KITCHEN ACCESSORIES NOT LISTED ABOVE. SEE APPLIANCE PACKAGE



KITCHEN SINK CONNECTION DETAIL

N.T.S.



DRAWN BY:
REVISIONS:
04.05.12 BDC
01.14.13 GENERAL

AA000369
ANTHONY LEON
007652

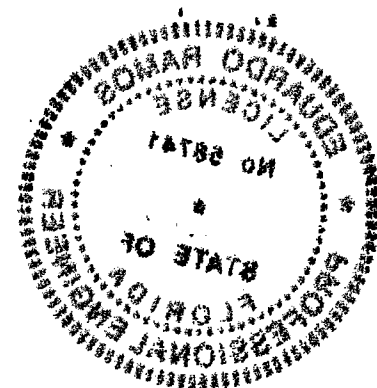
3 DESIGN
ARCHITECTURE

4300 Biscayne Blvd. #G-04, Miami, FL 33137
P: 305.438.9377 | F: 305.438.9379

RESIDENTIAL
REMODELING & ADDITION
5980-NORTH BAY ROAD
MIAMI BEACH, FL
33140

THESE PLANS ARE FOR BUILDING DEPARTMENT REVIEW ONLY. THEY ARE NOT TO BE CONSTRUED AS CONSTRUCTION DOCUMENTS UNTIL ALL BUILDING DEPARTMENT APPROVALS ARE OBTAINED.

P.4



Brev 130296 / B1202278
5980 N BAY RD
Office Copy

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING:	<u>8/28/13</u>
ZONING:	<u>8/22/13</u>
DRB/HPB:	
CONCURRENCY:	
PLUMBING:	<u>8-23-13</u>
ELECTRICAL:	<u>8/21/13</u> <u>8/23/13</u>
MECHANICAL:	<u>8/21/13</u>
FIRE PREVENTION:	
ENGINEERING:	<u>8/24/13</u>
PUBLIC WORKS:	<u>8/27/13</u>
STRUCTURAL:	<u>AV 4/9/13</u>
ELEVATOR:	



MIAMI BEACH

Plan Routing Sheet

General Information		
Date <i>10-11-13</i>	Process/Permit Number Re-Submittals Only <i>BREV140076</i>	Historic (Y/N)
Job Address <i>5980 N. Bay Rd.</i>		
Contact Name <i>Odalis Godoy</i>	E-mail <i>Odalisg26@gmail.com</i>	Telephone <i>786-255-4410</i>

Re-submittals - New Sheets: ☐ Yes ☐ No

List all new sheets:

OFFICE USE ONLY

Required Approvals - As Indicated

☐ Planning & Zoning	☐ Fire	☐ Public Works
☐ Flood Plain Management	☐ Building	☒ Structural
☐ Electrical	☐ Mechanical	☐ Plumbing
☐ Elevator		

Comments:

Reviewer: *Plumy*

Date: *10/11/13*



Walk Thru



Drop Off

BREV 140076 DECO B202278 TRUSS COMPANY, INC.

Trusses & Building Materials
13980 SW 252 Street, Miami, Florida 33032
Telephone: (305) 257-1910 Fax: (305) 257-1911
www.decotruss.com

WARNING:

Extreme Care is required in Handling, Erecting and Bracing Trusses. Refer to TPI's "HIB-91 Summary Sheet", which is attached, to the engineering package.

BUILDING DESIGNER (ARCHITECT or ENGINEER of Recorded)

It is your responsibility to determine that the dimensions conform to the architectural plans and all loads utilized herein meet or exceed the actual Dead Loads Specified and /or imposed on your structure, and Live Loads imposed by The Building Code. PERMANENT BRACING shall be designed and specified by the building designer for the structural safety of the building. It shall be the responsibility of the building designer to indicate size, location and attachments for all permanent bracing as required by design analysis. The design and location of all bracing shall be such that they work together with other structural parts of the building (such as shear walls, portal frames, bearing walls, columns, beams etc.) to achieve total structural integrity. Permanent Bracing includes and is not limited to The Top Chord Plane, The Bottom Chord Plane and The Web Member Planes. The Anchoring / Strapping of trusses to walls, beams, ledgers etc., shall be the responsibility of The Building Designer. Truss to Truss Connections shall be The Responsibility of The Truss Manufacture. (Refer to Documents ANSI/TPI-95 & WTCA-95 for further information)

TRUSS ERECTOR / INSTALLER (Builder)

The proper and safe erection of all the trusses is exclusively your responsibility. You are cautioned to seek professional advice regarding the Erection / Installation and Bracing, which is ALWAYS required to prevent toppling and dominoing. Top Chord, Bottom Chord and Webs shall be adequately braced, as per the attached HIB-91 Summary Sheet. You are also responsible to refer to the Truss Placement Plan and The Engineering when erecting Trusses, to insure proper placement. Not all trusses are symmetrical in loading and/or design. Proper Placement and/or direction are always required. Check all Flat Truss to insure they are not installed UPSIDE DOWN. Never cut or alter trusses in anyway. Never concentrate Building Materials, such as Plywood or Blocks on installed Trusses.

Alterations to Trusses:

"The act of cutting or attaching any item that the truss was not originally designed for"

Trusses cannot be altered from the attached engineering designs, with out proper re-designing by a Florida Registered Engineer. We highly recommend to our customers to use our engineer, however to our knowledge there is no code that states you must use the engineer, who sealed the truss engineering and layout. However, it is of the utmost importance that, any Florida Registered Engineer who takes the task of designing repairs to trusses, should be extremely knowledgeable, not only in structural designs but also have experience designing trusses. Should any alterations be made to our design or manufactured item, the engineer, contractor and homeowner waive all warranties and liabilities by Deco Truss Company, Inc., its officers and engineer. All future, questions regarding said structure and warranties will be held by the persons whom redesigned said trusses and altered them.

ALWAYS REFER TO THE ATTACHED HIB-91 Summary Sheet

Re : 8008: Residence: Wade

Site Information: Project Customer: Frame Pro-Construction
 Lot/Block:

Job Name : Residence: Wade
 Subdivision :

Site Name: 5970 Bay Road,
 Site Address: Miami Beach, FL
 St: Zip:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FRC2010/TPI2007 Design Program: 7.35 Sep 27 2012 Roof Load: 55.0 psf Floor Load: N/A
 Wind Code: Wind Speed: 175 mph

This package includes 112 individual, dated Truss Design Drawings and 0 Additional Drawings.
 With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Date	Truss ID#	Seal#
1	09/03/13	A1	A0012370
2	09/03/13	A2	A0012371
3	09/03/13	A3	A0012372
4	09/03/13	A5	A0012373
5	09/03/13	A6	A0012374
6	09/03/13	A7	A0012375
7	09/03/13	A8	A0012376
8	09/03/13	A9	A0012377
9	09/03/13	AG10	A0012378
10	09/03/13	AG4	A0012379
11	09/03/13	B1	A0012380
12	09/03/13	B12	A0012381
13	09/03/13	B13	A0012382
14	09/03/13	B14	A0012383
15	09/03/13	B15	A0012384
16	09/03/13	B16	A0012385
17	09/03/13	B17	A0012386
18	09/03/13	B18	A0012387
19	09/03/13	B2	A0012388
20	09/03/13	B21	A0012389
21	09/03/13	B22	A0012390
22	09/03/13	B23	A0012391
23	09/03/13	B24	A0012392
24	09/03/13	B5	A0012393

No.	Date	Truss ID#	Seal#
25	09/03/13	B6	A0012394
26	09/03/13	B7	A0012395
27	09/03/13	B8	A0012396
28	09/03/13	B9	A0012397
29	09/03/13	BG11	A0012398
30	09/03/13	BG19	A0012399
31	09/03/13	BG3	A0012400
32	09/03/13	BG4	A0012401
33	09/03/13	CJ12	A0012402
34	09/03/13	CJ4	A0012403
35	09/03/13	CJ9	A0012404
36	09/03/13	CJ9A	A0012405
37	09/03/13	CJ9B	A0012406
38	09/03/13	DG1	A0012407
39	09/03/13	DG2	A0012408
40	09/03/13	E1	A0012409
41	09/03/13	E2	A0012410
42	09/03/13	E3	A0012411
43	09/03/13	E4	A0012412
44	09/03/13	E5	A0012413
45	09/03/13	FG1	A0012414
46	09/03/13	FG2	A0012415
47	09/03/13	HG1	A0012416
48	09/03/13	J1C	A0012417

No.	Date	Truss ID#	Seal#
49	09/03/13	J1F	A0012418
50	09/03/13	J2A	A0012419
51	09/03/13	J3B	A0012420
52	09/03/13	J3F	A0012421
53	09/03/13	J3G	A0012422
54	09/03/13	J3H	A0012423
55	09/03/13	J4A	A0012424
56	09/03/13	J5	A0012425
57	09/03/13	J5B	A0012426
58	09/03/13	J5D	A0012427
59	09/03/13	J5H	A0012428
60	09/03/13	J7	A0012429
61	09/03/13	J7B	A0012430
62	09/03/13	J7E	A0012431
63	09/03/13	J7H	A0012432
64	09/03/13	J9	A0012433
65	09/03/13	J9A	A0012434
66	09/03/13	J9B	A0012435
67	09/03/13	J9C	A0012436
68	09/03/13	JG5	A0012437
69	09/03/13	KG1	A0012438
70	09/03/13	L1	A0012439
71	09/03/13	L11	A0012440
72	09/03/13	L2	A0012441

The seal on this index sheet indicates acceptance of professional engineering responsibility solely for the truss design drawings listed above and attached.

Truss Design Engineer's Name: Mahmoud Zolfaghari P.E.
 License Number #: 36921 Address: 13901 SW 108 Ave, Miami, FL 33176

NOTE: The suitability and use of each component for any particular building is the responsibility of the Building Designer, per ANSI/TPI 1-1995 Section 2.

[Signature]
 9/3/13

5 940
010101

SHOP DRAWING DOCUMENT REVIEW	
THESE DOCUMENTS HAVE BEEN REVIEWED FOR CONFORMANCE WITH THE DESIGN CONCEPT AND INTENT AND GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FABRICATION AND CONSTRUCTION METHODS AND COORDINATION OF THIS TRADE WITH ALL OTHER APPLICABLE TRADES.	
APPROVED AS SUBMITTED	☒
APPROVED AS NOTED	☐
REJECTED / RESUBMIT	☐
DATE <u>10/03/13</u> REVIEWED BY: <u>JFB</u>	
JUAN FERNANDEZ-BARQUIN, P.E. STRUCTURAL ENGINEERS / THRESHOLD INSPECTORS 2520 NW 97 Ave., Suite 240 Doral, Florida 33172 Phone: 786-336-0881 Fax: 786-336-0884	

AW

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No.	Date	Truss ID#	Seal#
73	09/03/13	L3	A0012442
74	09/03/13	L4	A0012443
75	09/03/13	L5	A0012444
76	09/03/13	L6	A0012445
77	09/03/13	L7	A0012446
78	09/03/13	L8	A0012447
79	09/03/13	L9	A0012448
80	09/03/13	LG10	A0012449
81	09/03/13	LG12	A0012450
82	09/03/13	M1	A0012451
83	09/03/13	M2	A0012452
84	09/03/13	MV10	A0012453
85	09/03/13	MV11	A0012454
86	09/03/13	MV12	A0012455
87	09/03/13	MV14	A0012456
88	09/03/13	MV16	A0012457
89	09/03/13	MV3	A0012458
90	09/03/13	MV3A	A0012459
91	09/03/13	MV4	A0012460
92	09/03/13	MV6	A0012461
93	09/03/13	MV7	A0012462
94	09/03/13	MV8	A0012463
95	09/03/13	NG1	A0012464
96	09/03/13	NG2	A0012465

No.	Date	Truss ID#	Seal#
97	09/03/13	R1	A0012466
98	09/03/13	R2	A0012467
99	09/03/13	R3	A0012468
100	09/03/13	R4	A0012469
101	09/03/13	R5	A0012470
102	09/03/13	RG6	A0012471
103	09/03/13	S1	A0012472
104	09/03/13	S2	A0012473
105	09/03/13	SG3	A0012474
106	09/03/13	V12	A0012475
107	09/03/13	V12B	A0012476
108	09/03/13	V16	A0012477
109	09/03/13	V16B	A0012478
110	09/03/13	V20	A0012479
111	09/03/13	V8	A0012480
112	09/03/13	V8B	A0012481

The seal on this index sheet indicates acceptance of professional engineering responsibility solely for the truss design drawings listed above and attached.

Truss Design Engineer's Name: Mahmoud Zolfaghari P.E.
 License Number #: 36921 Address: 13901 SW 108 Ave, Miami, FL 33176

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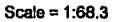

 9/3/13

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APPROVED AS SUBMITTED	☒
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DATE: 10/03/13 REVIEWED BY: JFB	
JUAN FERNANDEZ-BARQUIN, P.E. STRUCTURAL ENGINEERS / THRESHOLD INSPECTORS 2520 NW 97 Ave., Suite 240 Doral, Florida 33172 Phone: 786-336-0881 Fax: 786-336-0884	

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010101

DECO TRUSS COMPANY INC., Princeton, FL 33032

7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Sep 03 10:06:38 2013 Page 1
ID:oLOA2w_01uhnDEKU8IED91zP95P-7NZa8NdEC_uLXkYzocf8_TqTivq4L7me2J7llYhO8F



LUMBER
TOP CHORD 2x4 SP M 31
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
WEDGE
 Left: 2x4 SP No.2, Right: 2x4 SP No.2

REACTIONS (lb/size) 2=2008/0-8-0 (min. 0-2-3), 10=1995/0-8-0 (min. 0-2-3)
 Max Horz 2=7(LC 3)
 Max Uplift 2=1897(LC 3), 10=1869(LC 3)
 Max Grav 2=2626(LC 6), 10=2617(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.

TOP CHORD	2-18=153/1422, 18-23=7790/4728, 2-23=7751/4741, 3-4=7124/4332, 4-5=7085/4344, 5-24=5228/3417, 6-24=5160/3432, 6-25=5160/3432, 7-25=5228/3417, 7-8=7089/4360, 8-9=7127/4348, 9-26=7753/4766, 21-26=7795/4753, 10-21=1557/516
BOT CHORD	17-19=8791/7128, 16-19=4398/7447, 15-16=3828/6393, 14-15=3828/6393, 13-14=3834/6395, 12-13=3834/6395, 12-22=4425/7453, 20-22=944/1746
WEBS	6-14=997/1880, 7-14=1723/1174, 7-12=131/805, 9-12=725/564, 5-14=1722/117, 5-16=118/602, 3-16=723/551, 2-12=1149/977, 18-19=944/988, 17-18=1905/1237, 2-19=860/1528, 10-20=1130/809, 21-22=944/997, 20-21=1903/1235, 10-22=897/1529

NOTES (7)

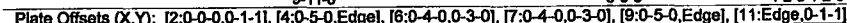
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; TCDF=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCpi=0.18; C-C Exterior(2) 1-6-7 to 2-5-6, Interior(1) 2-5-6 to 15-11-3, Exterior(2) 15-11-3 to 19-11-0, Interior(1) 23-10-13 to 37-2-11; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are MT20 plates unless otherwise indicated.
- 4) Plates checked for a plus or minus 0 degree rotation about its center.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (if=lb) 2=1897, 10=1869.
- 6) "Semi-rigid pitchbreaks with fixed heels" Member and fixity model was used in the analysis and design of this truss.
- 7) 1'-6" left overhang overhang will be applied at field by builder. Refer to Architect or Engineer of Record to attach properly.

LOAD CASE(S) Standard

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DECO TRUSS COMPANY INC., Princeton, FL 33032

7.350 s Sep 27 2012 MITek Industries, Inc. Tue Sep 03 10:00:34 2013 Page 1
ID:oLOA2w 01uhndEku8IED91zP95P-nLazkvDvw81 sojOT97nElmGFAbr3Xs3LggUzRyhODx



LUMBER
TOP CHORD 2x4 SP M 31
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
WEDGE

Left: 2x4 SP No.2. Right: 2x4 SP No.2

REACTIONS (lb/size) 2=2009/0-8-0 (min. 0-2-3), 11=1890/0-2-8 (min. 0-2-2)
 Max Horz 2=83(LC 3)
 Max Uplift 2=1772(LC 3), 11=1516(LC 3)
 Max Grav 2=2619(LC 6), 11=2532(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-1532/337, 19-24=-7772/4298, 3-24=-7733/4311, 3-4=-7080/3862, 4-5=-7049/3873, 5-6=-5410/3103, 7-8=-5410/3103, 8-9=-7068/3975, 9-10=-7107/3965, 10-25=-7720/4484, 22-25=-7799/4471, 11-22=-1513/731, 6-7=-5233/3086
BOT CHORD 18-20=-823/1716, 17-20=-4042/7424, 16-17=-3392/6345, 15-16=-3392/6345, 14-15=-2614/5081, 13-14=-3429/6351, 12-13=-3429/6351, 12-23=-4222/7451, 21-23=-1119/1745
WEBS 6-15=-4882/956, 8-14=-1539/982, 8-12=-248/638, 10-12=-758/702, 5-15=-1532/938, 5-17=-162/615, 3-17=-745/607, 7-14=-480/955, 2-18=-1150/832, 19-20=-927/933, 18-19=-1901/1129, 2-20=-814/1523, 11-21=-929/433, 22-23=-1137/1121, 21-22=-2010/1176, 11-23=-857/1692

NOTES (9)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=138mph; TCDF=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCpi=0.18; C-C Exterior(2) -1-6-7 to 2-5-6, Interior(1) 2-5-6 to 35-10-3, Exterior(2) 35-10-3 to 39-10-0; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Plates checked for a plus or minus 0 degree rotation about its center.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1772, 11=1516.
- 8) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 9) "1'-6" left overhang will be applied at field by builder. Refer to Architect or Engineer of Record to attach properly.

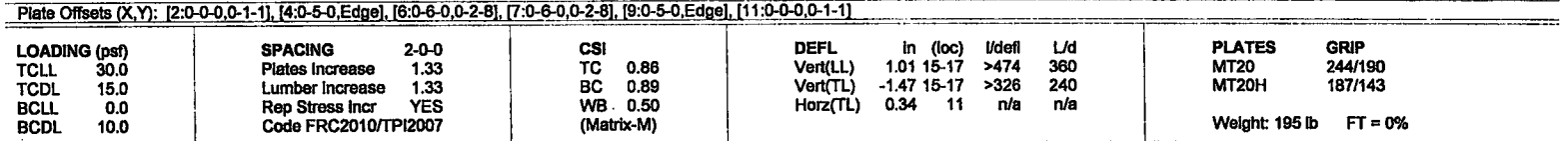
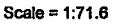
LOAD CASE(S) Standard

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 2-0-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 3-6-3 oc bracing.
WEBS	1 Row at midpt 8-14, 5-15

MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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7.350 s Sep 27 2012 MITek Industries, Inc. Tue Sep 03 10:01:29 2013 Page 1
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MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

NOTES (9)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=138mph; TCDF=5.0psf; BCDL=5.0psf; h=28ft; Cat. II; Exp D; End.; GCpi=0.18; C-C Exterior(2) -1-6-7 to 2-5-6, Interior(1) 2-5-6 to 35-10-3, Exterior(2) 35-10-3 to 39-10-0; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Plates checked for a plus or minus 0 degree rotation about its center.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=1790, 11=1534.
- 8) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 9) 1'-6" left overhang will be applied at field by builder. Refer to Architect or Engineer of Record to attach properly.

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Job	Truss	Truss Type	Qty	Ply	WADE (JI)
8008	AG4	Hip Truss	1	3	

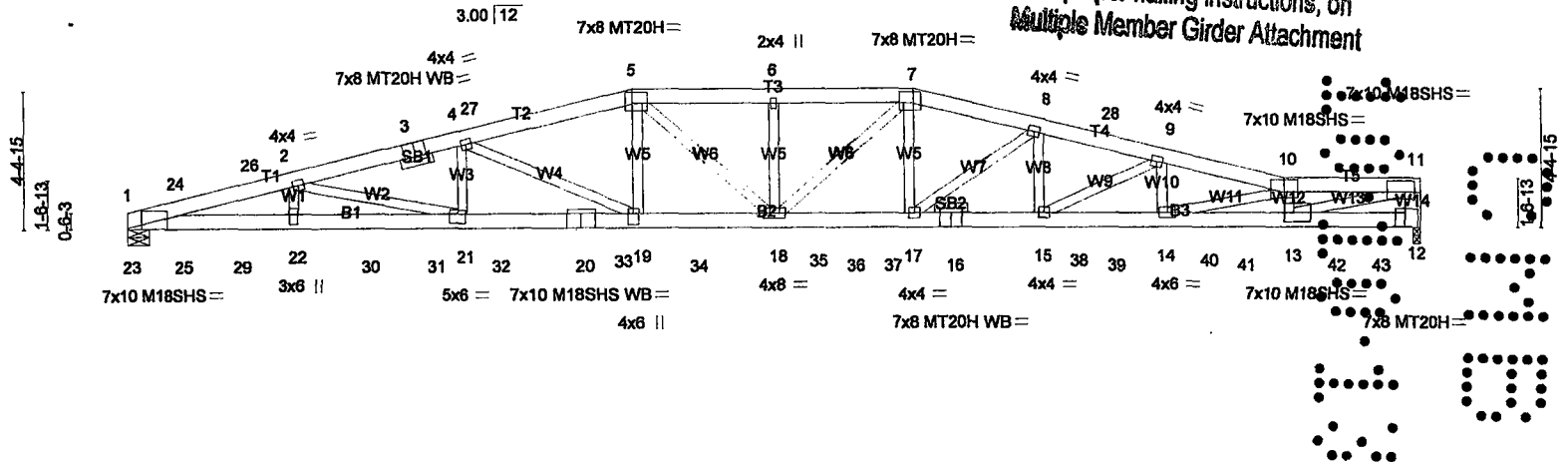
DECO TRUSS COMPANY INC., Princeton, FL 33032

ID: oLOA2w_01uhnDEKU8IED91zP95P-JBBIPrO8_n0MDXFYKSztd_g2oFDtkKUISBN1ygle

5-2-5	10-4-11	15-7-0	19-11-0	24-3-0	28-0-8	31-10-0	35-7-8	39-10-0
5-2-5	5-2-5	5-2-5	4-4-0	4-4-0	3-9-8	3-9-8	3-9-8	4-2-8

Scale = 1:72.4

Contractor, must refer to Engineer Drawing
For proper nailing instructions, on
Multiple Member Girder Attachment



5-2-5	10-4-11	15-7-0	19-11-0	24-3-0	28-0-8	31-10-0	35-7-8	39-10-0
5-2-5	5-2-5	5-2-5	4-4-0	4-4-0	3-9-8	3-9-8	3-9-8	4-2-8

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.95	ln (loc)	MT20	244/190
TCDL 15.0	Plates Increase 1.33	BC 0.80	Vert(LL) 1.27 18 >374 360	MT20H	187/143
BCLL 0.0	Lumber Increase 1.33	WB 0.84	Vert(TL) -1.48 17-18 >322 240	M18SHS	244/190
BCDL 10.0	Rep Stress Incr NO	(Matrix-M)	Horz(TL) 0.31 12 n/a n/a	Weight: 825 lb	FT = 0%
	Code FRC2010/TP12007				

LUMBER	BRACING
TOP CHORD 2x6 SP No.1D	TOP CHORD Structural wood sheathing directly applied or 4-4-3 oc purlins, except end verticals.
BOT CHORD 2x6 SP M 26	BOT CHORD Rigid ceiling directly applied or 6-11-11 oc bracing.
WEBS 2x4 SP No.2 *Except*	
W14: 2x6 SP No.2, W13: 2x4 SP M 31	
OTHERS 2x4 SP No.2	

REACTIONS (lb/size) 1=8827/0-8-0 (min. 0-2-13), 12=9239/0-2-8 (min. 0-1-8)
Max Horz 1=130(LC 3)
Max Uplift 1=9074(LC 3), 12=9411(LC 3)
Max Grav 1=10249(LC 2), 12=10729(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-24=20613/18177, 24-28=32758/28840, 2-26=32894/28843, 2-3=30744/27067, 3-27=30662/27077, 4-27=30640/27078, 4-5=25485/22448, 5-6=25875/22759, 6-7=25875/22759, 7-8=25442/22209, 8-28=29087/25294, 9-28=29121/25290, 9-10=32618/28311, 10-11=29851/26023, 11-12=8851/7592

BOT CHORD 23-25=17632/19875, 25-29=27926/31658, 22-29=27926/31658, 22-30=27926/31658, 30-31=27926/31658, 21-31=27926/31658, 21-32=26246/29838, 32-33=26246/29838, 20-33=26246/29838, 19-20=26246/29838, 19-34=21701/24853, 34-35=21701/24853, 18-35=21701/24853, 18-36=21455/24842, 36-37=21455/24842, 17-37=21455/24842, 16-17=24409/28221, 16-38=24409/28221, 15-38=24409/28221, 15-39=27489/31683, 39-40=27489/31683, 14-40=27489/31683, 14-41=26881/30837, 13-41=26881/30837, 13-42=2585/2939, 42-43=2585/2939, 12-43=2585/2939

WEBS 2-22=1263/1244, 2-21=1957/1736, 4-21=2685/3108, 4-19=5773/5244, 5-19=4153/4727, 5-18=1021/1673, 6-18=530/300, 7-18=1353/1679, 7-17=3891/4694, 8-17=4482/3893, 8-15=2731/3338, 9-15=3950/3502, 9-14=1820/2080, 10-14=633/955, 10-13=7563/6585, 11-13=24400/28017, 1-23=7146/6335, 24-25=480/506, 23-24=4403/3855, 1-25=3413/3889

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; TCDL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCpl=0.18; C-C Exterior(2) 0-0-0 to 3-11-13, Interior(1) 3-11-13 to 9-11-6, Exterior(2) 9-11-6 to 29-10-10, Interior(1) 29-10-10 to 35-7-8; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Plates checked for a plus or minus 0 degree rotation about its center.
- Bearing at joint(s) 12 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 12.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9074 lb uplift at joint 1 and 9411 lb uplift at joint 12.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 830 lb down and 777 lb up at 1-5-12, 830 lb down and 777 lb up at 3-5-12, 830 lb down and 777 lb up at 5-5-12, 830 lb down and 777 lb up at 7-5-12, 830 lb down and 777 lb up at 9-5-12, 830 lb down and 777 lb up at 11-5-12, 830 lb down and 777 lb up at 13-5-12, 830 lb down and 777 lb up at 15-5-12, 822 lb down and 709 lb up at 17-5-12, 822 lb down and 709 lb up at 19-5-12, 822 lb down and 709 lb up at 21-5-12, 822 lb down and 709 lb up at 23-5-12, 829 lb down and 648 lb up at 25-5-12, 829 lb down and 693 lb up at 27-5-12, 829 lb down and 695 lb up at 29-5-12, 829 lb down and 795 lb up at 31-5-12, 829 lb down and 783 lb up at 33-5-12, 849 lb down and 814 lb up at 35-5-12, and 849 lb down and 770 lb up at 37-2-0, and 849 lb down and 814 lb up at 38-6-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)

- Regular: Lumber Increase=1.33, Plate Increase=1.33

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	WADE (JI)
8008	AG4	Hip Truss	1	3	Job Reference (optional)

DECO TRUSS COMPANY INC., Princeton, FL 33032

7.350 s Sep 27 2012 MiTek Industries, Inc. Fri Aug 30 12:37:41 2013 Page 2
ID: oLOA2w_01uhnDEKU8IED91zP95P-JBBiPirO8_n0MDXFYKSztd_g2oFDfkKUISBN1yigle

LOAD CASE(S)

-Uniform Loads (plf)

Vert: 1-5=-75, 5-7=-75, 7-10=-75, 10-11=-75, 12-23=-20

Concentrated Loads (lb)

Vert: 22=-715(B) 19=-715(B) 13=-730 16=-713 25=-715(B) 29=-715(B) 30=-715(B) 31=-715(B) 32=-715(B) 33=-715(B) 34=-708(B) 35=-708(B) 36=-708(B) 37=-708(B) 38=-713 39=-713 40=-713
41=-713 42=-730 43=-730

2) Regular Only: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-5=-90, 5-7=-90, 7-10=-90, 10-11=-90, 12-23=-20

Concentrated Loads (lb)

Vert: 22=-830(B) 19=-830(B) 13=-849 16=-829 25=-830(B) 29=-830(B) 30=-830(B) 31=-830(B) 32=-830(B) 33=-830(B) 34=-822(B) 35=-822(B) 36=-822(B) 37=-822(B) 38=-829 39=-829 40=-829
41=-829 42=-849 43=-849

3) C-C Wind: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-26=115, 26-27=79, 5-27=115, 5-7=106, 7-28=115, 10-28=79, 10-11=106, 12-23=-10

Horz: 1-26=-125, 26-27=-89, 5-27=-125, 7-28=125, 10-28=89

Concentrated Loads (lb)

Vert: 22=767(B) 19=767(B) 13=804 16=638 25=767(B) 29=767(B) 30=767(B) 31=767(B) 32=767(B) 33=767(B) 34=699(B) 35=699(B) 36=699(B) 37=699(B) 38=683 39=686 40=785 41=773 42=760
43=804

4) C-C Wind Positive: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-5=-74, 5-7=-64, 7-10=-74, 10-11=-64, 12-23=-20

Horz: 1-5=44, 7-10=-44

Concentrated Loads (lb)

Vert: 22=777(B) 19=777(B) 13=814 16=648 25=777(B) 29=777(B) 30=777(B) 31=777(B) 32=777(B) 33=777(B) 34=709(B) 35=709(B) 36=709(B) 37=709(B) 38=693 39=695 40=795 41=783 42=770
43=814

5) Live Only: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-5=-30, 5-7=-30, 7-10=-30, 10-11=-30, 12-23=-20

Concentrated Loads (lb)

Vert: 22=-367(B) 19=-367(B) 13=-375 16=-366 25=-367(B) 29=-367(B) 30=-367(B) 31=-367(B) 32=-367(B) 33=-367(B) 34=-364(B) 35=-364(B) 36=-364(B) 37=-364(B) 38=-366 39=-366 40=-366
41=-366 42=-375 43=-375

6) C-C Wind Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-5=-108, 5-7=-101, 7-10=-108, 10-11=-101, 12-23=-20

Horz: 1-5=33, 7-10=-33

Concentrated Loads (lb)

Vert: 22=549(B) 19=549(B) 13=576 16=452 25=549(B) 29=549(B) 30=549(B) 31=549(B) 32=549(B) 33=549(B) 34=498(B) 35=498(B) 36=498(B) 37=498(B) 38=486 39=487 40=563 41=553 42=543
43=576

7) 1st unbalanced Regular: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-5=-75, 5-7=-75, 7-10=-30, 10-11=-30, 12-23=-20

Concentrated Loads (lb)

Vert: 22=-715(B) 19=-715(B) 13=-730 16=-713 25=-715(B) 29=-715(B) 30=-715(B) 31=-715(B) 32=-715(B) 33=-715(B) 34=-708(B) 35=-708(B) 36=-708(B) 37=-708(B) 38=-713 39=-713 40=-713
41=-713 42=-730 43=-730

8) 2nd unbalanced Regular: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-5=-30, 5-7=-75, 7-10=-75, 10-11=-75, 12-23=-20

Concentrated Loads (lb)

Vert: 22=-715(B) 19=-715(B) 13=-730 16=-713 25=-715(B) 29=-715(B) 30=-715(B) 31=-715(B) 32=-715(B) 33=-715(B) 34=-708(B) 35=-708(B) 36=-708(B) 37=-708(B) 38=-713 39=-713 40=-713
41=-713 42=-730 43=-730

9) 3rd unbalanced Regular Only: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-5=-90, 5-7=-90, 7-10=-30, 10-11=-30, 12-23=-20

Concentrated Loads (lb)

Vert: 22=-830(B) 19=-830(B) 13=-849 16=-829 25=-830(B) 29=-830(B) 30=-830(B) 31=-830(B) 32=-830(B) 33=-830(B) 34=-822(B) 35=-822(B) 36=-822(B) 37=-822(B) 38=-829 39=-829 40=-829
41=-829 42=-849 43=-849

10) 4th unbalanced Regular Only: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-5=-30, 5-7=-90, 7-10=-90, 10-11=-90, 12-23=-20

Concentrated Loads (lb)

Vert: 22=-830(B) 19=-830(B) 13=-849 16=-829 25=-830(B) 29=-830(B) 30=-830(B) 31=-830(B) 32=-830(B) 33=-830(B) 34=-822(B) 35=-822(B) 36=-822(B) 37=-822(B) 38=-829 39=-829 40=-829
41=-829 42=-849 43=-849

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Job 8008.	Truss A5	Truss Type SPECIAL TRUSS	Qty 1	Ply 1	WADE (JI)
DECO TRUSS COMPANY INC., Princeton, FL 33032					Job Reference (optional)

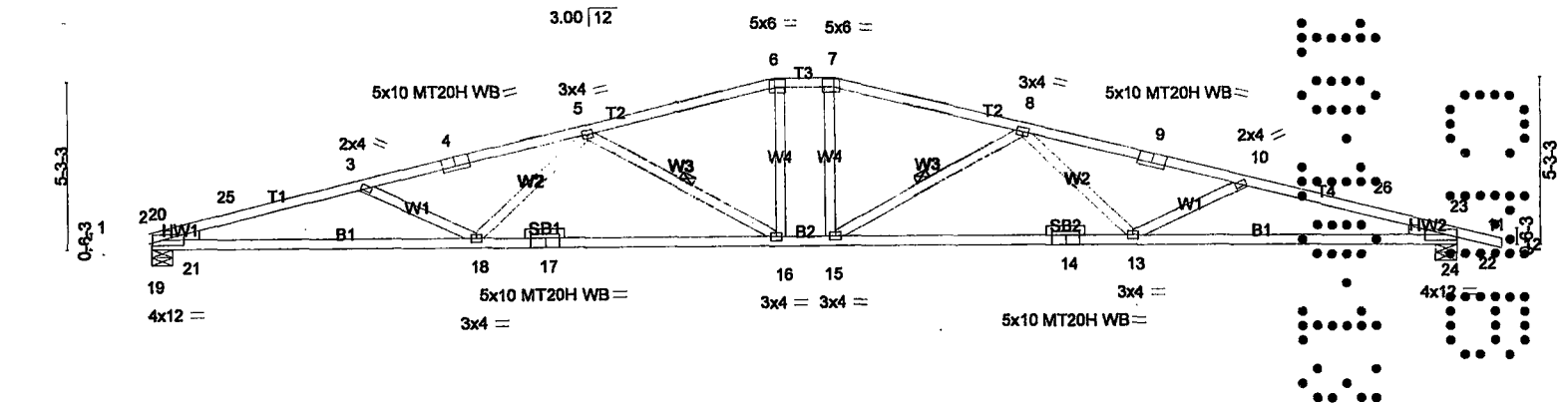
DECO TRUSS COMPANY INC., Princeton, FL 33032

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1-6-0 6-7-11 13-3-5 19-0-0 20-10-0 26-6-11 33-2-5 39-10-0 41-2-8
1-6-0 6-7-11 6-7-11 5-8-11 1-10-0 5-8-11 6-7-11 6-7-11 1-4-8

Scale = 1:71.7



9-11-8	19-0-0	20-10-0	29-10-8	39-10-0
9-11-8	9-0-8	1-10-0	9-0-8	9-11-8

Plate Offsets (X,Y): [2:0-0-0,0-1-1], [4:0-5-0,Edge], [6:0-4-0,0-3-0], [7:0-4-0,0-3-0], [9:0-5-0,Edge], [11:Edge,0-1-1]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plates Increase	1.33	TC 0.88	Vert(LL)	1.01 16-18	>473	360	MT20	244/190
TCDL 15.0	Lumber Increase	1.33	BC 0.88	Vert(TL)	-1.61 16-18	>298	240	MT20H	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.36	Horz(TL)	0.35 11	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007		(Matrix-M)					Weight: 190 lb	FT = 0%

LUMBER
TOP CHORD 2x4 SP M 31
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2, Right: 2x4 SP No.2

BRACING
TOP CHORD
BOT CHORD
WEBS
Structural wood sheathing directly applied or 2-0-4 oc purlins.
Rigid ceiling directly applied or 3-7-0 oc bracing.
1 Row at midpt 8-15, 5-16

MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=2008/0-8-0 (min. 0-2-3), 11=1995/0-8-0 (min. 0-2-3)
Max Horz 2=7(LC 3)
Max Uplift 2=1761(LC 3), 11=1733(LC 3)
Max Grav 2=2620(LC 6), 11=2611(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-1530/328, 20-25=-7773/4256, 3-25=-7734/4269, 3-4=-7095/3822, 4-5=-7055/3832, 5-6=-5352/3021, 7-8=-5352/3021, 8-9=-7058/3847, 9-10=-7096/3838, 10-26=-7738/4285, 23-26=-7778/4282, 11-23=-1557/422, 6-7=-5177/2989
BOT CHORD 19-21=-772/1722, 18-21=-3945/7431, 17-18=-3296/6358, 16-17=-3296/6358, 15-16=-2475/5028, 14-15=-3302/6359, 13-14=-3302/6359, 13-24=-3972/7437, 22-24=-837/1740
WEBS 6-16=-475/951, 8-15=-1587/982, 8-13=-176/614, 10-13=-742/619, 5-16=-1585/975, 5-18=-163/610, 3-18=-739/606, 7-15=-474/951, 2-19=-1149/925, 20-21=-933/928, 19-20=-1900/1126, 2-21=-798/1525, 11-22=-1130/857, 23-24=-934/936, 22-23=-1898/1124, 11-24=-804/1525

NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; TCDL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCpl=0.18; C-C Exterior(2) -1-6-7 to 2-5-6, Interior(1) 2-5-6 to 37-2-11, Exterior(2) 37-2-11 to 41-2-8; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Plates checked for a plus or minus 0 degree rotation about its center.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1761, 11=1733.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) 1'-6" left overhang will be applied at field by builder. Refer to Architect or Engineer of Record to attach property.

LOAD CASE(S) Standard

Mahmound Zolfaghari, P.E.
Consulting Engineers
13901 S.W. 108 Ave.
Miami, Florida 33176
Phone 305-253-2428 Fax 305-235-4248
Florida Professional Engineering License No. 366
Special Inspector License No. 636

DECO TRUSS COMPANY INC., Princeton, FL 33032

Scale = 1:71.7

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 30.0	Plates Increase 1.33	TC 0.86	Vert(LL) 1.00 16-18	>476	360	MT20	244/190
TCDL 15.0	Lumber Increase 1.33	BC 0.89	Vert(TL) -1.48 16-18	>322	240	MT20H	187/143
BCLL 0.0	Rep Stress Incr YES	WB 0.57	Horz(TL) 0.34 11	n/a	n/a		
BCDL 10.0	Code FRC2010/TP12007	(Matrix-M)				Weight: 198 lb	FT = 0%

REACTIONS (lb/size) 2=2008/0-8-0 (min. 0-2-3), 11=1995/0-8-0 (min. 0-2-2)
 Max Horz 2=7(LC 3)
 Max Uplift 2=1779(LC 3), 11=1751(LC 3)
 Max Grav 2=2606(LC 6), 11=2597(LC 6)

NOTES - (10)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; TCdL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCpi=0.18; C-C Exterior(2) -1-6-7 to 2-5-6, Interior(1) 2-5-6 to 37-2-11, Exterior(2) 37-2-11 to 41-2-8; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) The solid section of the plate is required to be placed over the splice line at joint(s) 4, 9.
- 6) Plate(s) at joint(s) 4 and 9 checked for a plus or minus 3 degree rotation about its center.
- 7) Plate(s) at joint(s) 6, 7, 2, 17, 16, 15, 8, 13, 10, 5, 18, 3, 14 and 11 checked for a plus or minus 0 degree rotation about its center.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1779, 11=1751.
- 9) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 10) 1'-6" left overhang will be applied at field by builder. Refer to Architect or Engineer of Record to attach properly.

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Job	Truss	Truss Type	Qty	Ply	WADE (JI)
8008.	A7	SPECIAL TRUSS	1	1	

DECO TRUSS COMPANY INC., Princeton, FL 33032

Job Reference (optional)

ID: oLOA2w_01uhnDEKU8IED91zP95P-9duhy75C9gbO058BISJ_GUHKY8SY8R2fz2PXwWYhO53

1-6-0 6-7-11 13-3-5 15-0-0 19-11-0 24-10-0 26-6-11 33-2-5 39-10-0 41-2-8
1-6-0 6-7-11 6-7-11 1-8-11 4-11-0 4-11-0 1-8-11 6-7-11 6-7-11 1-4-8

Scale = 1:70.5

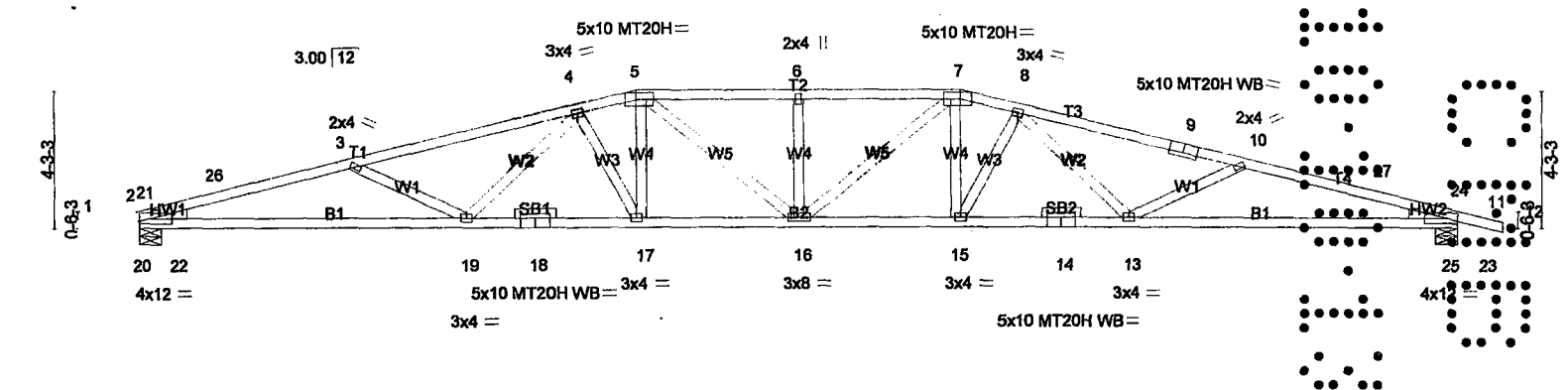


Plate Offsets (X,Y):	9-11-8	15-0-0	19-11-0	24-10-0	29-10-8	39-10-0
	9-11-8	5-0-8	4-11-0	4-11-0	5-0-8	9-11-8

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 30.0	Plates Increase 1.33	TC 0.84	Vert(LL) 1.03	16	>465	360	MT20	244/190
TCDL 15.0	Lumber Increase 1.33	BC 0.89	Vert(TL) -1.48	16	>323	240	MT20H	187/143
BCLL 0.0	Rep Stress Incr YES	WB 0.29	Horz(TL) 0.34	11	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007	(Matrix-M)						
							Weight: 201 lb	FT = 0%

LUMBER
TOP CHORD 2x4 SP M 31
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2, Right: 2x4 SP No.2

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 2-1-10 oc purlins.
Rigid ceiling directly applied or 3-5-13 oc bracing.

Mitek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=2008/0-8-0 (min. 0-2-2), 11=1995/0-8-0 (min. 0-2-2)
Max Horz2=7(LC 3)
Max Uplift2=1797(LC 3), 11=1769(LC 3)
Max Grav2=2593(LC 6), 11=2583(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=1535/359, 21-26=7664/4388, 3-26=7625/4401, 3-4=6963/3960, 4-5=6145/3681, 7-8=6145/3684, 8-9=6924/3975, 9-10=6986/3963, 10-27=7627/4427, 24-27=7669/4414, 11-24=1561/453, 5-6=6330/3828, 6-7=6330/3828
BOT CHORD 20-22=799/1683, 19-22=4072/7328, 18-19=3428/6273, 17-18=3428/6273, 16-17=3144/5823, 15-16=3147/5823, 14-15=3431/6274, 13-14=3431/6274, 13-25=4099/7334, 23-25=864/1701
WEBS 5-17=594/1084, 8-15=1052/653, 8-13=167/546, 10-13=773/625, 4-17=1051/650, 4-19=153/543, 3-19=770/611, 7-15=595/1084, 6-16=570/500, 7-16=328/727, 5-16=332/728, 2-20=1160/943, 21-22=852/929, 20-21=1873/1156, 2-22=823/1501, 11-23=1141/875, 24-25=853/940, 23-24=1871/1154, 11-25=830/1502

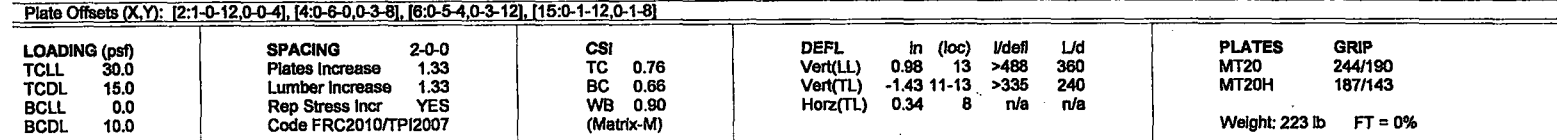
NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=138mph; TCDL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCpi=0.18; C-C Exterior(2) -1-6-7 to 2-5-6, Interior(1) 2-5-6 to 37-2-11, Exterior(2) 37-2-11 to 41-2-8; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Plates checked for a plus or minus 0 degree rotation about its center.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1797, 11=1769.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) 1'-6" left overhang will be applied at field by builder. Refer to Architect or Engineer of Record to attach properly.

LOAD CASE(S) Standard

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DECO TRUSS COMPANY INC., Princeton, FL 33032

Scale = 1:70.0



REACTIONS (lb/size) 2=2009/0-8-0 (min. 0-2-2), 8=1995/0-8-0 (min. 0-2-2)
 Max Horz 2=7(LC 3)
 Max Uplift 2=1818(LC 3), 8=1787(LC 3)
 Max Grav 2=2580(LC 6), 8=2570(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-3971/2022, 18-23=-7796/4477, 3-23=-7731/4488, 3-4=-8693/3987, 6-7=-6690/3993, 7-24=-7724/4513, 21-24=-7791/4502,
8-21=-3998/2127, 4-5=-7346/4518, 5-6=-7346/4518
BOT CHORD 17-19=-1831/3686, 16-19=-4160/7469, 15-16=-4160/7469, 14-15=-3562/6405, 13-14=-3562/6405, 12-13=-3567/6403, 11-12=-3567/6403,
10-11=-4185/7463, 10-22=-4185/7463, 20-22=-1935/3710
WEBS 4-15=-1270/740, 7-11=-1121/647, 3-15=-1122/624, 6-11=-133/478, 5-13=-719/646, 6-13=-634/1177, 4-13=-639/1178, 2-17=-1930/1434,
18-19=-447/403, 17-18=-691/489, 2-19=-424/669, 8-20=-1918/1400, 21-22=-480/410, 20-21=-685/466, 8-22=-405/664

NOTES (10)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=138mph; TCFL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCPl=0.18; C-C Exterior(2) -1-6-11 to 2-5-2, Interior(1) 2-5-2 to 37-2-11, Exterior(2) 37-2-11 to 41-2-8; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) The solid section of the plate is required to be placed over the splice line at joint(s) 4.
- 6) Plate(s) at joint(s) 4 checked for a plus or minus 2 degree rotation about its center.
- 7) Plate(s) at joint(s) 6, 2, 14, 15, 11, 7, 10, 3, 16, 12, 8, 13 and 5 checked for a plus or minus 0 degree rotation about its center.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (if=lb) 2=1818, 8=1787.
- 9) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 10) 1'-6" left overhang will be applied at field by builder. Refer to Architect or Engineer of Record to attach properly.

LOAD CASE(S) Standard

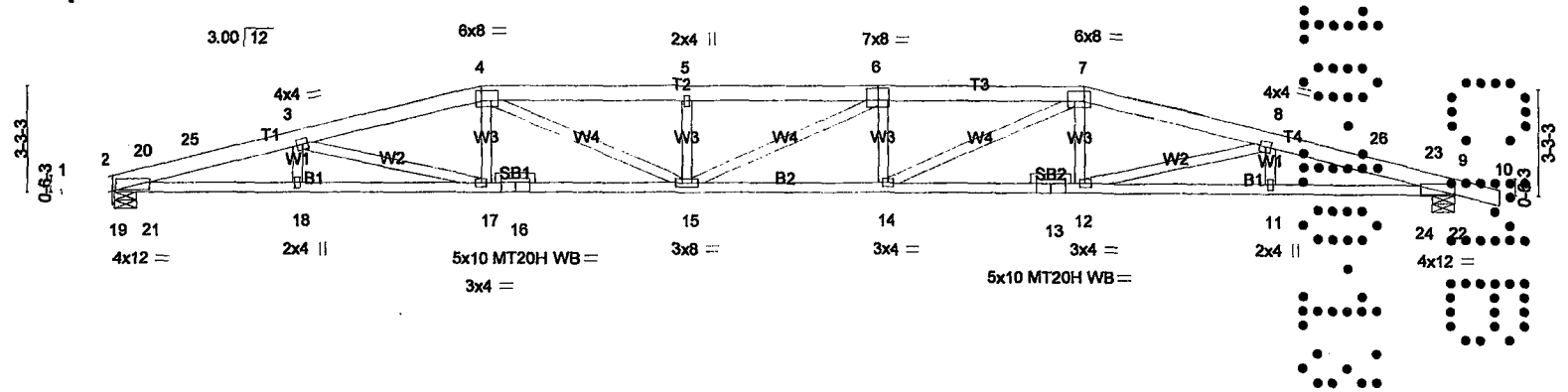
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Special Inspector License No. 636

Job 8008-	Truss A9	Truss Type SPECIAL TRUSS	Qty 1	Ply 1	WADE (JI)
DECO TRUSS COMPANY INC., Princeton, FL 33032					Job Reference (optional)

ID: oLOA2w_01uhnDEKU8IED91zP95P-IHP0D4uf3SMFO_1pzFUwovypvCMnYjnbDj7weNyhO2K 7.350 s Sep 27 2012 MITek Industries, Inc. Tue Sep 03 10:12:31 2013 Page 1

1-6-0	5-6-0	11-0-0	16-11-15	22-10-1	28-10-0	34-4-0	39-10-0	41-2-8
1-6-0	5-6-0	5-6-0	5-11-15	5-10-3	5-11-15	5-6-0	5-6-0	1-4-8

Scale = 1:89.4



5-6-0	11-0-0	16-11-15	22-10-1	28-10-0	34-4-0	39-10-0
5-6-0	5-6-0	5-11-15	5-10-3	5-11-15	5-6-0	5-6-0

Plate Offsets (X,Y): [2:1-0-8,0-0-4], [4:0-6-0,0-3-12], [6:0-4-0,0-4-8], [7:0-6-0,0-3-12], [12:0-1-12,0-1-8], [17:0-1-12,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 30.0	Plates Increase	1.33	TC 0.78	Vert(LL)	1.17 14-15	>410	360	MT20	244/190
TCDL 15.0	Lumber Increase	1.33	BC 0.68	Vert(TL)	-1.69 14-15	>283	240	MT20H	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.74	Horz(TL)	0.35 9	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007		(Matrix-M)						
Weight: 227 lb									FT = 0%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 2-2-0 oc purlins.
Rigid ceiling directly applied or 3-6-4 oc bracing.

MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=2009/0-8-0 (min. 0-2-2), 9=1995/0-8-0 (min. 0-2-2)
Max Horz 2=7(LC 3)
Max Uplift 2=1836(LC 3), 9=1805(LC 3)
Max Grav 2=2567(LC 6), 9=2556(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-20=407/12133, 20-25=7690/4496, 3-25=7625/4505, 3-4=7057/4272, 4-5=8297/5157, 5-6=8297/5157, 6-7=8283/5151, 7-8=7061/4283, 8-26=7632/4542, 23-26=7697/4534, 9-23=4099/2236

BOT CHORD 19-21=1938/3789, 18-21=4181/7366, 17-18=4181/7366, 16-17=3876/6782, 15-16=3876/6782, 14-15=4840/6230, 13-14=3886/6785, 12-13=3886/6785, 11-12=4219/7374, 11-24=4219/7374, 22-24=2038/3816

WEBS 3-17=623/319, 4-17=58/333, 4-15=1048/1688, 5-15=579/513, 6-14=621/516, 7-14=1030/1670, 7-12=65/335, 8-12=627/348, 2-19=1961/1478, 20-21=436/359, 19-20=540/395, 2-21=320/507, 9-22=1951/1443, 23-24=435/358, 22-23=533/376, 9-24=305/501

NOTES (11)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; TCDL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; End.; GCPl=0.18; C-C Exterior(2) -1-6-11 to 2-5-2, Interior(1) 2-5-2 to 37-2-11, Exterior(2) 37-2-11 to 41-2-8; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- The solid section of the plate is required to be placed over the splice line at joint(s) 4, 6, 7, 16, 13.
- Plate(s) at joint(s) 4, 6 and 7 checked for a plus or minus 2 degree rotation about its center.
- Plate(s) at joint(s) 2, 3, 18, 17, 15, 5, 14, 12, 8, 11 and 9 checked for a plus or minus 0 degree rotation about its center.
- Plate(s) at joint(s) 16 and 13 checked for a plus or minus 3 degree rotation about its center.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (It=lb) 2=1836, 9=1805.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 1'-6" left overhang will be applied at field by builder. Refer to Architect or Engineer of Record to attach property.

LOAD CASE(S) Standard

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Special Inspector License No 636

Job	Truss	Truss Type	Qty	Ply	WADE (JI)
8008 *	AG10	SPECIAL TRUSS	1	3	

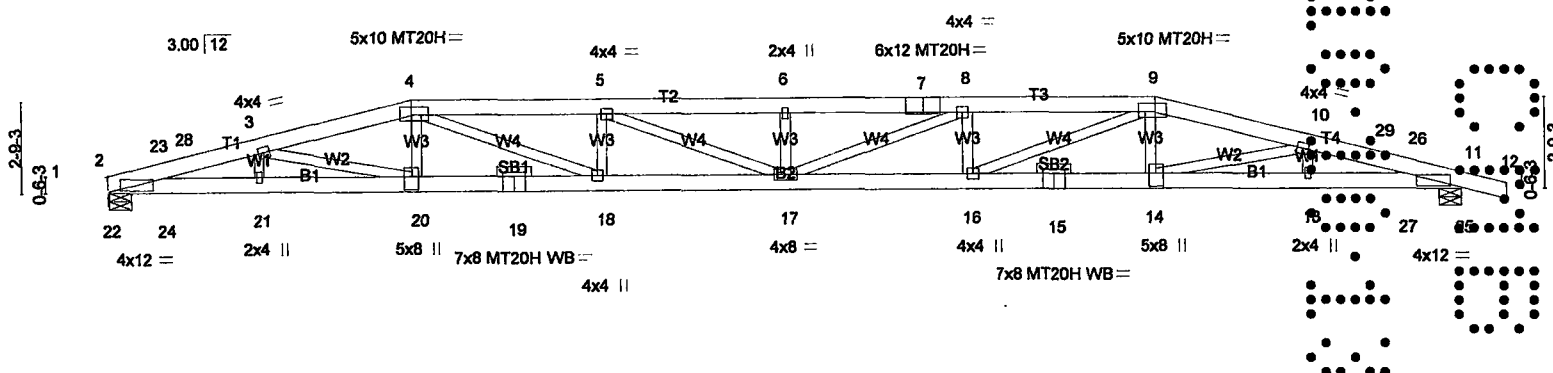
DECO TRUSS COMPANY INC., Princeton, FL 33032

7:350 s Sep 27 2012 MITek Industries, Inc. Tue Sep 03 10:36:41 2013 Page 1
ID: oLOA2w_01uhnDEKU8IED91zP95P-qE0BYuRBby2VWpuVwmVyZh0j7iGDHaQ0fJFeYLnN4

1-6-0	4-6-0	9-0-0	14-6-6	19-11-0	25-3-10	30-10-0	35-4-0	39-10-0	41-2-8
1-6-0	4-6-0	4-6-0	5-6-6	5-4-10	5-4-10	5-6-6	4-6-0	4-6-0	1-4-8

Scale = 1:89.4

Contractor, must refer to Engineer Drawing
For proper nailing instructions, on
Multiple Member Girder Attachment



4-6-0	9-0-0	14-6-6	19-11-0	25-3-10	30-10-0	35-4-0	39-10-0
4-6-0	4-6-0	5-6-6	5-4-10	5-4-10	5-6-6	4-6-0	4-6-0

Plate Offsets (X,Y): [4:0-6-0,0-3-0], [7:0-6-0,Edge], [9:0-6-0,0-3-0], [14:0-4-12,0-2-4], [20:0-4-12,0-2-4]							
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	L/defl
TCLL 30.0	Plates Increase	1.33	TC 0.33	Vert(LL)	1.19	17	>400
TCDL 15.0	Lumber Increase	1.33	BC 0.54	Vert(TL)	-1.58	17	>302
BCLL 0.0	Rep Stress Incr	NO	WB 0.44	Horz(TL)	0.24	11	n/a
BCDL 10.0	Code FRC2010/TP12007		(Matrix-M)				n/a
				PLATES GRIP			
				MT20 244/180			
				MT20H 187/143			
				Weight: 778 lb FT = 0%			

LUMBER	BRACING
TOP CHORD 2x6 SP M 26	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP M 26	BOT CHORD Rigid ceiling directly applied or 8-7-3 oc bracing.
WEBS 2x4 SP No.2	
OTHERS 2x4 SP No.2	

REACTIONS (lb/size) 2=4693/0-8-0 (min. 0-2-2), 11=4678/0-8-0 (min. 0-2-2)
Max Horz 2=7(LC 3)
Max Uplift 2=4873(LC 3), 11=4842(LC 3)
Max Grav 2=7809(LC 6), 11=7599(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=19985/11802, 23-28=24129/14399, 3-28=24082/14404, 3-4=27254/16407, 4-5=33643/20554, 5-6=36165/22149, 6-7=36165/22149, 7-8=36165/22149, 8-9=33645/20561, 9-10=27256/16421, 10-29=24091/14447, 26-29=24138/14442, 11-26=19983/11877
BOT CHORD 22-24=11285/19248, 21-24=13740/23245, 20-21=13740/23245, 19-20=15810/26604, 18-19=15810/26604, 17-18=20261/33577, 16-17=20268/33578, 15-16=15824/26607, 14-15=15824/26607, 13-14=13783/23254, 13-27=13783/23254, 25-27=11364/19264
WEBS 3-21=1212/841, 3-20=2030/3272, 4-20=1626/2963, 4-18=4822/7555, 5-18=1030/712, 5-17=1736/2743, 6-17=286/183, 8-17=1728/2741, 8-16=1030/709, 9-16=4815/7554, 9-14=1632/2965, 10-14=1999/3266, 10-13=1211/833, 2-22=6939/4487, 23-24=304/544, 2-24=298/176, 11-25=6927/4459, 26-27=292/541, 11-27=301/185

- NOTES (14)
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 20-4 2x4 - 2 rows staggered at 0-5-0 oc, member 14-9 2x4 - 2 rows staggered at 0-5-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; TCCL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCpl=0.18; C-C Exterior(2) 1-6-11 to 2-5-2, Interior(1) 2-5-2 to 37-2-11, Exterior(2) 37-2-11 to 41-2-8; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - The solid section of the plate is required to be placed over the splice line at joint(s) 4, 9.
 - Plate(s) at joint(s) 4 and 9 checked for a plus or minus 3 degree rotation about its center.
 - Plate(s) at joint(s) 7, 2, 19, 3, 21, 20, 18, 5, 17, 6, 8, 16, 14, 10, 13, 15 and 11 checked for a plus or minus 0 degree rotation about its center.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=4873, 11=4842.
 - Girder carries hip end with 9-0-0 end setback.
 - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2190 lb down and 1214 lb up at 30-10-0, and 2190 lb down and 1214 lb up at 9-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 1'-6" left overhang will be applied at field by builder. Refer to Architect or Engineer of Record to attach property.

LOAD CASE(S)
1) Regular: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=-75, 4-9=-38(F=38), 9-12=-75, 20-22=-20, 14-20=-208(F=188), 14-25=-20
Concentrated Loads (lb)
Vert: 20=-1069(F) 14=-1069(F)
2) Regular Only: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=-80, 4-9=-45(F=45), 9-12=-80, 20-22=-20, 14-20=-239(F=219), 14-25=-20
Concentrated Loads (lb)
Vert: 20=-1238(F) 14=-1238(F)

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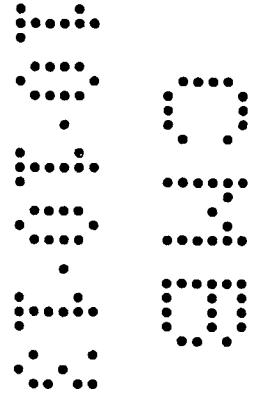
Job	Truss	Truss Type	Qty	Ply	WADE (JI)
8008.	AG10	SPECIAL TRUSS	1	3	Job Reference (optional)

DECO TRUSS COMPANY INC., Princeton, FL 33032

7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Sep 03 10:36:41 2013 Page 2
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LOAD CASE(S)

- 3) C-C Wind: Lumber Increase=1.60, Plate Increase=1.60
 - Uniform Loads (plf)
 - Vert: 1-2=189, 2-28=115, 4-28=79, 4-9=26(F=61), 9-29=79, 11-29=115, 11-12=189, 20-22=-10, 14-20=220(F=230), 14-25=-10
 - Horz: 1-2=199, 2-28=125, 4-28=89, 9-29=89, 11-29=125, 11-12=199
 - Concentrated Loads (lb)
 - Vert: 20=1214(F) 14=1214(F)
- 4) C-C Wind Positive: Lumber Increase=1.60, Plate Increase=1.60
 - Uniform Loads (plf)
 - Vert: 1-2=-3, 2-4=-74, 4-9=0(F=64), 9-11=-74, 11-12=-3, 20-22=-20, 14-20=-319(F=-299), 14-25=-20
 - Horz: 1-2=-27, 2-4=44, 8-11=44, 11-12=27
 - Concentrated Loads (lb)
 - Vert: 20=-2058(F) 14=-2058(F)
- 5) Live Only: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
 - Uniform Loads (plf)
 - Vert: 1-4=-30, 4-9=-15(F=15), 9-12=-30, 20-22=-20, 14-20=-114(F=-94), 14-25=-20
 - Concentrated Loads (lb)
 - Vert: 20=-563(F) 14=-563(F)
- 6) C-C Wind Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60
 - Uniform Loads (plf)
 - Vert: 1-2=-55, 2-4=-108, 4-9=-26(F=74), 9-11=-108, 11-12=-55, 20-22=-20, 14-20=-361(F=-341), 14-25=-20
 - Horz: 1-2=-20, 2-4=33, 9-11=33, 11-12=20
 - Concentrated Loads (lb)
 - Vert: 20=-2190(F) 14=-2190(F)
- 7) 1st unbalanced Regular: Lumber Increase=1.33, Plate Increase=1.33
 - Uniform Loads (plf)
 - Vert: 1-4=-75, 4-9=-38(F=38), 9-12=-30, 20-22=-20, 14-20=-208(F=-188), 14-25=-20
 - Concentrated Loads (lb)
 - Vert: 20=-1069(F) 14=-1069(F)
- 8) 2nd unbalanced Regular: Lumber Increase=1.33, Plate Increase=1.33
 - Uniform Loads (plf)
 - Vert: 1-4=-30, 4-9=-38(F=38), 9-12=-75, 20-22=-20, 14-20=-208(F=-188), 14-25=-20
 - Concentrated Loads (lb)
 - Vert: 20=-1069(F) 14=-1069(F)
- 9) 3rd unbalanced Regular Only: Lumber Increase=1.33, Plate Increase=1.33
 - Uniform Loads (plf)
 - Vert: 1-4=-80, 4-9=-45(F=45), 9-12=-30, 20-22=-20, 14-20=-239(F=-219), 14-25=-20
 - Concentrated Loads (lb)
 - Vert: 20=-1238(F) 14=-1238(F)
- 10) 4th unbalanced Regular Only: Lumber Increase=1.33, Plate Increase=1.33
 - Uniform Loads (plf)
 - Vert: 1-4=-30, 4-9=-45(F=45), 9-12=-80, 20-22=-20, 14-20=-239(F=-219), 14-25=-20
 - Concentrated Loads (lb)
 - Vert: 20=-1238(F) 14=-1238(F)

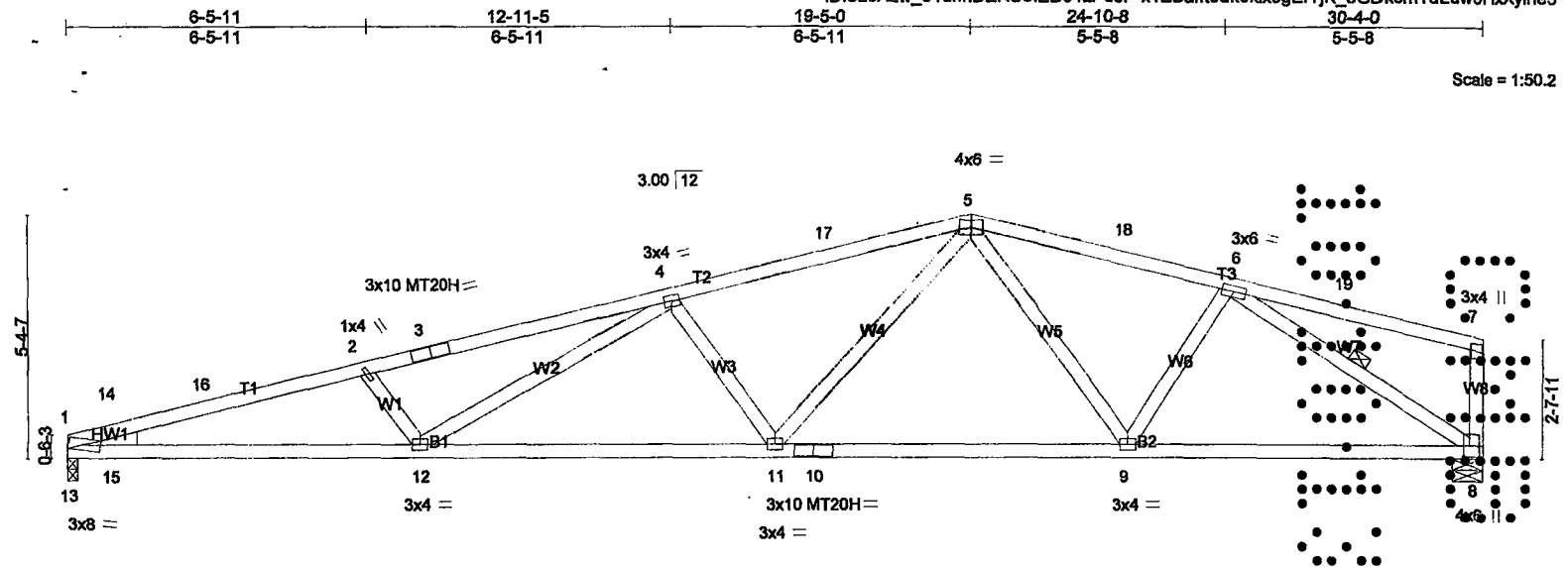


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Job 8008	Truss B1	Truss Type Special Truss	Qty 4	Ply 1	WADE (JI)
Job Reference (optional)					

DECO TRUSS COMPANY INC., Princeton, FL 33092

7.350 s Sep 27 2012 MITek Industries, Inc. Fri Aug 30 11:06:32 2013 Page 1
ID: oLOA2w_01uhnDEKU8IED91zP95P-x1EBaff5dk0kx9gErTJK_3GDkcmTdLuw9HxYiHe5



Scale = 1:50.2

Plate Offsets (X,Y): [8:0-3-0,0-1-8]		7-7-0		15-2-0		22-9-0		30-4-0	
LOADING (psf)		SPACING		CSI		DEFL		PLATES	
TCLL	30.0	Plates Increase	1.33	TC	0.95	in (loc)	l/defl	L/d	GRIP
TCDL	15.0	Lumber Increase	1.33	BC	0.62	Vert(LL)	0.54 11-12	>676	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Vert(TL)	-0.78 11-12	>463	187/143
BCDL	10.0	Code FRC2010/TPI2007		(Matrix-M)		Horz(TL)	0.15 8	n/a	
Weight: 148 lb									FT = 0%

LUMBER
TOP CHORD 2x4 SP No.1 *Except*
T3: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1: 2x4 SP M 31
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-2-1 oc bracing.
WEBS 1 Row at midpt 6-8

MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=1434/0-2-8 (min. 0-1-9), 8=1434/0-8-0 (min. 0-2-4)
Max Horz 1=192(LC 3)
Max Uplift 1=1221(LC 3), 8=1297(LC 3)
Max Grav 1=1923(LC 6), 8=1930(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=1076/559, 14-16=5617/3407, 2-16=5550/3420, 2-3=5311/3260, 3-4=5259/3273, 4-17=3864/2518, 5-17=3797/2525, 5-18=2668/1858, 6-18=2723/1850, 7-8=266/276
BOT CHORD 13-15=987/1309, 12-15=3395/5422, 11-12=2685/4251, 10-11=1692/2639, 9-10=1692/2639, 8-9=1527/2327
WEBS 2-12=588/489, 4-12=523/1006, 4-11=1169/834, 5-11=843/1526, 5-9=309/208, 6-9=98/479, 6-8=2762/1819, 1-13=729/391, 14-15=759/807, 13-14=1485/894, 1-15=731/1196

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; TCDL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCpl=0.18; C-C Exterior(2) 0-0-0 to 3-0-6, Interior(1) 3-0-6 to 16-4-10, Exterior(2) 16-4-10 to 19-5-0, Interior(1) 22-5-6 to 27-1-14; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are MT20 plates unless otherwise indicated.
- Plates checked for a plus or minus 0 degree rotation about its center.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1221 lb uplift at joint 1 and 1297 lb uplift at joint 8.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

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Job 8008	Truss B2	Truss Type SPECIAL TRUSS	Qty 1	Ply 1	WADE (JI)
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DECO TRUSS COMPANY INC., Princeton, FL 33032

ID: oLOA2w_01uhnDEKU8IED91zP95P-X4N1xh5sc7ZXg4HU6HXWkV67NgBsSRxW0VbjduyhMcp

Job Reference (optional)

7.350 s Sep 27 2012 MITek Industries, Inc. Tue Sep 03 11:50:34 2013 Page 1

6-5-11 12-11-5 19-4-8 24-7-8
6-5-11 6-5-11 6-5-3 5-3-0

Scale = 1:41.2

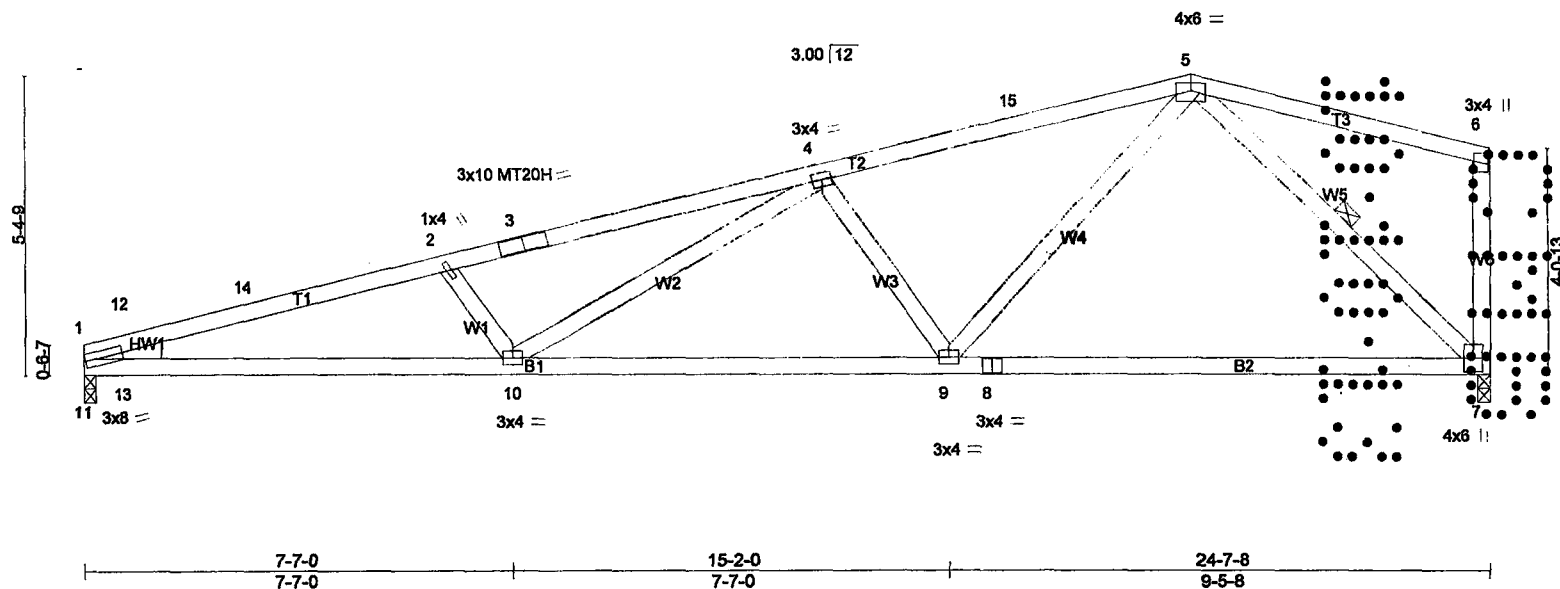


Plate Offsets (X,Y): [5:0-3-0,0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.96	Vert(LL)	0.37	9-10	>802	360	MT20	244/190
TCDL 15.0	Plates Increase 1.33	BC 0.82	Vert(TL)	-0.53	9-10	>557	240	MT20H	187/143
BCCL 0.0	Lumber Increase 1.33	WB 0.63	Horz(TL)	0.10	7	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)							
	Code FRC2010/TPI2007								
								Weight: 119 lb	FT = 0%

LUMBER
TOP CHORD 2x4 SP No.2 *Except*
T1: 2x4 SP No.2D
BOT CHORD 2x4 SP No.2 *Except*
B1: 2x4 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-9-9 oc bracing.
WEBS 1 Row at midpt 5-7

MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=1183/0-2-8 (min. 0-1-13), 7=1163/0-2-8 (min. 0-1-14)
Max Horz 1=325(LC 3)
Max Uplift 1=970(LC 3), 7=1118(LC 3)
Max Grav 1=1553(LC 6), 7=1572(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=862/239, 12-14=4264/2503, 2-14=4199/2516, 2-3=3948/2349, 3-4=3894/2363, 4-15=2416/1523, 5-15=2350/1531, 6-7=275/300
BOT CHORD 11-13=918/1009, 10-13=2655/4159, 9-10=1861/2899, 8-9=884/1263, 7-8=884/1263
WEBS 2-10=622/513, 4-10=611/1095, 4-9=1185/849, 5-9=816/1566, 5-7=1720/1216, 1-11=400/116, 12-13=755/657, 11-12=1232/727, 1-13=551/934

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; TCDL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCpl=0.18; C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 16-4-8, Exterior(2) 16-4-8 to 19-4-8; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) Plates checked for a plus or minus 0 degree rotation about its center.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 7.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (if=lb) 1=970, 7=1118.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

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Job 8008	Truss BG3	Truss Type SPECIAL TRUSS	Qty 1	Ply 1	WADE (JI)
Job Reference (optional)					

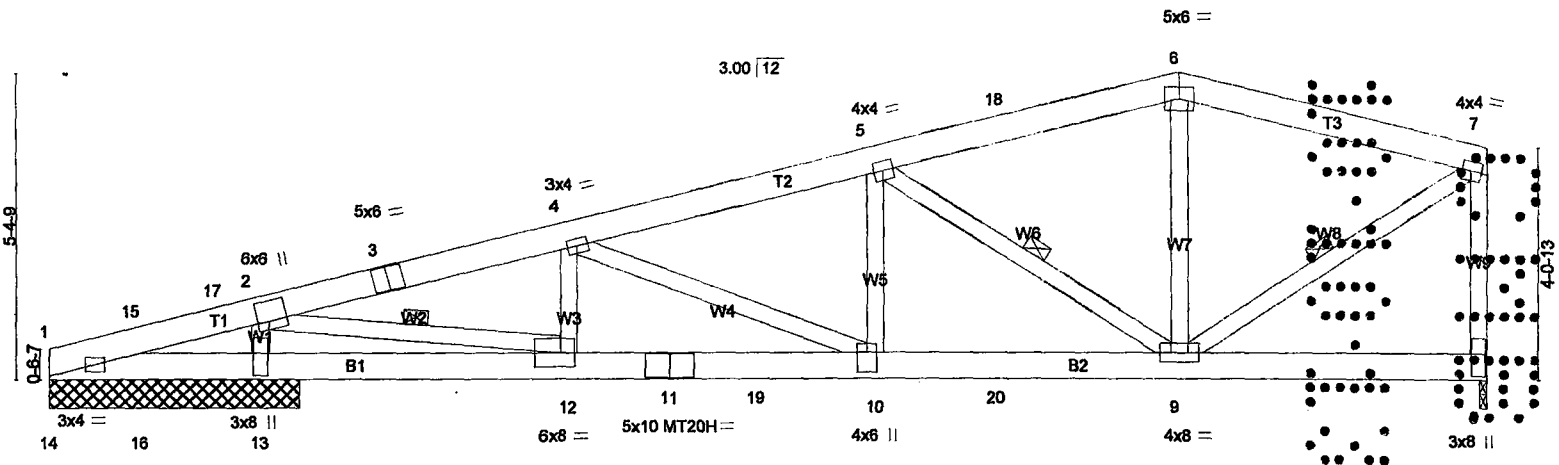
DECO TRUSS COMPANY INC., Princeton, FL 33032

7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Sep 03 11:46:59 2013 Page 1

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3-8-0	8-11-0	14-2-0	19-4-8	24-7-8
3-8-0	5-3-0	5-3-0	5-2-8	5-3-0

Scale = 1:40.3



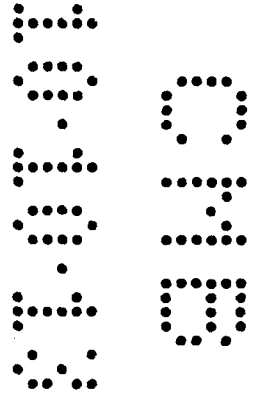
Job	Truss	Truss Type	Qty	Ply	WADE (JI)
8008 *	BG3	SPECIAL TRUSS	1	1	Job Reference (optional)

DECO TRUSS COMPANY INC., Princeton, FL 33032

7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Sep 03 11:46:59 2013 Page 2
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LOAD CASE(S)

- 5) Live Only: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-6=-30, 6-7=-30, 8-14=-20
Concentrated Loads (lb)
Vert: 19=-325 20=-402
- 6) C-C Wind Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-6=-108, 6-7=-108, 8-14=-20
Horz: 1-6=33, 6-7=33
Concentrated Loads (lb)
Vert: 19=640 20=979
- 7) 1st unbalanced Regular: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-6=-75, 6-7=-30, 8-14=-20
Concentrated Loads (lb)
Vert: 19=-639 20=-800
- 8) 2nd unbalanced Regular: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-6=-30, 6-7=-75, 8-14=-20
Concentrated Loads (lb)
Vert: 19=-639 20=-800
- 9) 3rd unbalanced Regular Only: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-6=-90, 6-7=-30, 8-14=-20
Concentrated Loads (lb)
Vert: 19=-743 20=-932
- 10) 4th unbalanced Regular Only: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-6=-30, 6-7=-90, 8-14=-20
Concentrated Loads (lb)
Vert: 19=-743 20=-932



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—————|—————
 19-4-8 24-7-8
 5-1-3 5-3-0

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 30.0	Plates Increase 1.33	TC 0.78	Vert(LL) 0.27 11-13 >908 360	MT20	244/190
TCDL 15.0	Lumber Increase 1.33	BC 0.81	Vert(TL) -0.28 11-13 >870 240	MT20H	187/143
BCLL 0.0	Rep Stress Incr NO	WB 0.84	Horz(TL) 0.03 9 n/a n/a		
BCDL 10.0	Code FRC2010/TP12007	(Matrix-M)		Weight: 173 lb	FT = 0%

Structural wood sheathing directly applied or 3-6-14 oc purlins, except end verticals.
Rigid ceiling directly applied or 3-4-8 oc bracing.
1 Row at midpt 3-13, 6-10, 8-10

MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide.

TOP CHORD max. Compr./max. Ten.: 2-16=1840/765, 3-4=3427/2821, 4-5=3351/2831, 5-6=3739/3789, 6-18=1913/2031, 7-18=1855/2038, 7-8=1907/2028
8-9=1933/2095

BOT CHORD 15-17=573/1322, 14-17=707/1868, 13-14=627/1487, 12-13=2867/3251, 12-19=2867/3251, 11-19=2867/3251, 11-20=3718/3592,
10-20=3718/3592

WEBS 3-14=2361/2683, 3-13=4448/3954, 5-13=587/880, 5-11=936/376, 6-11=1306/1233, 6-10=2232/2250, 7-10=632/540, 8-10=2294/2187

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; TCDF=5.0psf; BCDF=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCp=0.18; C-C Exterior(2) -1-4-8 to 1-6-15, Interior(1) 1-6-15 to 16-4-8, Exterior(2) 16-4-8 to 19-4-8; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are MT20 plates unless otherwise indicated.
- 4) Plates checked for a plus or minus 0 degree rotation about its center.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 14=3073, 8=2016.
- 7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 764 lb down and 902 lb up at 12-1-4, and 970 lb down and 1408 lb up at 16-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE 19)

1) Regular: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-7=-75, 7-8=-75, 9-15=-20
Concentrated Loads (lb)
Vert: 19=-657 20=-832

2) Regular Only: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-7=-90, 7-8=-90, 9-15=-20
Concentrated Loads (lb)
Vert: 19=-764 20=-970

3) C-C Wind: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=189, 2-16=115, 16-18=79, 7-18=115, 7-8=115, 14-15=115, 9-14=-10
Horz: 1-2=-199, 2-16=-125, 16-18=-89, 7-18=-125, 7-8=125
Concentrated Loads (lb)
Vert: 19=-892 20=1398

4) C-C Wind Positive: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-3, 2-7=-74, 7-8=-74, 14-15=-2, 9-14=-20
Horz: 1-2=-27, 2-7=44, 7-8=44
Concentrated Loads (lb)
Vert: 19=-802 20=1408

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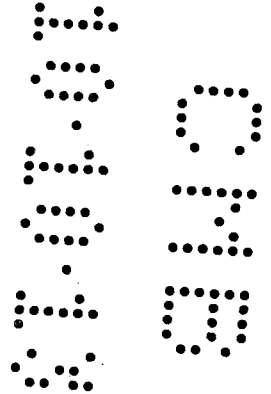
Job	Truss	Truss Type	Qty	Ply	WADE (JI)
8008	BG4	SPECIAL TRUSS	1	1	Job Reference (optional)

DECO TRUSS COMPANY INC., Princeton, FL 33032

7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Sep 03 11:47:25 2013 Page 2
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LOAD CASE(S)

- 5) Live Only: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
 - Uniform Loads (plf)
 - Vert: 1-7=-30, 7-8=-30, 9-15=-20
 - Concentrated Loads (lb)
 - Vert: 19=-334 20=-419
- 6) C-C Wind Positive + Regular: Lumber Increase=1.60, Plate Increase=1.60
 - Uniform Loads (plf)
 - Vert: 1-2=-55, 2-7=-108, 7-8=-108, 14-15=-6, 9-14=-20
 - Horz: 1-2=-20, 2-7=33, 7-8=33
 - Concentrated Loads (lb)
 - Vert: 19=-646 20=1018
- 7) 1st unbalanced Regular: Lumber Increase=1.33, Plate Increase=1.33
 - Uniform Loads (plf)
 - Vert: 1-7=-75, 7-8=-30, 9-15=-20
 - Concentrated Loads (lb)
 - Vert: 19=-657 20=-832
- 8) 2nd unbalanced Regular: Lumber Increase=1.33, Plate Increase=1.33
 - Uniform Loads (plf)
 - Vert: 1-7=-30, 7-8=-75, 9-15=-20
 - Concentrated Loads (lb)
 - Vert: 19=-657 20=-832
- 9) 3rd unbalanced Regular Only: Lumber Increase=1.33, Plate Increase=1.33
 - Uniform Loads (plf)
 - Vert: 1-7=-90, 7-8=-30, 9-15=-20
 - Concentrated Loads (lb)
 - Vert: 19=-764 20=-970
- 10) 4th unbalanced Regular Only: Lumber Increase=1.33, Plate Increase=1.33
 - Uniform Loads (plf)
 - Vert: 1-7=-30, 7-8=-90, 9-15=-20
 - Concentrated Loads (lb)
 - Vert: 19=-764 20=-970



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Florida Professional Engineering License No. 3692
Special Inspector License No. 636

Job 8008	Truss B5	Truss Type Hip Truss	Qty 1	Ply 1	WADE (JI)
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DECO TRUSS COMPANY INC., Princeton, FL 33032

Job Reference (optional)

7.350 s Sep 27 2012 MITek Industries, Inc. Fri Aug 30 11:09:58 2013 Page 1
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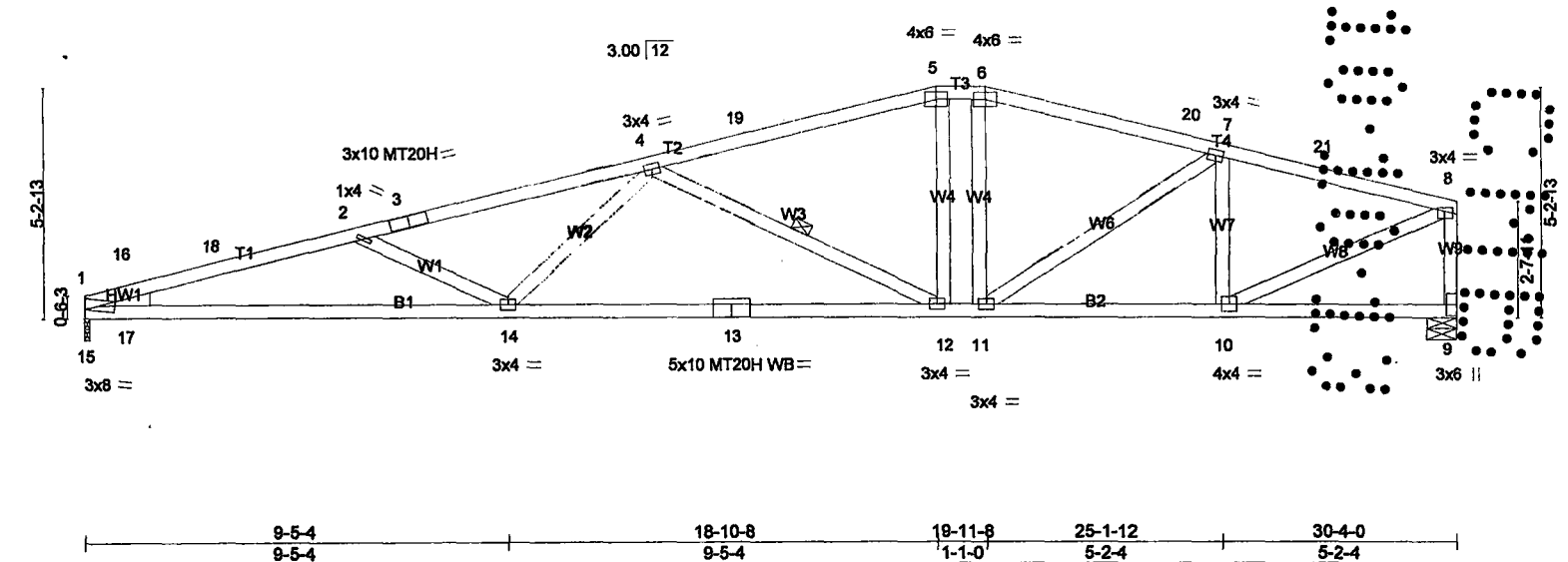


Plate Offsets (X,Y): [8:0-1-12,0-1-0], [9:Edge,0-3-8]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 30.0	Plates Increase	1.33	TC 0.99	Vert(LL)	0.66 12-14	>545	360	MT20	244/190
TCDL 15.0	Lumber Increase	1.33	BC 0.84	Vert(TL)	-1.04 12-14	>347	240	MT20H	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.89	Horz(TL)	0.14 9	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007		(Matrix-M)					Weight: 155 lb	FT = 0%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.1 "Except"	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
	T3,T4: 2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 3-6-3 oc bracing.
BOT CHORD	2x4 SP No.1 "Except"	WEBS	1 Row at midpt 4-12
	B1: 2x4 SP M 31		
WEBS	2x4 SP No.2		
WEDGE			
Left: 2x4 SP No.2			

REACTIONS (lb/size) 1=1434/Mechanical, 9=1434/0-8-0 (min. 0-2-4)
Max Horz 1=192(LC 3)
Max Uplift 1=1264(LC 3), 9=1374(LC 3)
Max Grav 1=1921(LC 6), 9=1925(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=1048/558, 16-18=5658/3621, 2-18=5589/3634, 2-3=4978/3173, 3-4=4628/3185, 4-19=2932/2107, 5-19=2883/2121, 5-6=2813/2140, 6-20=2872/2131, 7-20=2921/2120, 7-21=2345/1710, 8-21=2400/1702, 8-9=1853/1378
BOT CHORD 15-17=1052/1335, 14-17=3600/5460, 13-14=2896/4297, 12-13=2896/4297, 11-12=1846/2729, 10-11=1587/2271
WEBS 2-14=767/620, 4-14=226/707, 4-12=1785/1191, 5-12=177/502, 7-11=308/651, 7-10=1031/841, 8-10=1703/2439, 1-15=703/378, 16-17=848/632, 15-16=1489/941, 1-17=772/1202

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=136mph; TCDL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; End.; GCpl=0.18; C-C Exterior(2) 0-0-0 to 3-0-6, Interior(1) 3-0-6 to 14-7-0, Exterior(2) 14-7-0 to 24-3-0, Interior(1) 24-3-0 to 27-1-14; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Plates checked for a plus or minus 0 degree rotation about its center.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1264 lb uplift at joint 1 and 1374 lb uplift at joint 9.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

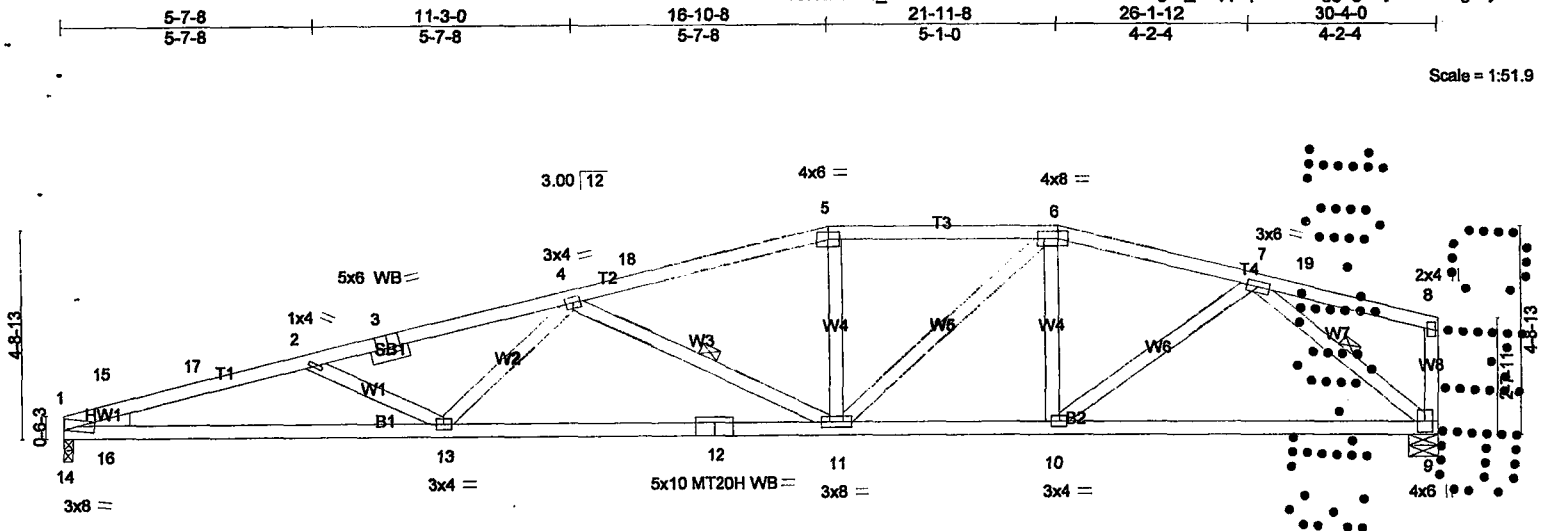
LOAD CASE(S) Standard

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Job 8008.	Truss B6	Truss Type Hip Truss	Qty 1	Ply 1	WADE (JI)
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DECO TRUSS COMPANY INC., Princeton, FL 33032

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Scale = 1:51.9

8-5-4		16-10-8		21-11-8		30-4-0	
8-5-4		8-5-4		5-1-0		8-4-8	
Plate Offsets (X,Y): [3-0-3-0,Edge], [8-0-5-4,0-2-0]							
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d
TCLL 30.0	Plates Increase	1.33	TC 0.98	Vert(LL)	0.58 11-13	>623	360
TCDL 15.0	Lumber Increase	1.33	BC 0.92	Vert(TL)	-0.83 11-13	>435	240
BCLL 0.0	Rep Stress Incr	YES	WB 0.41	Horz(TL)	0.15 9	n/a	n/a
BCDL 10.0	Code FRC2010/TPI2007		(Matrix-M)				

LUMBER
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP No.2D, T1: 2x4 SP No.1
BOT CHORD 2x4 SP No.2D *Except*
B1: 2x4 SP M 31
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-11, 7-9

MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=1434/0-2-8 (min. 0-1-9), 9=1434/0-8-0 (min. 0-1-15)
Max Horz 1=192(LC 3)
Max Uplift 1=1303(LC 3), 9=1446(LC 3)
Max Grav 1=1911(LC 6), 9=1907(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=1062/617, 15-17=5634/3759, 2-17=5588/3770, 2-3=5066/3392, 3-4=5032/3402, 4-18=3409/2533, 5-18=3351/2545, 5-6=3280/2543, 6-7=2776/2132
BOT CHORD 14-16=1058/1317, 13-16=3737/5440, 12-13=3194/4527, 11-12=3194/4527, 10-11=1865/2590, 9-10=1499/1940
WEBS 2-13=622/511, 4-13=132/532, 4-11=1498/1020, 5-11=51/291, 6-11=576/638, 6-10=368/365, 7-10=472/827, 7-9=2488/1958, 1-14=713/419, 15-16=793/854, 14-15=1483/978, 1-16=803/1198

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=175mph (3-second gust) Vasd=138mph; TCDL=5.0psf; BCDL=5.0psf; h=26ft; Cat. II; Exp D; Encl., GCpi=0.18; C-C Exterior(2) 0-0-0 to 3-0-6, Interior(1) 3-0-6 to 12-7-0, Exterior(2) 12-7-0 to 26-3-9, Interior(1) 26-3-9 to 27-1-14; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Plates checked for a plus or minus 0 degree rotation about its center.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1303 lb uplift at joint 1 and 1446 lb uplift at joint 9.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

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