GENERAL NOTES

- 1. ALL DIMENSIONS ARE NOMINAL TO FACE OF STUDS/MASONRY
- 2. ALL VERTICAL DIMENSIONS ARE FROM FINISH FLOOR SLAB. A.F.F. ABBREVIATES "ABOVE FINISH FLOOR:
- 3. THE ARCHITECT AND ENGINEER ACCEPT NO RESPONSIBILITY FOR WORK WHICH IS NOT IN COMPLIANCE WITH THE INTENT AND REQUIREMENTS OF THE DRAWINGS, OR WHICH HAS BEEN PERFORMED BASED UPON THE INTERPRETATION OF INTENT OF THE DRAWINGS BY PARTIES OTHER THAN THE ARCHITECT AND ENGINEER.
- 4. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BIDDING AND STARTING CONSTRUCTION, NOTIFY ARCHITECT OF ANY DISCREPANCIES OR INCONSISTENCIES.
- 5. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE FLORIDA BUILDING CODE 2014, INCLUDING ADOPTED LOCAL AMENDMENTS.
- 6. DIMENSIONS TAKE PRECEDENCE OVER SCALING OF PLANS, SECTIONS, AND DETAILS. DIMENSIONS ARE NOMINAL AND TO FACE OF STUDS/MASONRY UNLESS NOTED OTHERWISE.
- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING AND FITTING OF ALL WORK IN A NEAT AND WORKMANLIKE MANNER. PROTECT ALL ADJACENT SURFACES FROM DAMAGE. PATCH AND REPAIR ALL WORK DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL OR BETTER CONDITION. MATCH ADJACENT FINISHES, MATERIALS, TEXTURES, SHEEN, ETC.
- 8. THE SCOPE OF WORK SHALL NOT HINDER OR INTERFERE WITH EMERGENCY ACCESS TO THE SAID PROPERTY OR THE VICINITY THEREOF (INCLUDING STREETS, ROADS, FIRE LANES).

INDEX OF DRAWINGS

COVER

SURVEY

- 1 SPECIFIC PURPOSE SURVEY COVER SHEET
- 2 SPECIFIC PURPOSE SURVEY

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- LS-1 LIFE SAFETY PLAN

 A-1 FLOOR PLAN AND SCHEDULES
- A-2 REFLECTED CEILING PLAN
 AND INTERIOR ELEVATIONS
 A-3 BUILDING ELEVATIONS
- AND DETAILS

 A-4 ROOF PLAN

 A-5 SECTIONS

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- S-1 FOUNDATION PLAN
- S-2 ROOF PLANS-3 WIND PRESSURES, STRUCTURALNOTES, SCHEDULES
- 5-4 TYP DETAILS AND SECTIONS

MECHANICAL

- M-1 LEGEND, GENERAL NOTES AND
- SCHEDULES 1-2 HVAC FLOOR PLANS
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- P-1 LEGEND AND FIXTURE SCHEDULE P-2 SANITARY PLAN AND RISER
- DIAGRAMS
- P-3 WATER PLAN AND RISER DIAGRAM

ELECTRICAL

- E-1 PARTIAL ELECTRICAL SITE PLAN E-2 LIGHTING, POWER AND SYSTEMS
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<u>CIVIL</u>

- C-I ROADWAY ALTERATION PLAN
- C-2 DETAILS AND NOTES

PALM BEACH COUNTY STATE OF FLORIDA



PBC R.G. KREUSLER PARK RESTROOM BUILDING AND ENTRY DRIVE MODIFICATIONS

COUNTY PROJECT NO. 14204
BID DOCUMENTS

DATE: JULY 22, 2016

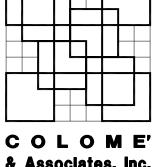
BOARD OF COUNTY COMMISSIONERS

DISTRICT (
DISTRICT 1
DISTRICT 2
DISTRICT (
DISTRICT 4
DISTRICT (
DISTRICT

FACILITIES DEVELOPMENT & OPERATIONS

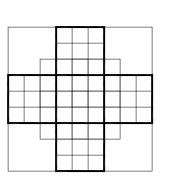
CAPITAL IMPROVEMENTS DIVISION

WEST PALM BEACH, FLORIDA



COLOME'
& Associates, Inc.
AA 0003439
530 24TH STREET
WEST PALM BEACH
FLORIDA 33407
(561) 833-9147
ARCHITECT: ELIZABETH A G. COLOME

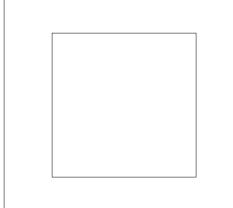
REG. NUMBER: AR OO14839

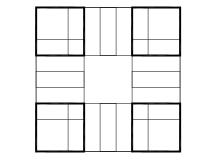


R.G. KREUSLER PARK
RESTROOM BUILDING
AND ENTRY DRIVE
MODIFICATIONS
PBC NO 14204
2695 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

PROJECT NO. 201402





SHEET TITLE

N.T.S.

LOCATION MAP

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REVISIONS

DATE

11/20/15

DRAWN BY:

DM

CHECKED BY

SHEET NUMBER:

COVER

COUNTY OF PALM BEACH STATE OF FLORIDA

BOARD OF COUNTY COMMISSIONERS PROJECT NO. 2014009-07

R. G. KREUSLER PARK SPECIFIC PURPOSE SURVEY

HAL R. VALECHE DISTRICT 1

PAULETTE BURDICK DISTRICT 2

STEVEN L. ABRAMS DISTRICT 4

JESS R. SANTAMARIA DISTRICT 6



SHELLEY VANA DISTRICT 3

MARY LOU BERGER DISTRICT 5

PRISCILLA A. TAYLOR DISTRICT 7

LEGEND

CONC. = CONCRETE FF EL. = FINISHED FLOOR ELEVATION

W.M. = WATER MAIN

O = WOOD POWER POLE

₹\$ = CABBAGE PALM

) = MISCELLANEOUS TREE

+ HB = HOSE BIB

 \Box _{E.B.} = ELECTRIC BOX

I.R. = IRON ROD

R/W = RIGHT-OF-WAY

Cap = Centerline

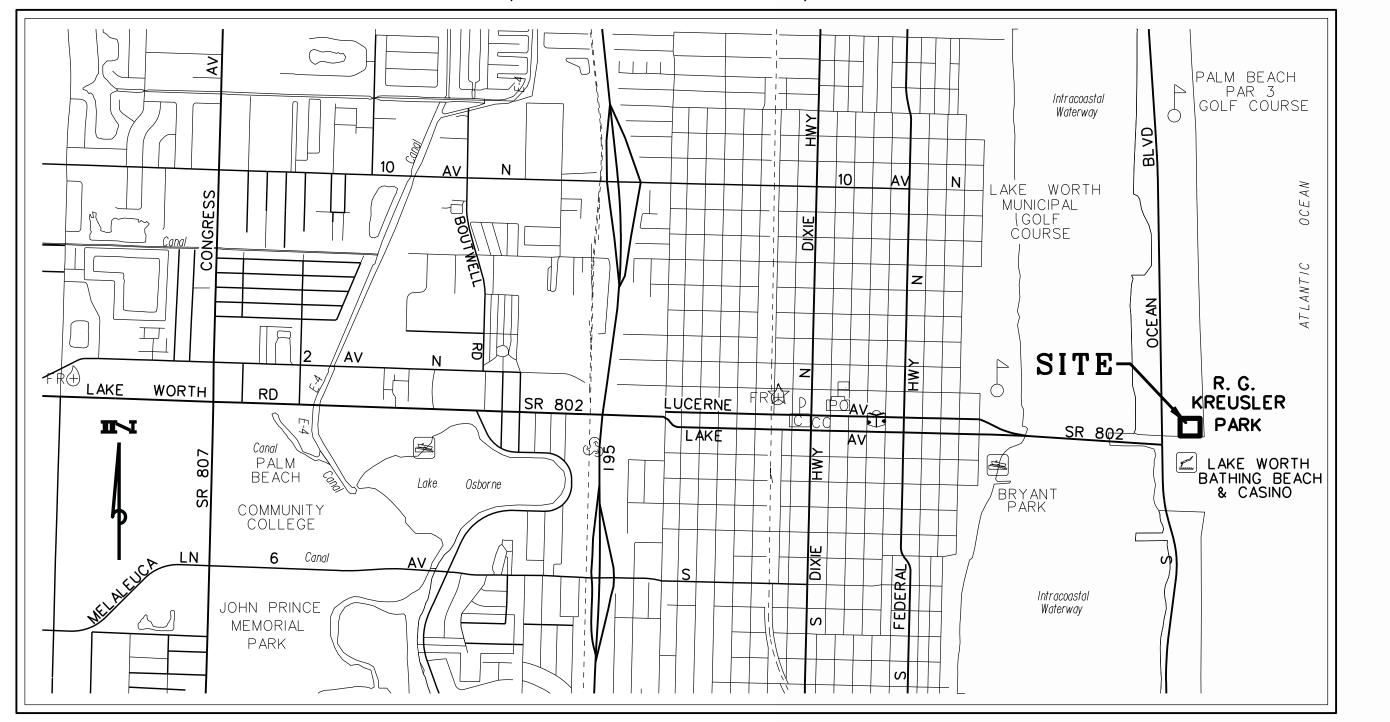
ORB = OFFICIAL RECORD BOOK

RPB = ROAD PLAT BOOK

PG = PAGE

PNC = PROJECT NETWORK CONTROL

SECTION 23, TOWNSHIP 44 SOUTH, RANGE 43 EAST



LOCATION MAP

THIS INSTRUMENT PREPARED BY RICHARD W. BUSSELL, P.L.S. IN THE OFFICE OF THE COUNTY ENGINEER LOCATED AT VISTA CENTER 2300 NORTH JOG ROAD, WEST PALM BEACH, FLORIDA 33411-2745.

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

I HEREBY CERTIFY THAT THE SPECIFIC PURPOSE SURVEY SHOWN HEREON WAS MADE UNDER MY RESPONSIBLE DIRECTION AND SUPERVISION AND THAT SAID SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17.050-.052, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

RICHARD W. BUSSELL PROFESSIONAL LAND SURVEYOR FLORIDA CERTIFICATE NO. 3858 DATE

SHEET:

SCALE: 1"= 20'

DRAWN: E.A.O.

CHECKED: G.W.M.

DATE: **03/12/14**

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~

PROVED: R.W.B.

TION

2014009-07

PROPERTY DESCRIPTION (ORB 2271, PG 1377)

BEING A PORTION OF THE FOLLOWING DESCRIBED TRACT OF LAND: THAT PARCEL OF LAND BOUNDED ON THE SOUTH BY THE NORTH RIGHT-OF-WAY LINE OF LAKE AVENUE (STATE ROAD 802) AND THE EASTERLY EXTENSION OF SAID NORTH RIGHT-OF-WAY LINE; BOUNDED ON THE WEST BY A LINE 200 TO THE EAST OF AND PARALLEL WITH THE EAST RIGHT-OF-WAY LINE OF STATE ROAD A-1-A, AS SHOWN IN ROAD PLAT BOOK 1, PAGE 156, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA; BOUNDED ON THE NORTH BY THE NORTH LINE OF THE SOUTH 430 FEET OF GOVERNMENT LOT 2, SECTION 23, TOWNSHIP 44 SOUTH, RANGE 43 EAST; BOUNDED ON THE EAST BY THE WATERS OF THE ATLANTIC OCEAN; TOGETHER WITH ALL LITTORAL AND RIPARIAN RIGHTS PERTAINING THERETO, LESS ANY EXISTING RIGHT-OF-WAY OF OLD OCEAN BOULEVARD.

SURVEYOR'S REPORT

BOULEVARD.

THE SURVEY SHOWN HEREON WAS MADE FOR THE SPECIFIC PURPOSE OF PROVIDING AS BUILT AND TOPOGRAPHIC INFORMATION FOR THAT PORTION OF THE PROPERTY SURROUNDING THE "BATH HOUSE", TO BE UTILIZED IN THE PLANNING, DESIGN AND FUTURE CONSTRUCTION/RECONSTRUCTION OF FACILITIES WITHIN THE AREA DELINEATED.

THE OVERALL PARK PROPERTY CONTAINS 3.5 ACRES MORE OR LESS (TOTAL - BASED ON PALM BEACH COUNTY PROPERTY APPRAISER DATA).

THIS IS NOT A "GEODETIC CONTROL SURVEY" AS DEFINED BY FLORIDA ADMINISTRATIVE CODE 5J-17.052(4)(A).

BEARINGS ARE BASED ON A GRID (NAD 83, 1990) BEARING OF NORTH 01°46'10" WEST RELATIVE TO THE LINE BETWEEN PALM BEACH COUNTY
MONUMENT "A1A LAKE" AND FLORIDA DEPARTMENT OF TRANSPORTATION PNC
MONUMENT "G030A1" AS SHOWN ON THIS SURVEY AND ALL OTHER BEARINGS
ARE RELATIVE THERETO.

ELEVATIONS SHOWN HEREON ARE IN FEET AS REFERENCED TO N.A.V.D. '88 AND BASED ON PALM BEACH COUNTY BENCH MARK "A-1-A 7" HAVING AN ELEVATION OF 15.384, BEING AN X-CUT IN CONCRETE BULKHEAD WALL ± 7600 FEET SOUTH OF PHIPPS PARK, ABOUT 325 FEET NORTH OF THE NORTH END OF LAKE WORTH CASINO BUILDING ON THE LAKE WORTH BEACH

NO SEARCH OF THE PUBLIC RECORDS HAS BEEN MADE BY THE SIGNING SURVEYOR.

IT IS POSSIBLE THAT THERE ARE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, OR OTHER INSTRUMENTS WHICH COULD AFFECT THE SUBJECT PROPERTY, WHICH ARE UNKNOWN TO THE SIGNING SURVEYOR.

NO WETLAND DETERMINATIONS OR DELINEATIONS WERE CONDUCTED BY THIS

THE INTENDED PLOT SCALE FOR THIS DRAWING 1"= 20'.

FIELD WORK FOR THIS PROJECT IS LOCATED IN FIELD BOOK 817 A, PAGES 35 THRU 41 - AND WAS COMPLETED 02/26/2014. INSTRUMENTS USED WERE THE TOPCON GTS-4 TOTAL STATION & DATA COLLECTOR.

THE BOUNDARY LINES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT BASED ON ANY FIELD SURVEY OR VERIFICATION. THIS IS NOT A BOUNDARY SURVEY AND SHOULD NOT BE USED TO DETERMINE BOUNDARY LINES.

THE FIELD TRAVERSE WAS BALANCED USING STAR NET PRO VERSION 6.0.36. A FIELD TRAVERSE WAS RUN IN ORDER TO ESTABLISH STATE PLANE COORDINATES ON THE ENTIRE SITE, EXISTING STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION GEODETIC CONTROL POINTS "BLC19", "GO30", "GO30A1"; AND PALM BEACH COUNTY STATE PLANE CONTROL POINT "A1A LAKE", WERE RECOVERED AND HELD FIXED IN THE TRAVERSE ADJUSTMENT.

COORDINATES SHOWN ARE GRID

DATUM = NAD 83, 1990 ADJUSTMENT

ZONE = FLORIDA EAST

LINEAR UNITS = US SURVEY FOOT

COORDINATE SYSTEM 1983 STATE PLANE TRANSVERSE MERCATOR PROJECTION

ALL DISTANCES ARE GROUND.

PROJECT SCALE FACTOR = 1.00005439.

GROUND DISTANCE X SCALE FACTOR = GRID DISTANCE

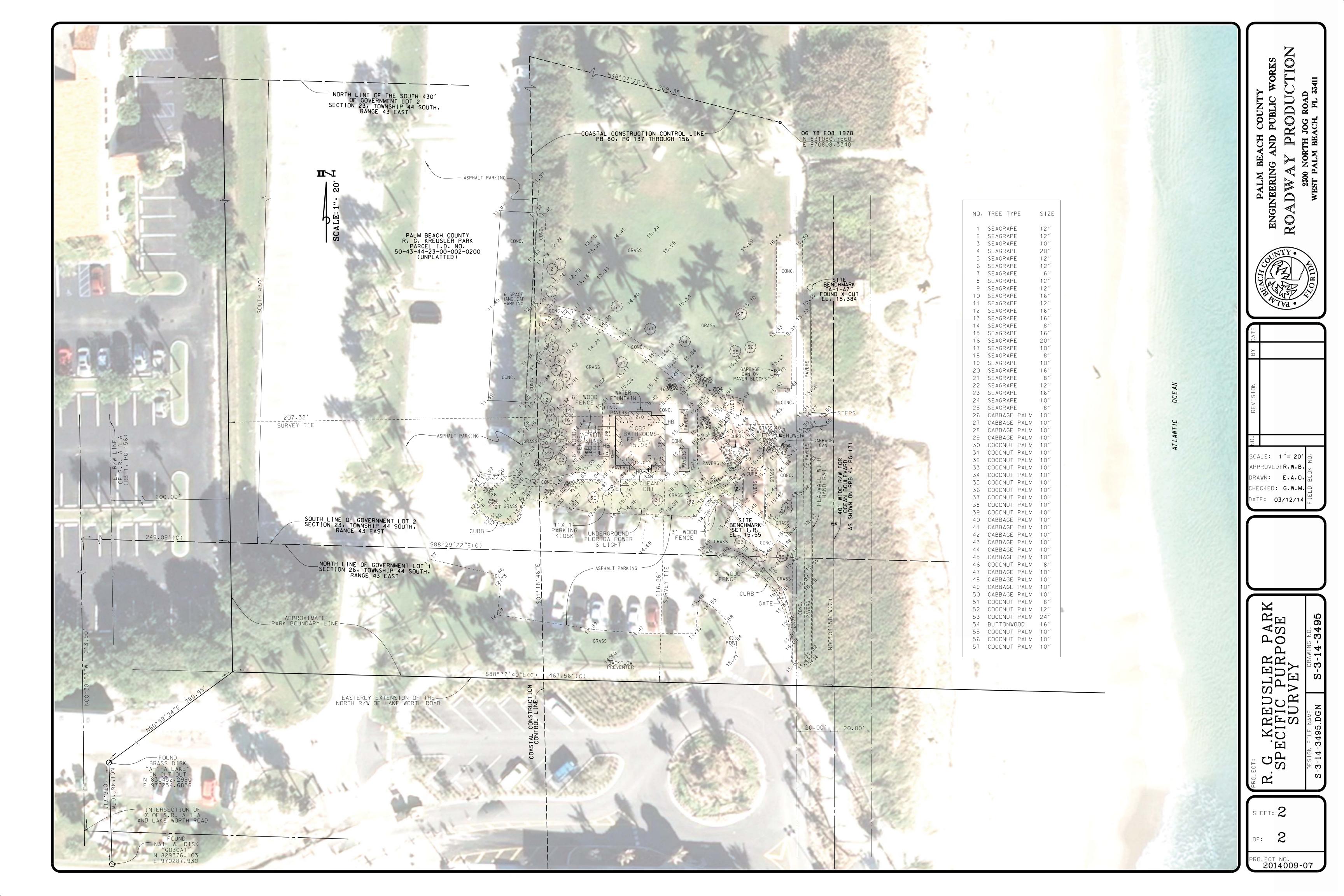
THE FILE NAMES UNDER PROJECT NO. 2014009-07 ARE FIELD TRAVERSE: 2014009-07 (KREUSLER PARK - SPECIFIC PURPOSE SURVEY).PRJ, AND 2014009-07 SURVEY NOTES.DOC.

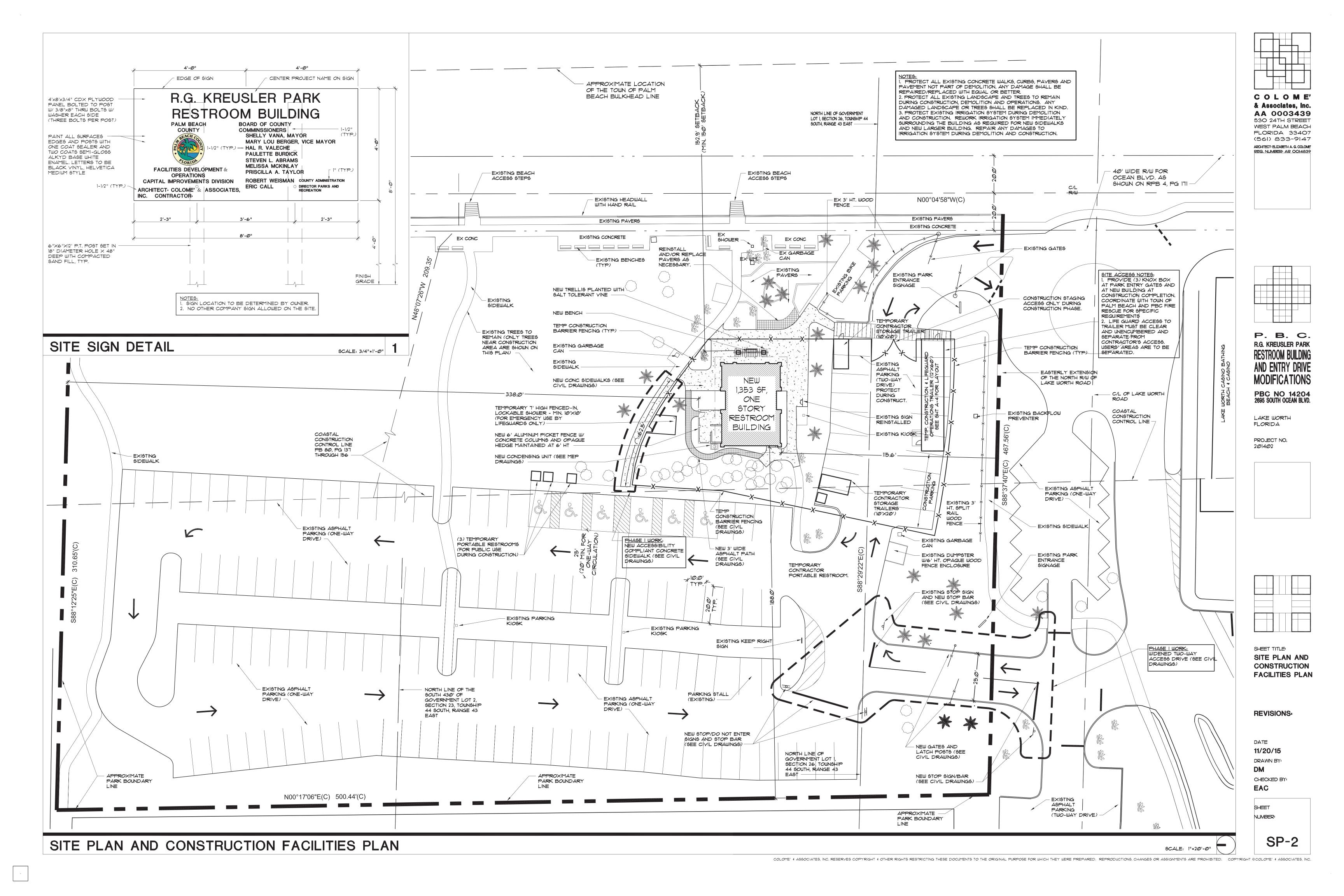
UNDERGROUND FOUNDATIONS WERE NOT LOCATED AS A PART OF THIS SURVEY. UNDERGROUND UTILITIES AS SHOWN HEREON WERE LOCATED BASED ON FIELD MARKINGS BY OTHERS.

ALL ESTABLISHED CONTROL BASED ON THE MEASUREMENTS SHOWN, MEET OR EXCEED THE RELATIVE DISTANCE ACCURACY REQUIREMENT OF 1:10,000 (COMMERCIAL/HIGH RISK) REQUIRED BY THIS SURVEY.

DATE OF AERIAL PHOTO BY OTHERS 12/22/2012 - 01/24/2013. THIS IS AN ORTHO-IMAGE OR ORTHO-PHOTO. THE PHOTO WAS NOT CONTROLLED, TARGETED OR FIELD VERIFIED BY THE SIGNING SURVEYOR AND IS FOR INFORMATIONAL PURPOSES ONLY.

FEATURE SYMBOLS SHOWN ARE NOT TO SCALE.





Design Standards:

Allowable Building Areas

Number of Stories / Height

First Floor

Proposed

New Work shall conform to all applicable Codes,

Standards and requirements of Authorities having Locker Room: Jurisdiction, including but not limited to the following: 442 GSF / 50 GSF per person = 9 People Applicable editions of the following, including Maximum Travel Distance State and local Amendments: = 200'-0" Allowed: 5th Edition (2014) Florida Building Code / Building Proposed: = 41'-1" 5th Edition (2014) Florida Building Code / Existing Building 5th Edition (2014) Florida Building Code / Plumbing Maximum Common Path of Travel 5th Edition (2014) Florida Building Code / Mechanical Allowed: = 100'-0" NFPA 70, National Electric Code, 2011 Edition Proposed: = 41'-1" 5th Edition (2014) Florida Fire Prevention Code 5th Edition (2014) Florida Accessibility Code for Building Construction Maximum Dead End Corridor Building is not Sprinklered = 20'-0" = 17'-4" Proposed: Project Description New entry drive and restroom building at the existing R.G. • Building Elements Fire Ratings Kreusler Park, the building is one(1) story, 1,353 total No Fire Resistant ratings required per Table 601 square feet, including restrooms and covered areas. The for Type V B construction. park consists primarily of parking and boat ramps with the No Fire Resistant ratings for exterior wall required per only other on-site structure being removed. Table 602 for 30' fire separation. Construction Type per 2014 Codes • Percentage of Unprotected Openings FBC / B: Type V-B No limit in area of exterior wall openings per Table 705.8 for 30' fire separation. Occupancy Classifications Plumbing Fixtures Group U: Locker room, public restrooms and lifeguard Fixtures Count Required - N/A no occupancy classification equipment storage Fixtures Proposed As per FBC/B, Chapter 10 definitions, the Net Floor Area is Water Closets - Female: the actual occupied area not including unoccupied Water Closets - Male: accessory areas such as corridors, stairways, toilet rooms, Urinals - Male: Lavatories - Female: mechanical rooms and closets. Lavatories - Male: Therefor the definition of Net Floor Area defines toilet rooms as an unoccupied accessory area. Fixtures Count Required - Locker Room Per FBC/P 403.2 exception 2, separate facilities shall not Building Area be required in structures or tenant spaces with a total

1,356 SF

5,500 SF

One (1) Story / 40'

One (1) Story / 16'-9"

Occupant Loads

occupant load, including both employees and customers,

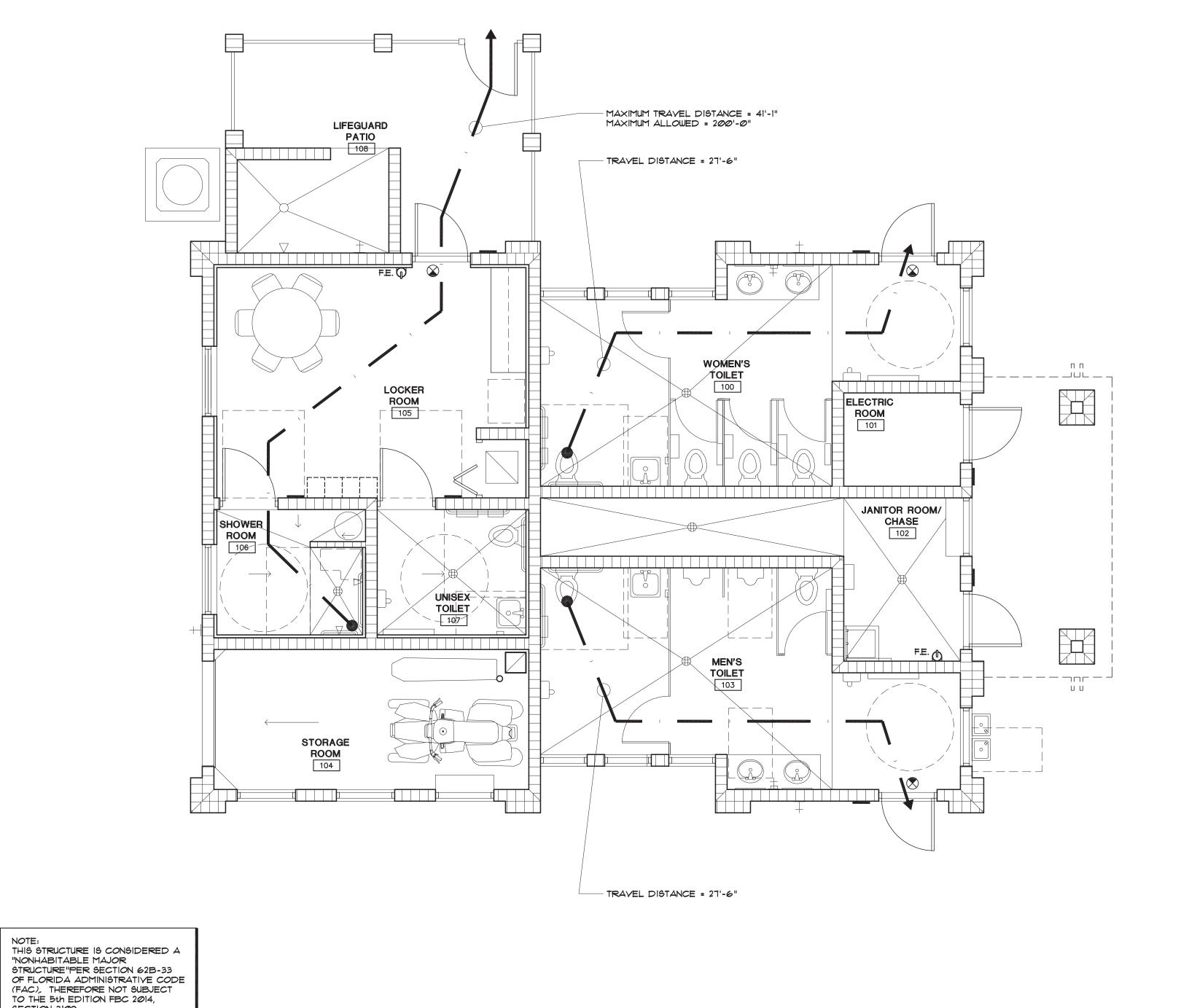
Water Closets - Unisex for Life Guards: Lavatories - Unisex for Life Guards:

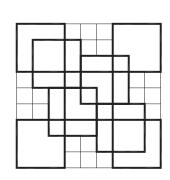
Rinsing Shower (exterior) - Life Guards:

Shower - Unisex for Life Guards:

of 15 or fewer.

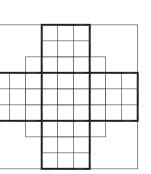
Fixtures Proposed





COLOME'
& Associates, inc.
AA 0003439
530 24TH STREET
WEST PALM BEACH
FLORIDA 33407
(561) 833-9147
ARCHITECT BLIZABETH A & COLOME

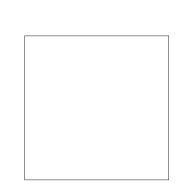
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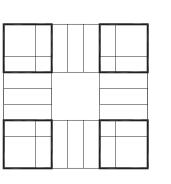


R.G. KREUSLER PARK
RESTROOM BUILDING
AND ENTRY DRIVE
MODIFICATIONS
PBC NO 14204
2695 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

PROJECT NO. 2*0*14*0*2





SHEET TITLE:
LIFE SAFETY
PLAN

REVISIONS:

DATE
11/20/15
DRAWN BY:
DM
CHECKED BY:
EAC

SHEET NUMBER:

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

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LS-1

LIFE SAFETY PLAN

SECTION 3109

ROOM FINISH SCHEDULE

				NORTH			EAST			SOUTH			WEST				
RM	RM	FL	WALL	WALL	BASE	WALL	WALL	BASE	WALL	WALL	BASE	WALL	FIN	BASE	CLG	CLG	REMARKS
NO	NAME	MTL	MTL	FIN	MTL	MTL	FIN	MTL	MTL	FIN	MTL	MTL	FIN	MTL	MTL	HT	
100	WOMEN	EPOXY	PL/CMU	PNT I	EPOXY	PL/CMU	PNT I	EPOXY	PL/CMU	PNT I	EPOXY	PL/CMU	PNT I	EPOXY	CP	10'-5"	
101	ELECTRICAL	CONC.	PL/CMU	PNT I	-	PL/CMU	PNT I	-	PL/CMU	PNT I	-	PL/CMU	PNT I	-	CP	10'-5"	
102	JANITOR ROOM/CHASE	CONC.	PL/CMU	PNT I	-	PL/CMU	PNT I	-	-	-	-	PL/CMU	PNT I	-	CP	10'-5"	
103	MEN	EPOXY	PL/CMU	PNT I	EPOXY	PL/CMU	PNT I	EPOXY	PL/CMU	PNT I	EPOXY	PL/CMU	PNT I	EPOXY	CP	10'-5"	
104	STORAGE ROOM	CONC.	PL/CMU	PNT I	-	PL/CMU	PNT I	-	PL/CMU	PNT I	-	PL/CMU	PNT I	-	CP	10'-5"	
105	BREAK ROOM	EPOXY	MR GYP	PNT I	EPOXY	MR GYP	PNT I	EPOXY	PL/CMU	PNT I	EPOXY	MR GYP	PNT I	EPOXY	CP	10'-5"	
106	SHOWER ROOM	EPOXY	PL/CMU	PNT I	EPOXY	PL/CMU	PNT I	EPOXY	MR GYP	PNT I	EPOXY	MR GYP	PNT I	EPOXY	CP	10'-5"	EPOXY FLOOR FINISH AT SHOWER
107	UNISEX TOILET	EPOXY	PL/CMU	PNT I	EPOXY	MR GYP	PNT I	EPOXY	MR GYP	PNT I	EPOXY	PL/CMU	PNT I	EPOXY	CP	10'-5"	

DOOR SCHEDULE

HDWR GROUP	DOOR NO.	DOOR SIZE	DR	FR	1	1	DOOR FINISH		FRAME FINISH	REMARKS
ØI	100	3'X7'	1	Α	1 3/4"	FRP	FRP	FRP	FRP	CLOSER
Ø 2	101	3'X7'	1	Α	1 3/4"	FRP	FRP	FRP	FRP	HOLD OPEN
Ø 2	102	3'X7'	1	Α	1 3/4"	FRP	FRP	FRP	FRP	HOLD OPEN
Ø1	103	3'X7'	1	Α	1 3/4"	FRP	FRP	FRP	FRP	CLOSER
Ø3	104	SS	3	-	1 3/4"	SS	SS	-	-	STAINLESS STEEL ROLL UP DOOR
Ø4	105	3'X7'	1	Α	1 3/4"	FRP	FRP	FRP	FRP	CLOSER
Ø5	106	3'X7'	1	Α	1 3/4"	MTL	PNT	MTL	PNT	UNDERCUT DOOR
06	107	3'X7'	1	Α	1 3/4"	MTL	PNT	MTL	PNT	UNDERCUT DOOR
ØT	108	3'X7'	2	Α	1 3/4"	MTL	PNT	MTL	PNT	BI-FOLD

SS = STAINLESS STEEL

PNT = PAINT

FINISH I FGFND .

1 1141011	LLULIAD .
FLOORS:	
EPOXY	EPOXY DURA QUARTZ - COLOR TO BE SELECTED BY ARCHITECT
CONC.	SEALED CONCRETE SLAB
WALLS:	
PNT 1	EPOXY SEMI-GLOSS PAINT - COLOR TO BE SELECTED BY OWNER
PL/CMU	CONCRETE MASONRY UNIT W/ 1/4" SKIMCOA
MR GYP	5/8" MOISTURE RESISTANT GYP BD ON FURRING ON CMU
5 4 6 5	

REQUIREMENTS OF 5th EDITION FBC 2014, ITID INCLUDING AIR INFILTRATION, WATER INFILTRATION, AND PRESSURE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TESTING RESULTS THAT COMPLY WITH THESE CODE REQUIREMENTS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

HARDWARE GROUP NO. 01

POLYMER

FRP = FIBERGLASS REINFORCED

(SEE SPECIFICATIONS)

DOOR LEGEND

MTL = METAL

PROVIDE EACH SGL DOOR(S)	WITH THE FOLLOWING:		
QTY DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA HW HINGE	5BB1HW 4.5 $ imes$ 4.5 NRP SEC	630	I√E
IEA CLASSROOM	8T3TS SH	626	BES
IEA CLASSROOM	9K37R 15D LM SH WS	626	BES
I EA SURFACE CLOSER	4040XP SCUSH SRI TBWMS	689	LCN
I EA KICK PLATE	8400 10" × 2" LDW	630	I√E
IEA THRESHOLD	2 <i>00</i> 5AV	AL	PEM
	ALIMANG FORE ECONGS FOOM IN	IGIDE	

LOCKED FROM OUTSIDE ONLY. ALWAYS FREE EGRESS FROM INSIDE OPERATIONAL DESCRIPTION:

SELF-CLOSING. TEMPLATING ALLOWS SPRING CUSH ARM TO STOP THE DOOR'S SWING BETWEEN 85 AND 110 DEGREES.

HARDWARE GROUP NO. 02

PROVIDE EACH SGL DOOR(S)	WITH THE FOLLOWING:		
QTY DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA HW HINGE	5BB1HW 4.5 $ imes$ 4.5 NRP SEC	630	I√E
1 EA CLASSROOM	8T3T6 SH	626	BES
1 EA STOREROOM	9K37D 15D LM W6	626	BES
1 EA OH STOP & HOLDER	90H SOC	630	GLY
1 EA THRESHOLD	2 00 5AV	AL	PEM
LOCKED FROM OUTSIDE ONLY	. ALWAYS FREE EGRESS FROM I	NSIDE	

HARDWARE GROUP NO. 03

PROVIDE EACH SGL DOOR(S) U	UITH THE FOLLOWING:		
QTY DESCRIPTION	CATALOG NUMBER	FINISH	MFR
HARDWARE BY COILING DOOR	MANUFACTURER		

HARDWARE GROUP NO. 04

l				
	PROVIDE EACH SGL DOOR(S) WI	TH THE FOLLOWING:		
	QTY DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	3 EA HW HINGE	5BB1HW 4.5 $ imes$ 4.5 NRP SEC	630	I√E
	1 EA CLASSROOM	ST37S SH	626	BES
	1 EA DORMITORY	9K37T 15D LM WS	626	BES
	1 EA SURFACE CLOSER	4040XP SCUSH SRI TBWMS	689	LCN
	1 EA KICK PLATE	8400 10" × 2" LDW	630	I√E
	1 EA THRESHOLD	2 <i>00</i> 5AV	AL	PEM

LOCKED FROM OUTSIDE ONLY. ALWAYS FREE EGRESS FROM INSIDE

OPERATIONAL DESCRIPTION: SELF-CLOSING. TEMPLATING ALLOWS SPRING CUSH ARM TO STOP THE DOOR'S SWING BETWEEN 85 AND 110 DEGREES.

<u> </u>	
FLOORS:	
EPOXY	EPOXY DURA QUARTZ - COLOR TO BE SELECTED BY ARCHITECT
CONC.	SEALED CONCRETE SLAB
WALLS:	
P NT I	EPOXY SEMI-GLOSS PAINT - COLOR TO BE SELECTED BY OWNER
PL/CMU	CONCRETE MASONRY UNIT W/ 1/4" SKIMCOAT
MR GYP	5/8" MOISTURE RESISTANT GYP BD ON FURRING ON CMU
BASE:	

CEMENT PLASTER

4" EPOXY DURA QUARTZ, CONTINUE FLOORING

COLOR TO BE SELECTED BY ARCHITECT

AT MINIMUM ALL EXTERIOR DOORS AND WINDOWS ARE TO MEET THE APPLICABLE

CEILING:

CP

HARDWARE GROUP NO. 05

QTY DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA HINGE	5BBI 4.5 × 4.5	630	I√E
IEA PRIVACY	9K3L 15D	626	BES
I EA FLOOR STOP	F6439	630	I√E

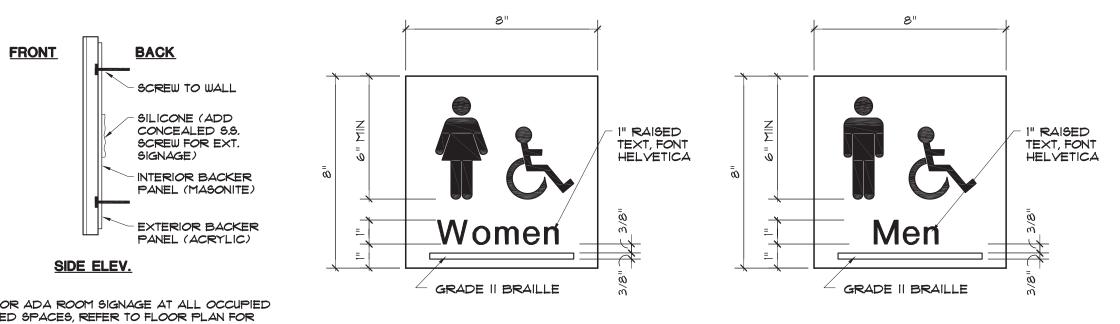
HARDWARE GROUP NO. 06

PROVIDE EACH SGL DOOR(S)	WITH THE FOLLOWING:		
QTY DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA HW HINGE	5BBI 4.5 × 4.5	630	I√E
IEA PRIVACY	9K3L 15D	626	BES
1 EA SURFACE CLOSER	1461 TBWMS	689	LCN
I EA KICK PLATE	8400 10" × 2" LDW	630	I√E
1 EA WALL STOP	WS406/407CCV	630	PEM
OPERATIONAL DESCRIPTION:			

SELF CLOSING.

HARDWARE GROUP NO. ØT			
PROVIDE EACH BF DOOR(S) WITH	H THE FOLLOWING:		
QTY DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1 EA BIFOLD TRACK	BF125N-00-36		STA
I EA BIFOLD KNOB	AS SELECTED	626	STA

DOOR SCHEDULE AND FINISH SCHEDULE SCALE: N.T.S.



GENERAL NOTE:

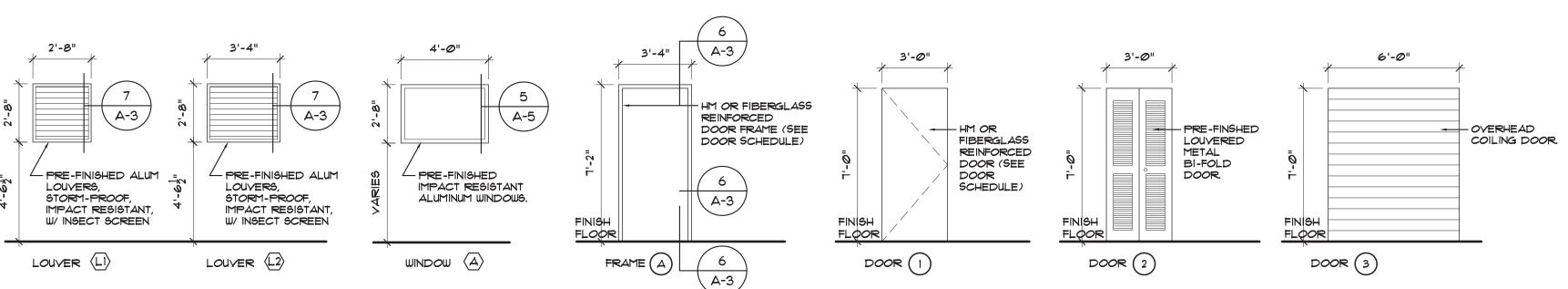
1. PROVIDE INTERIOR ADA ROOM SIGNAGE AT ALL OCCUPIED
AND NON-OCCUPIED SPACES, REFER TO FLOOR PLAN FOR LOCATIONS. ALL SIGNAGE MUST COMPLY WITH PALM BEACH COUNTY SIGN REQUIREMENTS AND ADA HEIGHT REQUIREMENTS.

2. SUBMIT SHOP DRAWINGS FOR ARCHITECT'S AND OWNERS REVIEW BEFORE COMMENCEMENT OF ALL SIGNS. VERIFY ALL ROOM NAMES & ROOM NUMBERS WITH PBC PARKS & RECREATION DEPARTMENT.

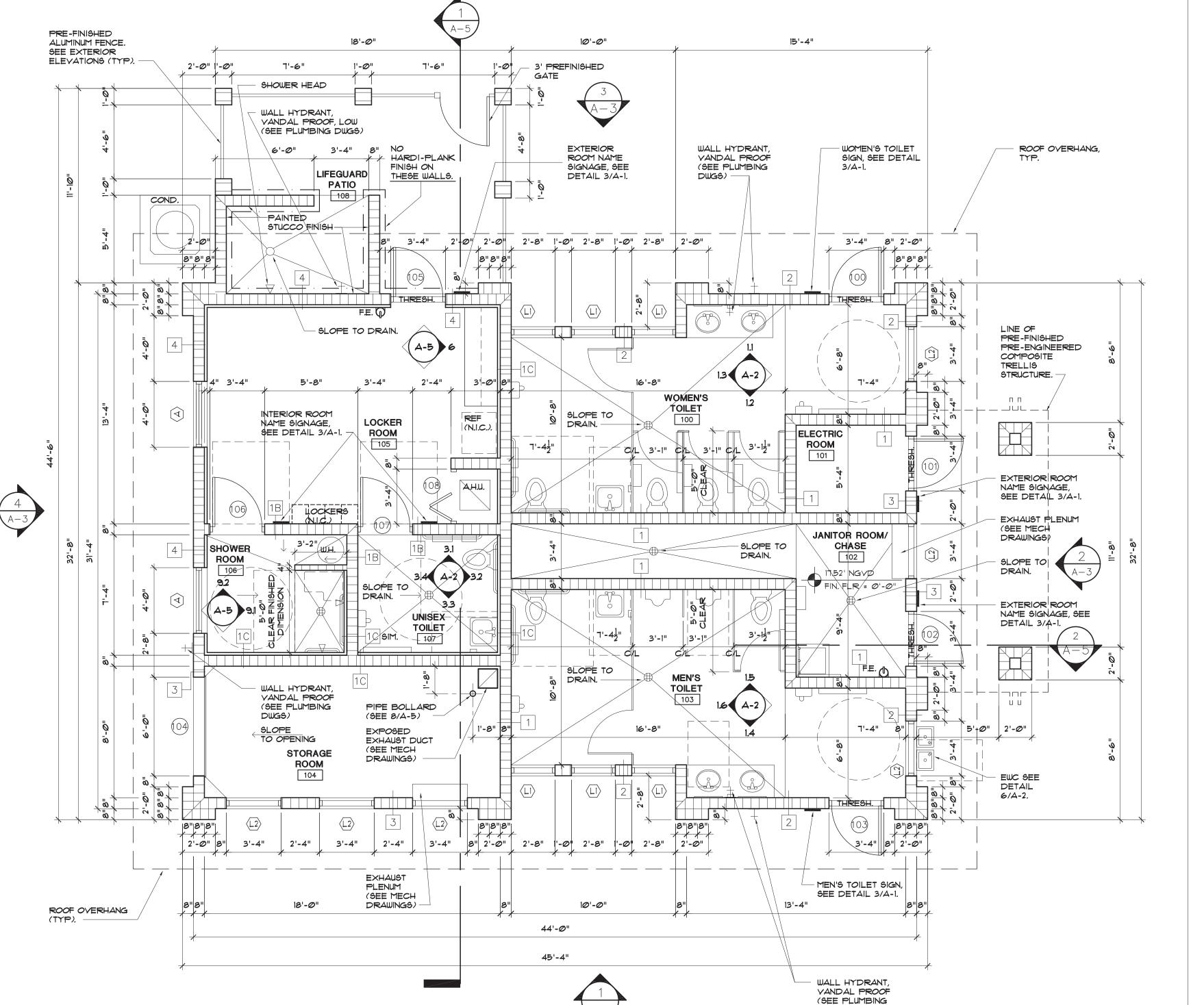
3. SUBMIT ONE ACTUAL SIZE SAMPLE OF EACH SIGN FOR

LOCATE SIGN TO LATCH SIDE OF DOOR PROVIDE SIGNAGE, SIMILAR TO ABOVE FOR: - JANITOR ROOM/CHASE - ELECTRICAL ROOM - BREAK ROOM

CENTERLINE OF SIGN TO BE 60 INCH A.F.F.

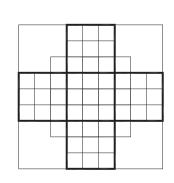


WINDOW FRAME DOOR TYPES TYPES TYPE SCALE 1/4"=1'-0"



DWGS)

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COLOME

& Associates, Inc.

AA 0003439

530 24TH STREET

WEST PALM BEACH

FLORIDA 33407

(561) 833-9147

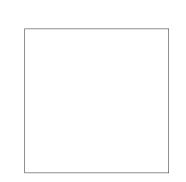
ARCHITECT: ELIZABETH A. G. COLOME

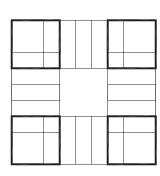
REG. NUMBER: AR OOI4839

P. B. C. R.G. KREUSLER PARK RESTROOM BUILDING **MODIFICATIONS PBC NO 14204** 2695 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

PROJECT NO. 201402





SHEET TITLE: FLOOR PLAN AND SCHEDULES

REVISIONS

DATE 11/20/15 DRAWN BY: DM CHECKED BY: **EAC**

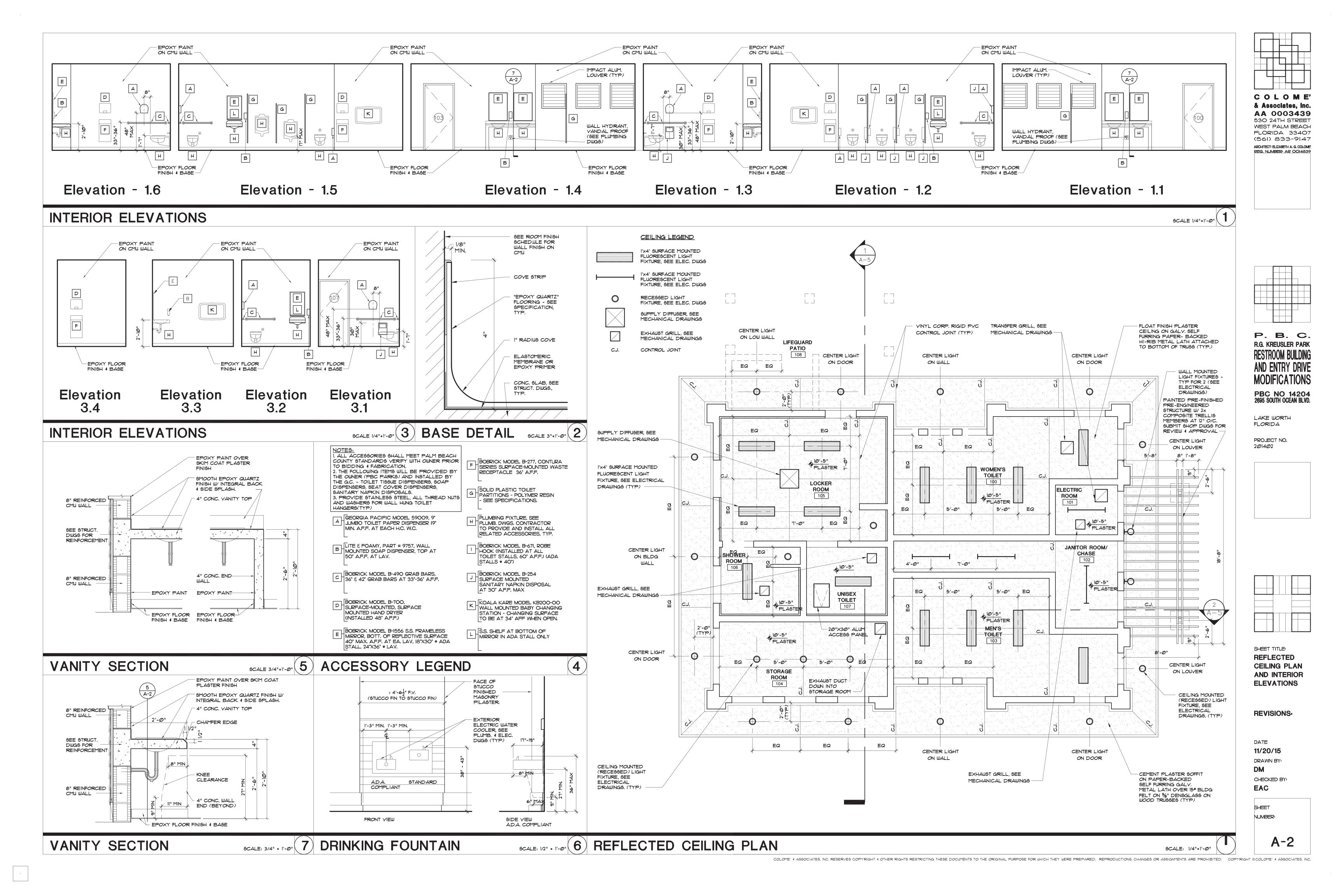
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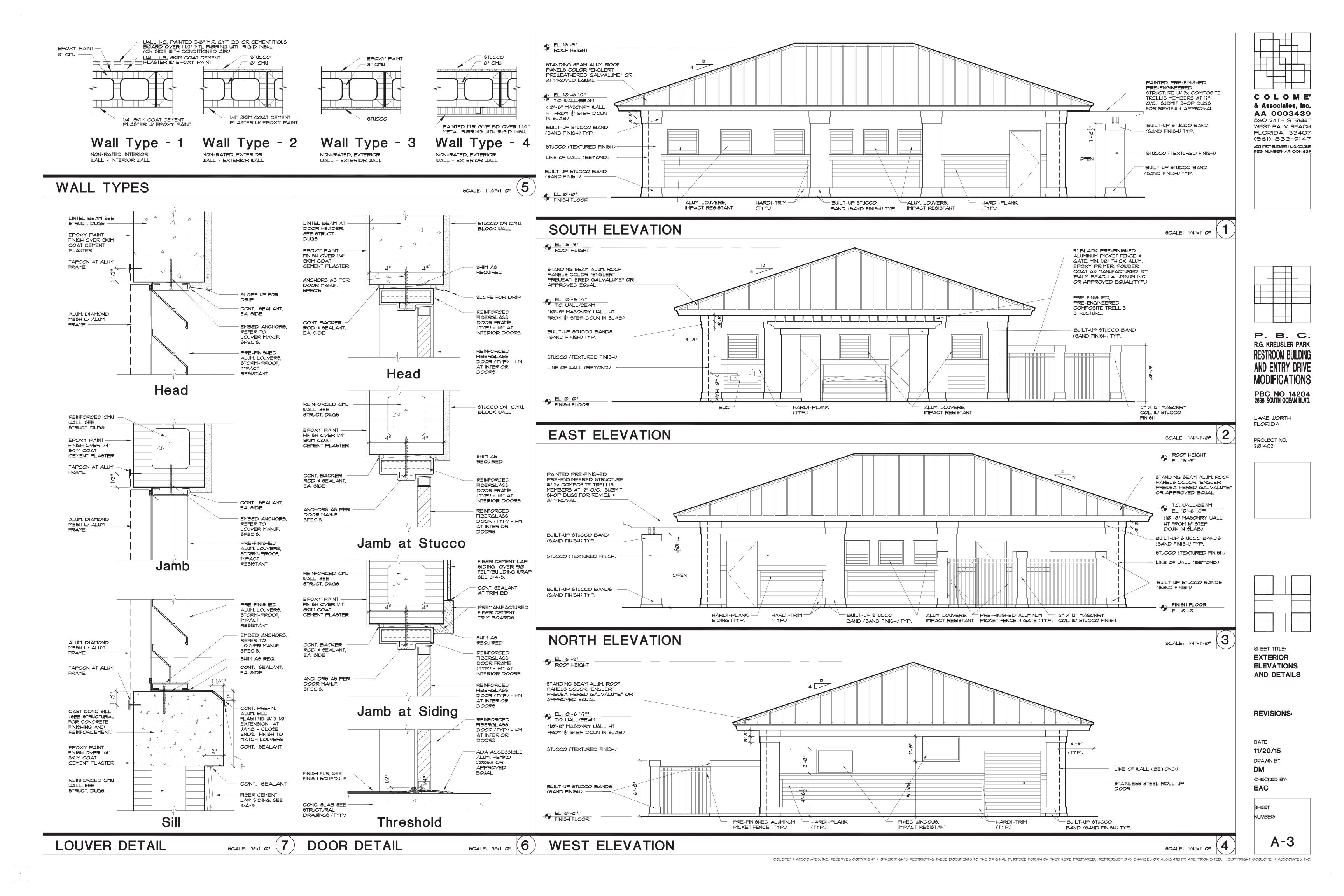
SCALE: 1/4"=1'-@"

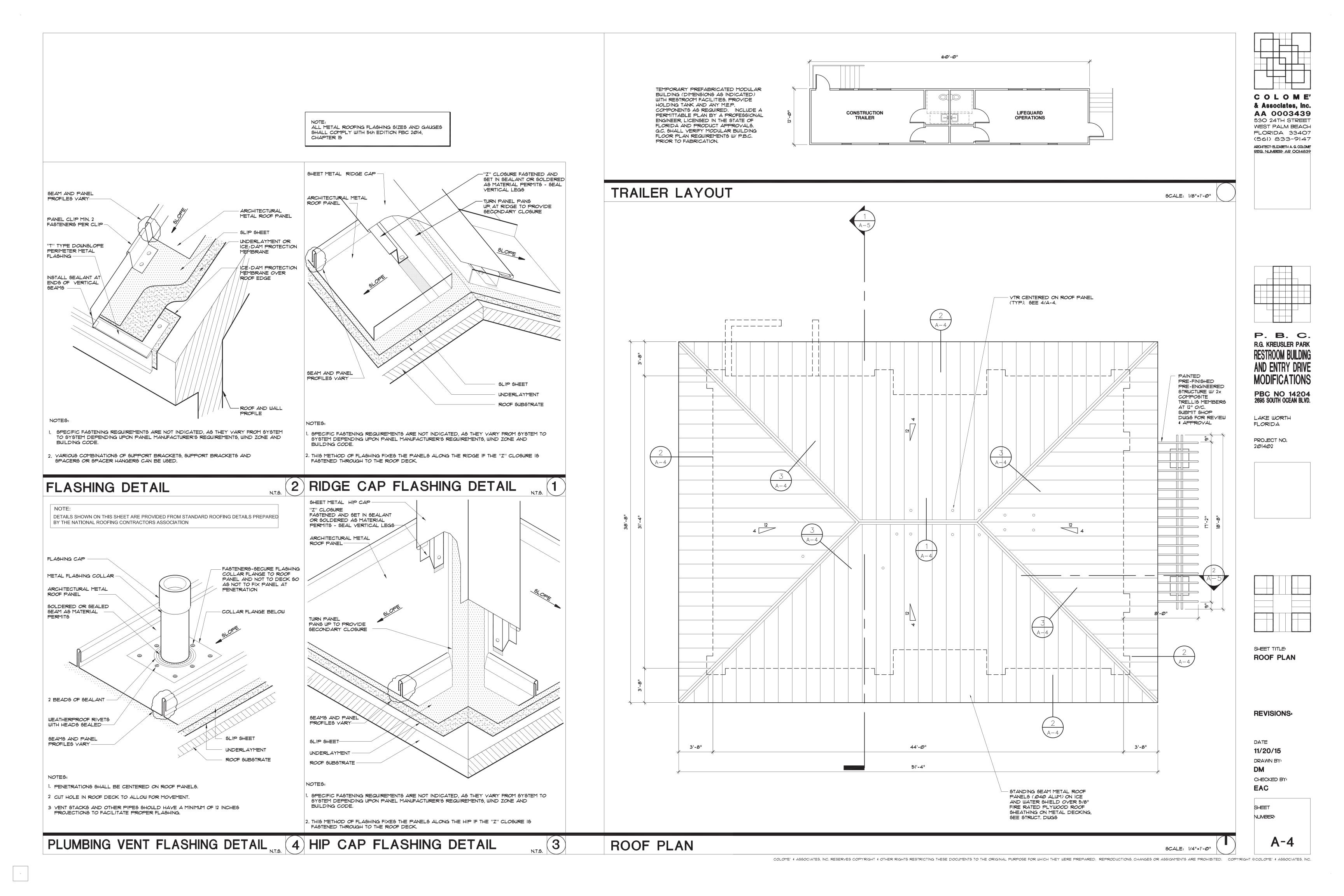
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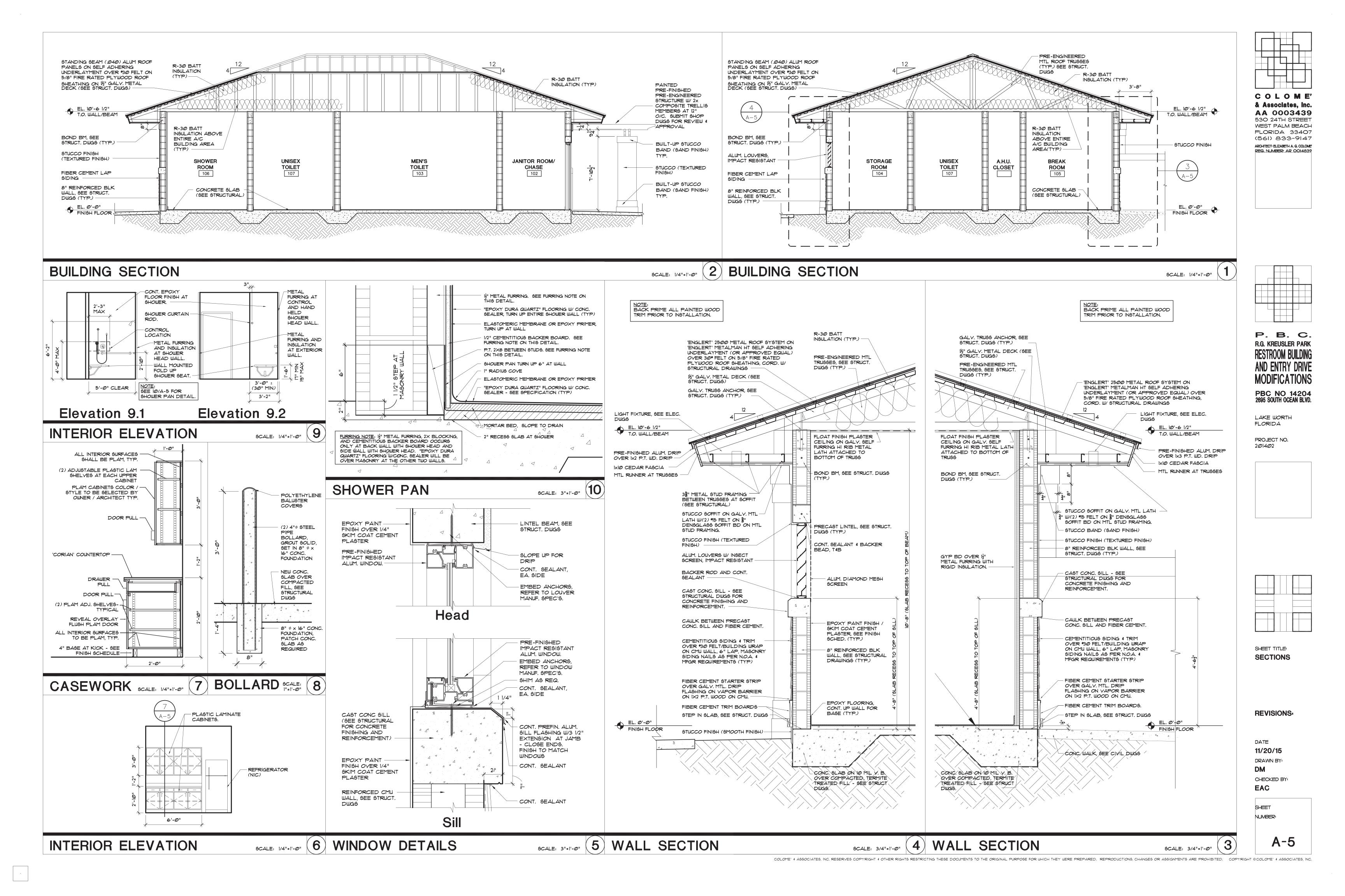
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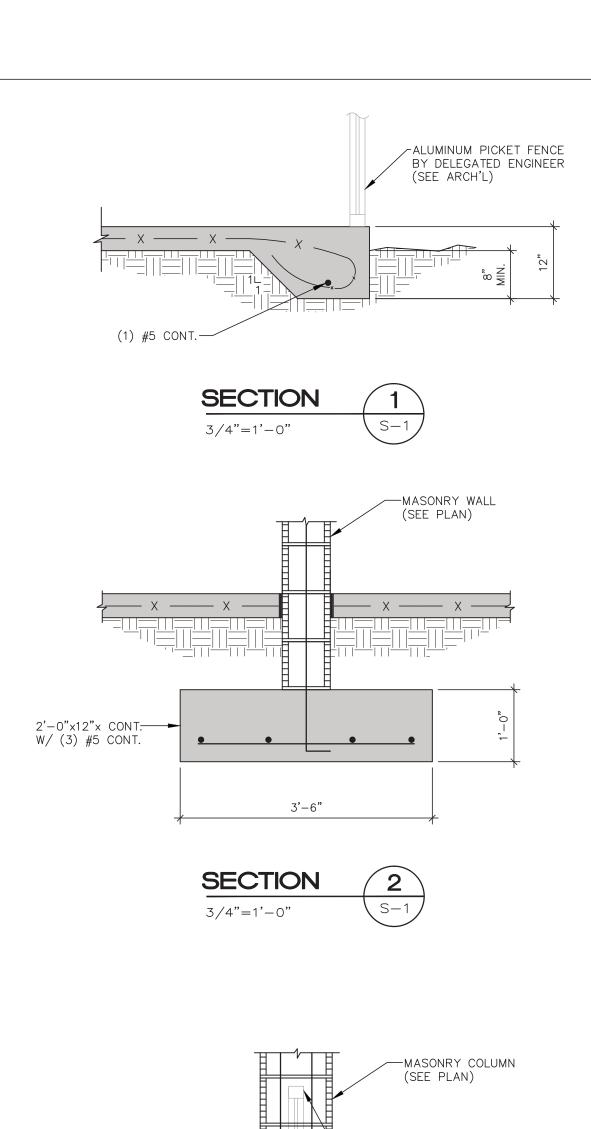
REVIEW AND APPROVAL.

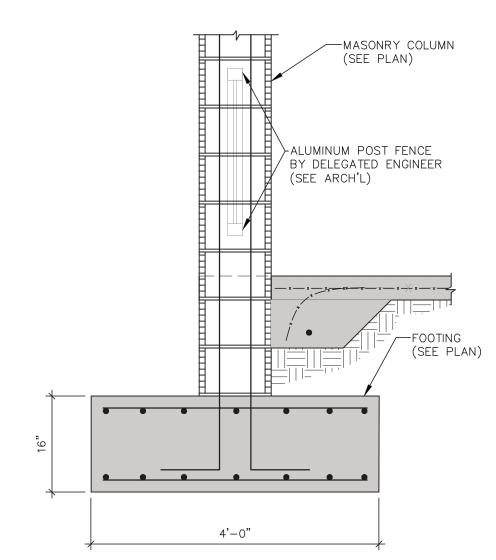




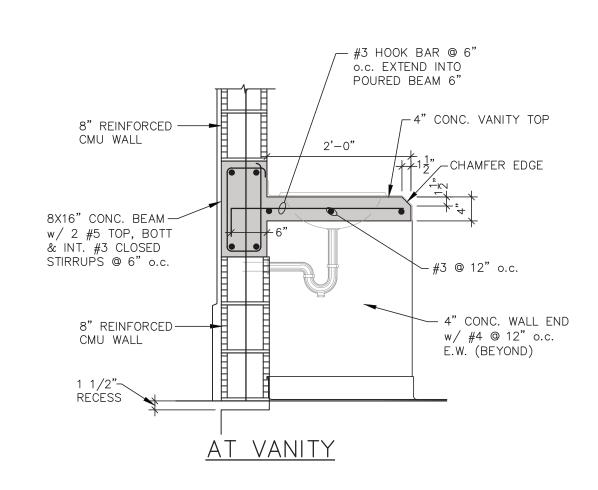


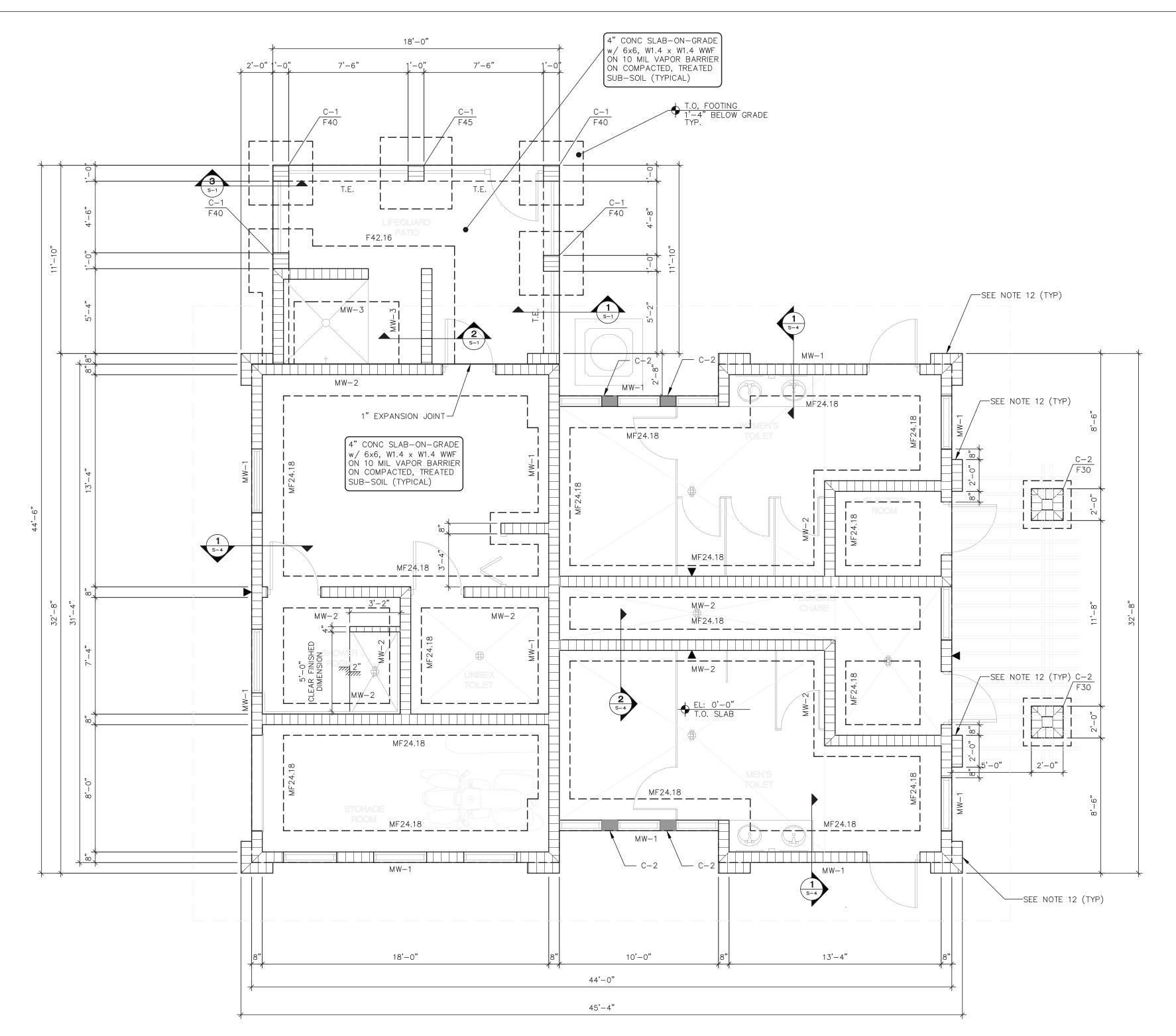










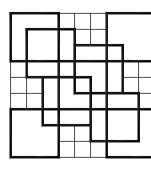




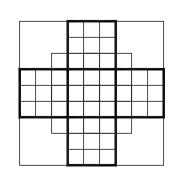
FOUNDATION PLAN NOTES:

- 1. TOP OF SLAB ELEVATION 0'-0" EQUALS ELEVATION, NGVD = 17.52' (CONFIRM W/ CIVIL DWGS) TOP OF FOOTINGS AS NOTED IN PLAN, UNLESS SHOWN OTHERWISE OR REVISED BY GEOTECHNICAL ENGINEER.
- 2. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES.
- 3. SEE ARCH. DRAWINGS FOR LOCATION/ LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON STRUCTURAL PLANS (VERIFY W/ ARCH). SEE GENERAL NOTES FOR ADDITIONAL WALL FRAMING INFORMATION.
- 4. TERMITE POISON TREATMENT UNDER SLAB PER LOCAL CODE REQUIREMENTS.
- 5 PROVIDE CORNER BARS WHERE ALL FOOTINGS CHANGE DIRECTION AND AT FOOTING
- INTERSECTIONS. SEE SECTIONS FOR FURTHER INFORMATION.
- 6. ALIGN C.J. W/COLUMN ISOLATION JOINT WHERE POSSIBLE, OTHERWISE TERMINATE W/(2)#4X6'-0" LONG @ END OF C.J.
- 7. COORDINATE LOCATIONS OF SLAB RECESSES W/ARCH'L. DWGS.
- 8. lacktriangledown Indicates masonry wall control joint.
- 9. ALL EXTERIOR MASONRY WALL TO BE MW-1 U.N.O..
- 10. ALL INTERIOR MASONRY WALL TO BE MW-2 U.N.O.
- 11. C−1 TO BE 12"x12" COLUMN BLOCK FULLY GROUTED W/ 4 #5 AND #2 TIES @ 8"o.c.
- 12. EXTEND EDGE OF MONOLITHIC FOOTING TO EXTERIOR FACE OF WALL. 13. SLOPE TO DRAINS (REFER TO ARCH'L DWGS)
- 14. C-2 TO BE 8"x12" CONC. COLUMN W/ (4) #5 VERT. & #3 TIES @ 8" o.c.





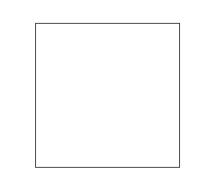
COLOME & Associates, Inc. **AA** 0003439 530 24TH STREET WEST PALM BEACH FLORIDA 33407 (561) 833-9147 ARCHITECT: ELIZABETH A. G. COLOME REG. NUMBER: AR OOI4839

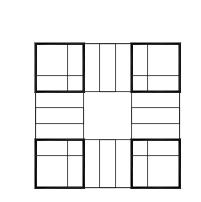


P. B. C. R.G. KREUSLER PARK RESTROOM BUILDING AND ENTRY DRIVE MODIFICATIONS PBC NO 14204 2695 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

PROJECT NO. 201402

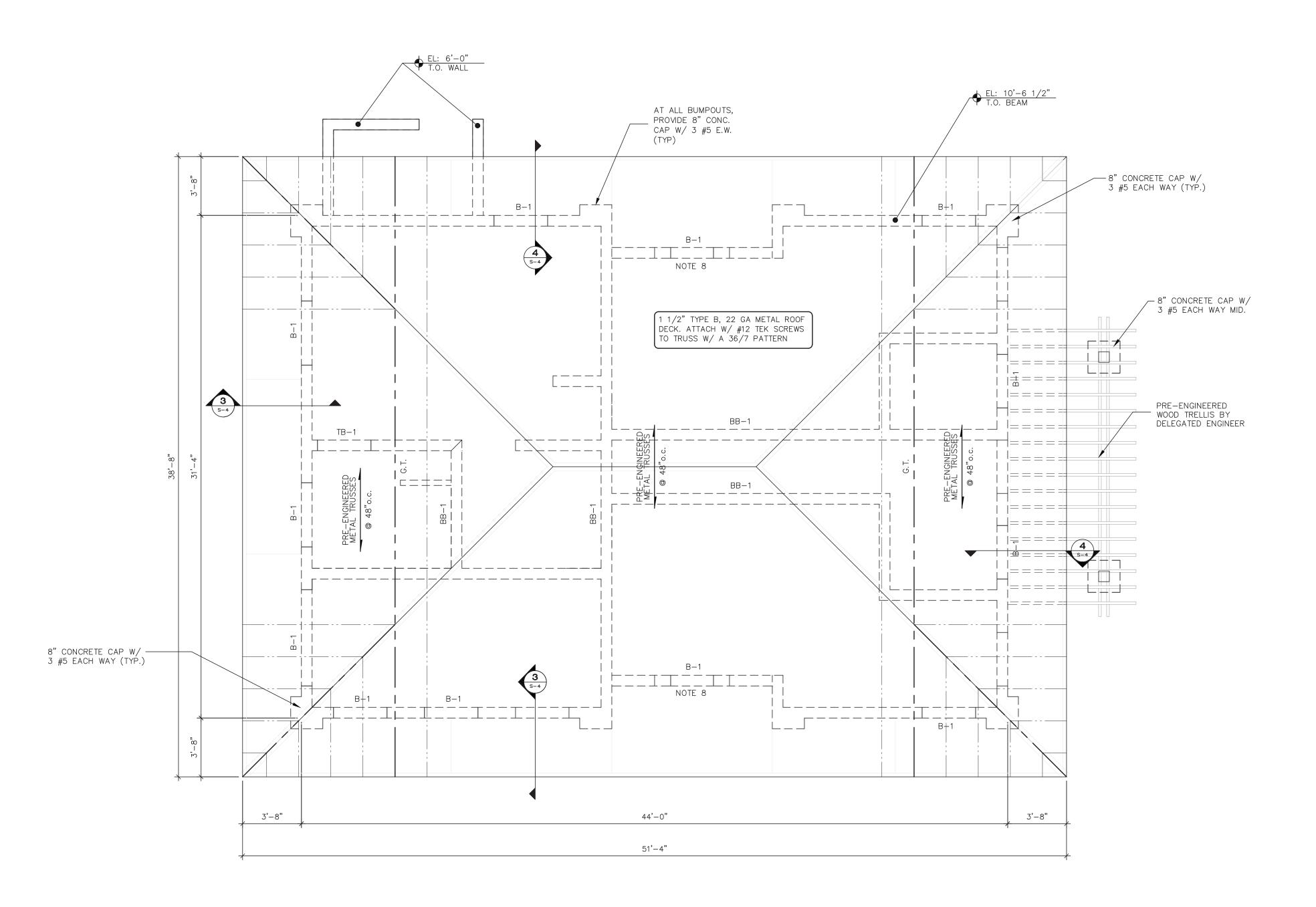




SHEET TITLE: FOUNDATION PLAN

REVISIONS:

DATE 11/20/15 DRAWN BY: DG CHECKED BY:

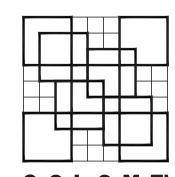




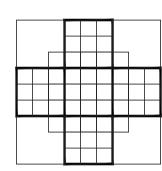
ROOF FRAMING NOTES:

- 1. TRUSS BEARING ELEVATION IS 10'-6 1/2" U.N.O.
- 2. METAL TRUSSES SHALL BE SPACED 4'-0" O.C. MAX. 3. G.T. INDICATES ROOF GIRDER TRUSS BY METAL TRUSS MANUFACTURER.
- 4. TRUSS TO BEAR ON EXTERIOR WALLS AND B-1 BEAMS.
- 5. ROOF SHEATHING SHALL BE 5/8" FIRE RATED PLYWOOD SHEATHING FASTENED TO METAL DECK W/#10 SS S.M.S.
- @ 6"o.c. E.W. OVER 1 1/2" TYPE B 22 GA METAL ROOF DECK. W/ #12 TEK SCREWS TO TRUSSES @ 6" O.C. (36/7 PATTERN) & (6) #12 TEK SCREWS PER SPAN SPIDELAP FASTENERS.
- 6. RUNS FOR MECH'L, ELECTRICAL AND PLUMBING (MEP) THROUGH PRE-FABRICATED
- METAL TRUSSES MUST BE COORDINATED WITH THE METAL TRUSS DESIGNER AND MEP DWGS.
- (PIPING, DUCT RUNS, ETC.) FIRE SPRINKLER RUNS MUST ALSO BE COORDINATED. 7. AT TRUSS BEARING ELEVATION, PROVIDE BB-1 AT ALL MASONRY WALLS U.N.O
- 8. PROVIDE 8"x12" C.I.P. LINTEL W/ (2) #5 BOTTOM OVER WINDOWS





COLOME & Associates, Inc. AA 0003439 530 24TH STREET WEST PALM BEACH FLORIDA 33407 (561) 833-9147 ARCHITECT: ELIZABETH A. G. COLOME REG. NUMBER: AR 0014839

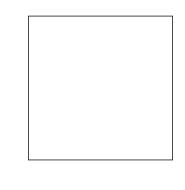


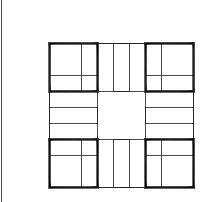
P. B. C. R.G. KREUSLER PARK

PBC NO 14204 2695 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

PROJECT NO. 201402





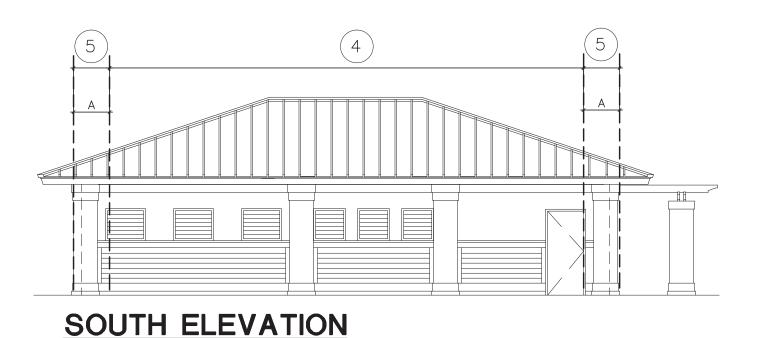
SHEET TITLE: **ROOF PLAN**

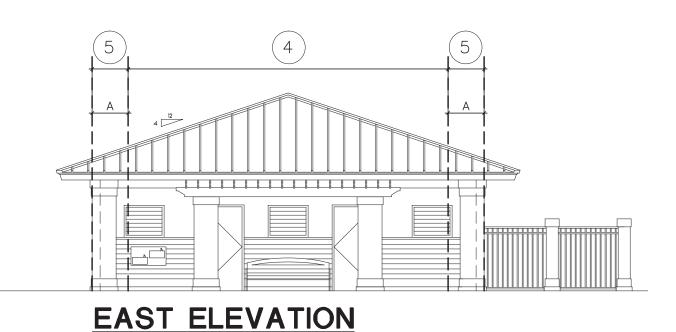
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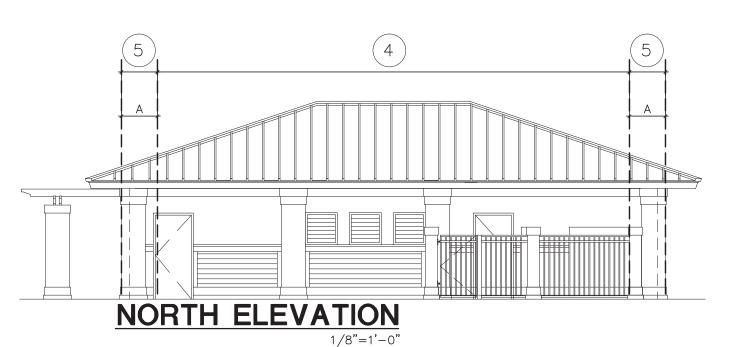
DATE 11/20/15 DRAWN BY: DG

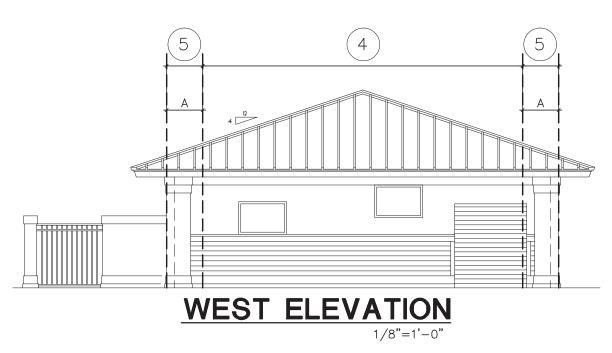
CHECKED BY:

SHEET NUMBER:











CONTRACTOR NOTE: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. O'DONNELL, NACCARATO, MIGNOGNA & JACKSON, INC. IS NOT RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION OR FOR

CODES AND STANDARDS

1. WIND LOADS AS PER:

RELATED SAFETY PRECAUTIONS AND PROGRAMS.

- A. SECTION 1609.6 OF THE FLORIDA BUILDING CODE 5th EDITION (2014) WITH AN ULTIMATE WIND SPEED VULT = 170 MPH (NOMINAL WIND SPEED VASD = 132 MPH), FOR RISK CATEGORY II, EXPOSURE D AND INTERNAL PRESSURE COEFFICIENT +/- 0.18.
- B. THIS BUILDING IS DESIGNED AS AN ENCLOSED BUILDING.
- 2. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:
- A. FLORIDA BUILDING CODE 5th EDITION (2014).
- B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318/ LATEST EDITION).
- C. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315/ LATEST EDITION).
- D. BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530, 530.1/ASCE 5, 6/TMS 402, 602/LATEST EDITIONS).
- ARCHITECTURAL AND MECHANICAL DRAWINGS:

DRAWINGS TO PROPERLY CONSTRUCT THE PROJECT

- A. THE STRUCTURAL DRAWINGS ARE PART OF THE CONTRACT DOCUMENTS AND DO NOT BY THEMSELVES PROVIDE ALL THE INFORMATION REQUIRED TO PROPERLY COMPLETE THE PROJECT STRUCTURE. THE GENERAL CONTRACTOR SHALL CONSULT THE ARCHITECTURAL. MECHANICAL AND FLECTRICAL DRAWINGS AND COORDINATE THE
- B. REFER TO ARCHITECTURAL, MECHANICAL OR ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS, DEPRESSIONS, FINISHES, INSERTS, BOLTS

INFORMATION CONTAINED IN THESE DRAWINGS WITH THE STRUCTURAL

- BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS TO PROPERLY SIZE OR FIT THE WORK. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED BY THE OWNER RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.
- D. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ANY WORK.
- ALL STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LOADS LISTED ONLY AS COMPLETED STRUCTURES. THE GENERAL CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT WORK IN PROGRESS UNTIL THE STRUCTURES ARE COMPLETED. THE GENERAL CONTRACTOR SHALL ALSO INSURE THAT ITS OPERATIONS AND PROCEDURES PROVIDE NO LOADING GREATER THAN THE DESIGN LOADS LISTED ON ANY MEMBER.
- 4. SECTIONS AND DETAILS:

ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE SHOWN.

SPECIALTY ENGINEERED PRODUCTS

1. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE THE PROPER SUBMISSION OF SPECIALTY ENGINEERED SHOP DRAWINGS WHICH SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT THE SPECIALTY ENGINEERED SHOP DRAWINGS ARE SUBMITTED IN A TIMELY MANNER SO AS TO ALLOW REVIEWS AND RESUBMISSIONS AS REQUIRED. ALL SPECIALTY ENGINEERED PRODUCTS SHALL BE DESIGNED FOR THE APPROPRIATE GRAVITY LOADS AND WIND LOADS INCLUDING UPLIFT AND LATERAL LOADS. INTERIOR SPECIALTY PRODUCTS SHALL BE DESIGNED FOR LATERAL LOADS TO ASSURE STABILITY. SPECIALTY ENGINEERED PRODUCTS SHALL BE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

A. IN ADDITION TO THE LOADS SHOWN IN THE DESIGN LOAD SCHEDULE, THE

SPECIALTY ENGINEER SHALL DESIGN FOR THE WEIGHT OF ALL MECHANICAL PLUMBING AND ELECTRICAL EQUIPMENT AND FIXTURES, AS WELL AS CHANDELIER FIXTURES, BAR CABINETS, AND ART WORK / MOBILES. GENERAL CONTRACTOR TO INCLUDE IN THEIR BID THE COST OF THE ABOVE NOTED SPECIALTY

ENGINEERING.

- 1. ALL SITE PREPARATION AND EXCAVATION WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE:
- A. RECOMMENDATIONS ON SOILS AND FOUNDATIONS INVESTIGATION PREPARED BY AN APPROVED TESTING LABORATORY PRIOR TO FOUNDATION WORK.
- 2. THE BUILDING SITE SHOULD BE EXCAVATED TO THE DEPTH AND EXTENT INDICATED IN THE SOILS REPORT. ALL SUBGRADES SHALL BE APPROVED IN WRITING BY THE SOILS ENGINEER PRIOR TO BACKFILLING.
- 4. BOTTOM OF FOOTINGS ASSUMED TO BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 2500 PSF.
- 3. SOILS SUPPORTING ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE COMMENCING WORK, ORDERING MATERIALS, OR MOVING FORWARD IN ANY WAY. APPROVAL IN WRITING MUST INDICATE THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.
- A. ALL EXCAVATION SHALL BE KEPT DRY. EXCAVATE TO DEPTHS AND DIMENSIONS INDICATED. TAKE EVERY PRECAUTION TO GUARD AGAINST
- ANY MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES, UTILITIES,
- 5. CENTERLINE OF FOOTINGS: SHALL COINCIDE WITH CENTERLINE OF COLUMNS UNLESS OTHERWISE NOTED ON DRAWINGS.
- 6. DIMENSIONS: ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE VERIFIED AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS BY THE CONTRACTOR BEFORE PROCEEDING WITH THE CONSTRUCTION DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER IN WRITING BEFORE PROCEEDING WITH ANY WORK.

CONCRETE

1. CONCRETE ELEMENTS TO HAVE THE FOLLOWING STRENGTHS:

A. FOUNDATIONS B. SLAB-ON-GRADE . COLUMNS D. BEAMS . TIE BEAMS F. MASONRY GROUT

4. EXCAVATION & BACKFILL:

3000 PSI 3000 PSI 3000 PSI 3000 PSI 3000 PSI 3000 PSI

ALL OTHER CONCRETE TO BE 3000 PSI UNLESS NOTED OTHERWISE.

- 2. ALL CONCRETE SHALL BE READY MIX AND MEET THE FOLLOWING REQUIREMENTS:
 - A. A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS
 - B. SLUMPS SHALL BE 3" MINIMUM AND 5" MAXIMUM. C. CONCRETE SHALL HAVE 3 + /- 1.5 PERCENT AIR ENTRAINMENT.
 - D. ALL CONCRETE TO HAVE MAXIMUM WATER/CEMENT RATIO OF 0.55.
 - E. JOBSITE WATER SHALL NOT BE ADDED.
 - F. CEMENT SHALL CONFORM WITH ASTM C150 TYPE 1. SLAG, ASTM C989 SHALL BE LIMITED TO 50% (BY WEIGHT OF CEMENTITIOUS MATERIAL AND FLY ASH, ASTM C618, CLASS F, SHALL BE LIMITED TO 25% (BY WEIGHT) OF
- 3. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318/ LATEST EDITION), THE ACI DETAILING MANUAL (ACL 315/ 1994 EDITION), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301/ LATEST EDITION).
- 4. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY ACI SPECIFICATIONS.
- WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A 185, UNLESS OTHERWISE SPECIFIED. PLACE FABRIC 2" CLEAR FROM TOP OF THE SLAB IN SLAB ON GRADE AND SUPPORT ON SLAB BOLSTERS SPACED AT 3'-0" O.C.
- A. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH
- STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A 615 GRADE 60.
- B. WWF SHALL COMPLY WITH ASTM A 185. C. PROVIDE 10 MIL VAPOR BARRIER COMPLIANT WITH ASTM E1745 BELOW ALL

7. REINFORCING BARS:

SLAB ON GRADE.

- A. AT CORNERS OF CONCRETE WALLS, BEAMS AND CONTINUOUS WALL FOOTINGS, PROVIDE (1-#5 OR MATCHING) HORIZONTAL BARS X 5'-0" BENT BAR FOR EACH HÖRIZONTAL BAR SCHEDULED AT EACH FACE
- B. WHERE COLUMNS ARE AN INTEGRAL PART OF CONCRETE WALLS, WALL REINFORCEMENT SHALL BE CONTINUOUS THRU THE COLUMNS.
- C. ALL HOOKS SHOWN IN REINFORCEMENT SHALL BE ACI RECOMMENDED HOOKS UNLESS OTHERWISE NOTED.
- E. CONTRACTOR SHALL INCLUDE IN HIS BASE BID THE COST OF N1 TONS OF ADDITIONAL REINFORCING STEEL, INCLUDING DETAILING, FABRICATION, BENDING, FURNISHING, AND PLACING. THIS EXTRA STOCK SHALL BE FURNISHED AND LISED FOR SPECIAL CONDITIONS AS DIRECTED BY THE ARCH THE ARCHITECT'S AGENT OR BY THE OWNER'S CONSTRUCTION SUPERVISOR. THE PRICE OF THE UNUSED EXTRA STOCK SHALL BE CREDITED TO THE OWNER'S

8. CONCRETE LINTELS:

- A. DROP BOTTOM OF BEAM OR SLAB AT WINDOWS, DOORS AND MASONRY OPENINGS AS REQUIRED TO PROVIDE A CONCRETE CLOSURE BETWEEN THE BOTTOM OF THE BEAM AND WINDOW AND/OR DOOR HEADER OR PROVIDE A PRECAST CONCRETE LINTEL BY CASTCRETE IF NOT NEXT TO A POURED CONCRETE COLUMN.
- B. MAXIMUM DROP SHALL BE 16" (TWO BLOCK COURSES) AND SPAN EQUAL TO MASONRY OPENING WIDTH. PROVIDE 2 #5 AT BOTTOM OF DROP INCLUDING #3 TIES @ 24" O.C. EXTENDING TO TOP OF BEAM REINFORCING. IF THE LINTEL EXCEEDS THE ABOVE LIMIT OF DROP, A SEPARATED LINTEL SHALL BE PROVIDED AS FOLLOWS:
 - L1. OPENING LESS THAN 6'0" WIDE 8" X 8" W/2 #5 BOTTOM BARS. L2. OPENING BETWEEN 6'0" AND 12'0" WIDE 8" X 12" W/2 #6 BOTTOM

C. LINTELS TO HAVE 8" MINIMUM BEARING AT EACH END.

MASONRY MASONRY UNITS SHALL BE

- TYPE II NON-MOISTURE CONTROLLED ALL CMU SHALL BE LAID IN A FULL BED OF MORTAR IN RUNNING BOND
- 2. THE COMPRESSIVE STRENGTH OF MASONRY (F'M) SHALL BE 1,500 PSI AS CALCULATED IN ACCORDANCE WITH ASTM C1314.
- 3. ALL MORTAR SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION C270.
- A. FROM FIELD OBTAINED TEST CUBES. (MIN. OF TWO)
- 4. GROUT SHALL BE A HIGH SLUMP MIX
- A. IN ACCORDANCE WITH ASTM SPECIFICATION C476
- B. HAVING A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI C. FROM FIELD OBTAINED TEST CUBES. (MIN. OF TWO)
- 5. ALL CONCRETE MASONRY BEARING AND SHEAR WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENT FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/TSM 402) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TSM 602)/ LATEST EDITIONS.
- 6. PROVIDE 8" X 8" MASONRY BEAM WITH 2 #5 CONT. AT EVERY WINDOW SILL. EXTEND BEAM 8" BEYOND EDGE OF OPENING.
- 7. PROVIDE HOT DIPPED GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCEMENT (9 GA.) AT 16" ON CENTER VERTICAL IN ALL MASONRY WALLS. PROVIDE DOVE TAIL SLOT ANCHORS AT CONCRETE COLUMNS. FOR JOINT REINFORCEMENT, WALL TIES, ANCHORS AND INSERTS, APPLY A MINIMUM COAT OF 1.5 OUNCES PER SQUARE FOOT (PSF) (458/G/M2) COMPLY WITH THE REQUIREMENTS OF ASTM A153, CLASS B.
- 8. PROVIDE CONTROL JOINTS IN MASONRY WALLS AT A SPACING OF 30' + O.C. AND ALIGN WITH ARCHITECTURAL CONTROL JOINTS.
- 9. MINIMUM LAP SPLICES FOR REINFORCED CMU PER 2010 FBC SECTION 2107: BAR SIZE
- A. LAP SPLICES SHALL OCCUR DIRECTLY ABOVE FOOTINGS AND SLABS. NO SPLICES ARE ALLOWED AT MID-HEIGHT OF WALL.
- LAP SPLICES THAT OCCUR AT CANTILEVERED WALLS SUCH AS: PARAPETS, RETAINING WALLS, ETC. SHALL HAVE LAP SPLICE LENGTHS INCREASED BY 50% TO 72 BAR DIAMETERS.

10. MASONRY LINTELS:

- A. A PRECAST CONCRETE LINTEL BY CASTCRETE SHALL BE PROVIDED OVER ALL MASONRY WALL OPENINGS. THE LINTEL SHALL BE FULLY GROUTED.
- B. LINTELS TO HAVE 4" MINIMUM BEARING AT EACH END.

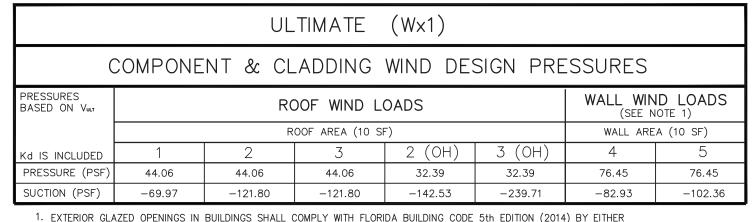
C. SHORE PRECAST LINTEL PER MANUFACTURER'S INSTRUCTIONS.

PREFABRICATED METAL ROOF TRUSSES 1. TRUSS SUBMITTALS AND DESIGN LOADS:

- A. SHOP DRAWINGS AND DESIGN COMPUTATIONS:
- 1. ENGAGE THE SERVICES OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA TO PREPARE COMPLETE SHOP DRAWINGS AND STRUCTURAL DESIGN COMPUTATIONS FOR WORK OF THIS SECTION. DRAWINGS SHALL BEAR THE ENGINEER'S
- THE SHOP DRAWINGS SHALL SHOW ALL PERTINENT DETAILS OF CONSTRUCTION, INSTALLATION, AND ANCHORAGE OF THE LIGHT GAUGE STEEL FRAMING WORK.
- 3. THE STRUCTURAL DESIGN COMPUTATIONS SHALL PROVIDE A COMPLETE STRUCTURAL ANALYSIS OF ALL TYPICAL AND SPECIAL CONDITIONS OF CONSTRUCTION, AND SHALL CERTIFY CONFORMANCE TO THE GOVERNING LAWS AND BUILDING CODES.
- 4. STRICTLY FOLLOW L.G.S.E.A.'S "FIELD INSTALLATION GUIDE FOR COLD-FORMED STEEL ROOF TRUSSES" FOR THE PROPER STORAGE, HANDLING AND BRACING REQUIREMENTS.
- B. METAL TRUSS MANUFACTURER TO DESIGN BOTTOM CHORDS OF METAL TRUSSES FOR A MINIMUM OF 10 PSF LIVE LOAD. BOTTOM CHORDS OF METAL ATTIC TRUSSES TO BE DESIGNED FOR 30 PSF MINIMUM LIVE LOAD. IN ADDITION TO THE LOADS SHOWN IN THE DESIGN LOAD SCHEDULE. THE SPECIALTY ENGINEER SHALL DESIGN FOR THE WEIGHT OF ALL MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND FIXTURES, AS WELL AS CHANDELIER FIXTURES, BAR CABINETS, AND ART WORK / MOBILES.
- SAMPLES: SUBMIT REPRESENTATIVE SAMPLES OF ALL LIGHT GAUGE STEEL FRAMING COMPONENTS TO ARCHITECT FOR APPROVAL.
- PRODUCT DATA: SUBMIT MANUFACTURER'S PRODUCT DATA FOR ALL COMPONENTS TO BE USED IN THE CONSTRUCTION AND ANCHORING OF THE LIGHT GAUGE STEEL FRAMING, INCLUDE SPECIFICATIONS. INSTALLATION INSTRUCTIONS, AND DATA SUBSTANTIATING THAT THE MATERIALS COMPLY WITH SPECIFIED REQUIREMENTS.

2. FRAMING COMPONENTS FOR METAL ROOF TRUSSES:

- 1. STUDS SHALL BE 16-GAGE OR HEAVIER PUNCHED C STUDS. STUDS 2. SYMMETRIC SHAPES SHALL BE 18-GAGE OR HEAVIER. MEMBERS
- SHALL BE MANUFACTURED FROM STEEL MEETING THE REQUIREMENTS OF ASTM A653, GRADE D WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI. MEMBERS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A653 G60 COATING DESIGNATION. MAXIMUM SPACING OF TRUSSES SHALL BE 4'-0" O.C.
- TRACKS SHALL BE 18 GAUGE OR HEAVIER UN-PUNCHED TRACKS MANUFACTURED OF COMMERCIAL QUALITY STEEL SHEET MEETING THE REQUIREMENTS OF ASTM A653 WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI. TRACKS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A653, G60 COATING DESIGNATION. PROVIDE SPECIAL SHAPED TRACKS WITH ONE 4 INCH HIGH LEG WHERE INDICATED ON DRAWINGS.
- BRIDGING SHALL BE MANUFACTURER'S RECOMMENDED TYPE AS REQUIRED TO MEET THE DESIGN CRITERIA SET FORTH ABOVE.
- ATTACHMENT ANGLES, CLOSURE ANGLES, AND OTHER MISCELLANEOUS COMPONENTS SHALL BE MANUFACTURED OF COMMERCIAL QUALITY STEEL SHEET MEETING THE REQUIREMENTS OF ASTM A653 WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI AND SHALL BE FORMED TO PROFILES AS REQUIRED. ALL COMPONENTS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A653, G60 COATING DESIGNATION.
- SUBCONTRACTOR SHALL COORDINATE TRUSS LOCATIONS WITH MECHANICAL TRADES.
- FIELD TOUCH UP:
 - TOUCH UP ALL FIELD WELDS AND ABRASIONS OF GALVANIZED MATERIALS WITH ZINC RICH PAINT IN ACCORDANCE WITH ASTM A 780,
- B. TOUCH UP WORK SHALL BE COMPLETED PRIOR TO ATTACHMENT OF THE WORK OF ANY OTHER SECTIONS TO THE LIGHT GAUGE STEEL FRAMING.
- 1. THE SHOP DRAWINGS SHALL BE SUBMITTED IN COMPLETE PACKAGES FOR THE
- FOLLOWING: A. CONCRETE MIX DESIGNS
- B. CONCRETE REINFORCING STEEL AND WELDED WIRE FABRIC
- C. CONCRETE MASONRY UNIT SUBMITTALS AND OTHER MASONRY ACCESSORIES
- D. PRE-ENGINEERED LIGHT-GAGE METAL TRUSSES
- 2. PRE-ENGINEERED ITEMS SHALL BE SUBMITTED SIGNED AND SEALED BY A SPECIALTY ENGINEER REGISTERED IN THE STATE OF FLORIDA.



- 1. EXTERIOR GLAZED OPENINGS IN BUILDINGS SHALL COMPLY WITH FLORIDA BUILDING CODE 5th EDITION (2014) BY EITHER
- 2. WIND DESIGN PRESSURES NOTED MAY BE MULTIPLIED BY (.6) FOR COMPARISON TO ALLOWABLE

ALLOWABLE (Wx0.6)													
COMPONENT & CLADDING WIND DESIGN PRESSURES													
PRESSURES BASED ON VASO													
		R	OOF AREA (10 SI	F)		WALL ARE	A (10 SF)						
Kd IS INCLUDED	1	2	3	2 (OH)	3 (OH)	4	5						
PRESSURE (PSF)	26.43	26.43	26.43	19.44	19.44	45.87	45.87						
SUCTION (PSF)	-41.98	-73.08	-73.08	-85.52	-143.83	-49.76	-61.42						

- 1. EXTERIOR GLAZED OPENINGS IN BUILDINGS SHALL COMPLY WITH FLORIDA BUILDING CODE 5th EDITION (2014) BY EITHER
- BEING DESIGNED FOR IMPACT RESISTANCE OR BEING PROTECTED BY IMPACT PROTECTIVE SYSTEMS. 2. REFER TO STRUCTURAL NOTES FOR ALL WIND LOAD PARAMETERS.
- 3. CORNER DISTANCE, A = 3.5 FEET

4. CORNER DISTANCE, A = 3.5 FEET

BEING DESIGNED FOR IMPACT RESISTANCE OR BEING PROTECTED BY IMPACT PROTECTIVE SYSTEMS.

(NOMINAL) WIND PRESSURES OF TESTED ASSEMBLIES. PER 2014 FBC. 3. REFER TO STRUCTURAL NOTES FOR ALL WIND LOAD PARAMETERS.

STRUCTURAL ENGINEERS

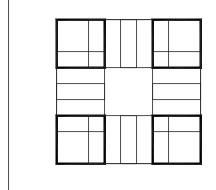
LIC. #0004386

JOB # 271.081

321 15TH STREET, SUITE 200

WEST PALM BEACH, FLORIDA 33401

(561) 835 - 9994 FAX (561) 835 - 8255



COLOME & Associates, Inc. **AA** 0003439

530 24TH STREET WEST PALM BEACH FLORIDA 33407 (561) 833-9147 ARCHITECT: ELIZABETH A. G. COLOME REG. NUMBER: AR OO14839

P. B. C.

R.G. KREUSLER PARK

PBC NO 14204

2695 SOUTH OCEAN BLVD.

LAKE WORTH

PROJECT NO.

FLORIDA

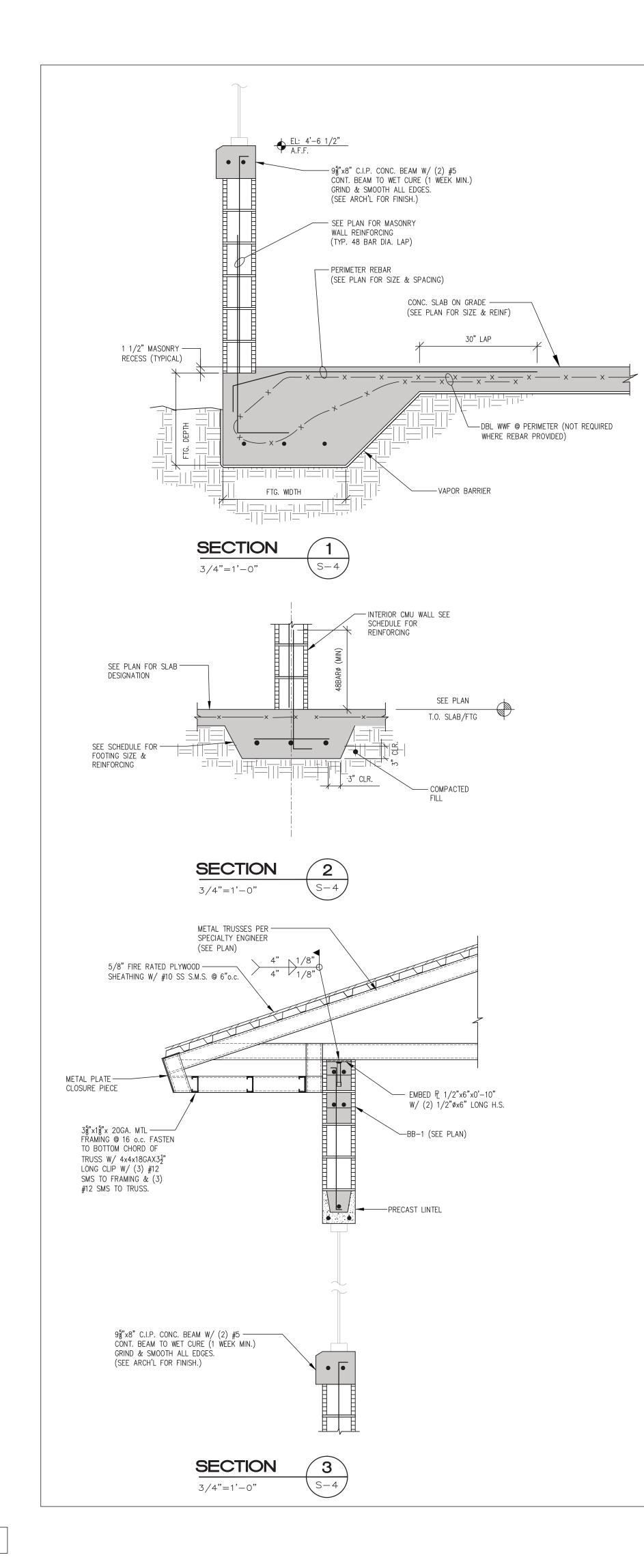
201402

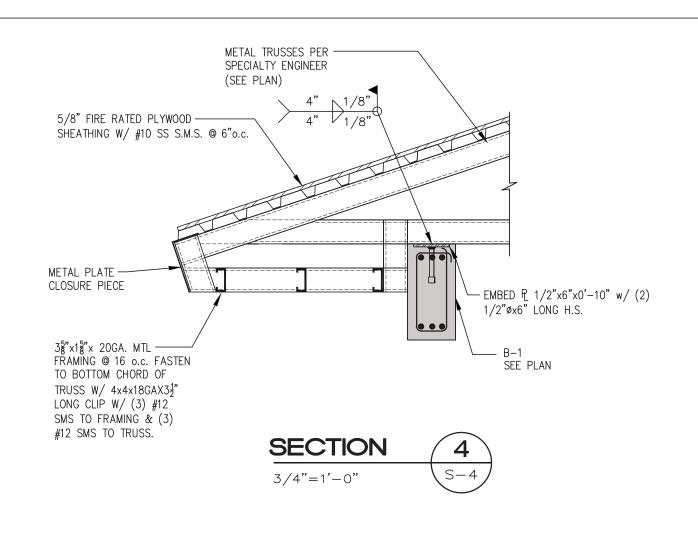
SHEET TITLE: WIND PRESSURES STRUCTURAL NOTES **SCHEDULES**

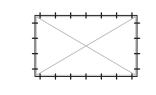
REVISIONS:

DATE 11/20/15 DRAWN BY: DG CHECKED BY



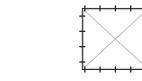




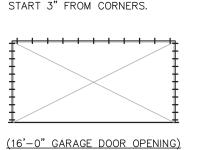


(WINDOW & DOOR OPENINGS

7'-0" WIDE AND LARGER)



(WINDOW & DOOR OPENINGS 6'-6" WIDE AND SMALLER) 2" X P.T. BUCK W/ 1/4"ø TAPCON 2" X P.T. BUCK W/ 1/4"ø TAPCON W/ 1 1/2" EMBEDMENT AT 8"o.c., W/ 1 1/2" EMBEDMENT AT 8"o.c., START 3" FROM CORNERS.



G.C. TO COORDINATE OPENING DIMENSIONS.

-DETAIL A

- DETAIL A

DIAG BRACING SCREWED TO OPPOSITE SIDE OF WEB TO PREVENT LATERAL MOVEMENT © 20'-0" O.C.

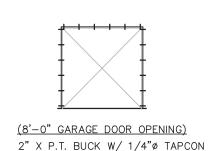
PLYWOOD SHEATHING -OR METAL DECKING

COMPRESSION WEB -SLOPING OR VERT

CONT LATERAL BRACE — (C.L.B.) BY TRUSS SUPPLIER

20'-0" O.C. (MAX.)

2" X P.T. BUCK W/ 1/4"ø TAPCON



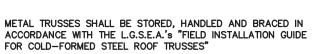
W/ 1 1/2" EMBEDMENT AT 8"o.c., W/ 1 1/2" EMBEDMENT AT 8"o.c., START 3" FROM CORNERS. START 3" FROM CORNERS. BUCKS TO BE FASTENED HORIZONTALLY AND VERTICALLY TO

TYPICAL WOOD BUCK TO CONCRETE CONNECTION DETAIL

CONCRETE BEAMS AND COLUMNS OR CONCRETE FILLED MASONRY.

1. EXTERIOR GLAZED OPENINGS IN BUILDINGS SHALL COMPLY WITH FLORIDA BUILDING CODE 5th EDITION (2014) BY EITHER BEING DESIGNED FOR IMPACT RESISTANCE OR BEING PROTECTED BY IMPACT PROTECTIVE SYSTEMS.

DETAIL B

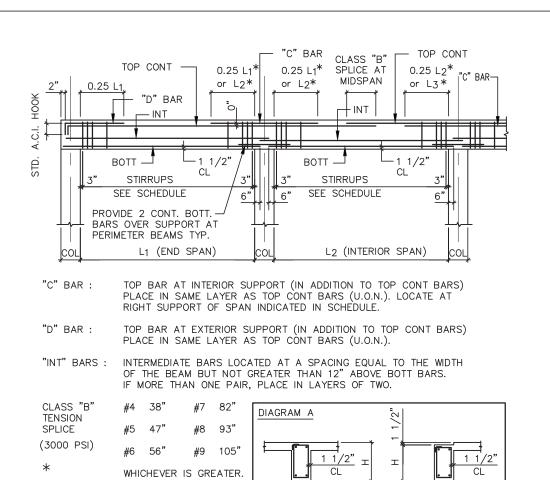


- WEB BRACING: A. THE TRUSS FABRICATOR SHALL PROVIDE AND LOCATE
 CONTINUOUS LATERAL BRACING (C.L.B.) FOR EACH TRUSS WEB MEMBER AS REQUIRED. ALTERNATE SCAB, "L" AND T" WEB BRACING MAY BE SUBSTITUTED FOR C.L.B. LATERAL BRACING SHALL BE RESTRAINED BY DIAGONAL BRACING (2" NOMINAL WIDE). THIS BRACING IS TO BE
- C. A MINIMUM OF TWO ROWS OF DIAGONAL BRACING IS REQUIRED, ONE AT EACH VERTICAL WEB MEMBER CLOSEST TO BEARING LOCATIONS.

BOTTOM CHORD BRACING:

- A. THE BOTTOM CHORDS SHALL BE BRACED BY CONTINUOUS LATERAL BRACING SPACED AT 4'-0" O.C., SCREWED TO BOTTOM OF THE BOTTOM CHORD. DIAGONALS PLACED AT 45' TO THE LATERAL BRACES SHALL BE LOCATED AT EACH END AND AT 20 FOOT INTERVALS. THE MINIMUM BOTTOM CHORD C.L.B. AND DIAGONAL BRACING SHALL BE 350S 162-33, TYPICAL. B. WHERE THE BOTTOM CHORDS ARE CONTINUOSLY BRACED WITH A
- RIGID CEILING, C.L.B. SHALL BE SPACED AT 8'-0" O.C. WITH DIAGONAL BRACING. TOP CHORD BRACING:
- A. IF PLYWOOD OR METAL DECKING IS APPLIED DIRECTLY TO TOP CHORD, PROPERLY LAPPED AND SCREWED TO DEVELOP DIAPRAGHM ACTION, BRACING IS NOT REQUIRED. IF PURLINS ARE USED, DIAGONAL TOP CHORD BRACING IS REQUIRED AT EACH END. IF BUILDING EXCEEDS 60 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20 FOOT INTERVALS.

METAL TRUSS BRACING DETAIL



NOTES: WHEN ADJACENT BEAMS OR TIE BEAMS HAVE TOP CONT BARS OF DIFFERENT SIZE, THE TRANSITION SHOULD BE MADE AT MIDSPAN OF THE BEAM WITH SMALLER SCHEDULED BARS. USE LAP SPLICE LENGTH OF SMALLER SIZE BAR. (2L) — INDICATES BARS PLACE IN TWO LAYERS. WHERE BARS ARE PLACED IN TWO LAYERS, THE SECOND LAYER BARS MUST BE PLACED DIRECTLY UNDER BARS IN THE FIRST LAYER (IF TOP BAR) OR DIRECTLY OVER BAR IN THE FIRST LAYER (IF BOTT BAR).

INTERIOR BEAM

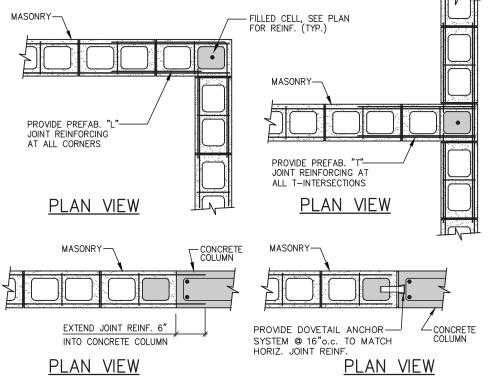
SPANDREL BEAM

N.T.S.

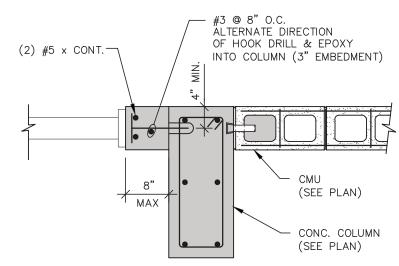
PROVIDE 1" CLEAR DISTANCE BETWEEN LAYERS OR ONE BAR DIAMETER, WHICHEVER IS THE GREATER DISTANCE. SCHEDULED BEAM SIZES : [SEE DIAGRAM A]

"B" INDICATES BEAM WIDTH DIMENSION. WHEN BEAM IS OVER A BLOCK WALL, USE ACTUAL BLOCK WIDTH (7.5/8" or 11.5/8"). "H" INDICATES BEAM DEPTH DIMENSION. LESS 1.1/2" FOR RECESS FOR BLOCK WALL DEDUCTED WHERE APPLICABLE, OR MINIMUM DEPTH IN A VARIABLE DEPTH BEAM. COORDINATE BEAM CONFIGURATION WITH ARCHITECTURAL DRAWINGS.

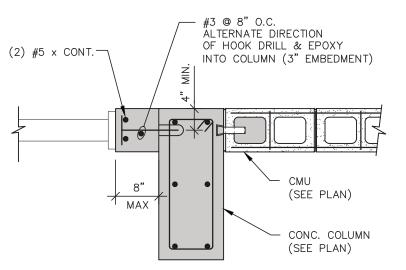
TYPICAL BEAM BAR PLACEMENT DIAGRAM

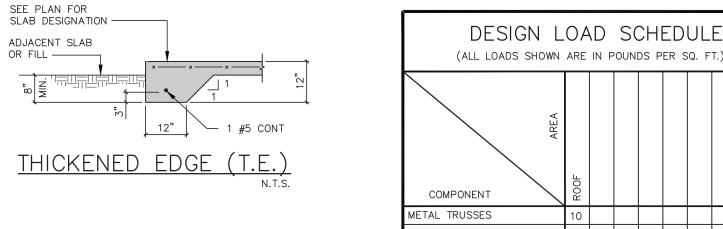


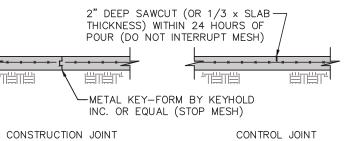
(MASONRY LAID BEFORE COLUMN) (MASONRY LAID AFTER COLUMN)



TYPICAL JAMB DETAIL < 8"

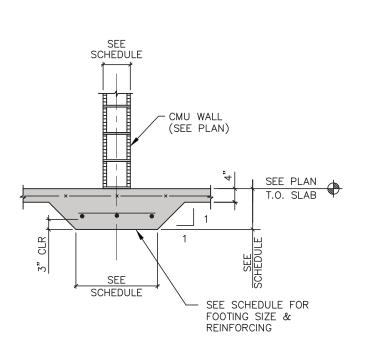






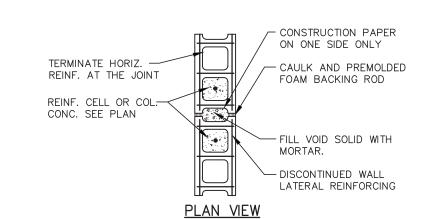
TYPICAL SLAB-ON-GRADE NOTE: CONTROL JOINTS/CONSTRUCTION JOINTS SHALL CREATE PANELS OF 150 SQ. FEET

(MAXIMUM)



DENOTED " T.S." (THICKENED SLAB) ON PLAN

TYPICAL INTERIOR MONOLITHIC WALL FOOTING (NON-BEARING)



1.- SAW CUT BOND BEAMS, TIE BEAMS 1" DEEP TO CONTINUE WALL

CONTROL JOINT TO TOP OF WALL. 2.- CONTROL JOINT SPACING IS NOT TO EXCEED 25'-0"o.c. IN WALLS WITH MORE THAN 25'-0" OF UNINTERRUPTED MASONRY. REFER TO DWG'S. FOR ADDITIONAL SPECIFIED

LOCATIONS AS NOTED THUS (WCJ). 3.- CONTINUE ALL BOND BEAMS, TIE BEAMS REINF. THROUGH THE JOINT. → BACKER ROD & CAULK SEE ARCH. DWGS BACKER ROD & CAULK SEE ARCH. DWGS

ALTERNATE METHOD

CMU WALL CONTROL JOINT (WCJ) DETAIL

ARFA					
COMPONENT	ROOF				
METAL TRUSSES	10				
MEP	5				
ROOFING	10				
TOTAL DEAD LOAD	25				
	20				
TOTAL LIVE LOAD	120				$\overline{}$

	BEA	M S	CHE	DUL	Е	
MARK	SIZE BxH	RE	EINFORC	NG		STIRRUPS
MARK	(inches)	вотт	TOP	INT	TIES	SPACING
B-1	8 x 16	3 #5	3 #5	_	#3	@ 6"o.c.
BB-1*	8 x 16	2 #5	2 #5	_	#3	@ 8"o.c.
NOTES :	•	•	•			

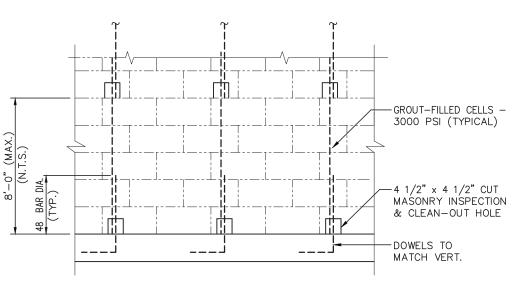
1. TIE-BEAMS INTENDED TO BE CAST ATOP MASONRY WALLS EXTEND AND HOOK WALL REINFORCING INTO TIE—BEAM. 2. * - INDICATES MASONRY BEAM

	FOOTING S	CHEDULE
MARK	SIZE	REINFORCING
F30	3'-0" x 3'-0" x 12"	4 #5 TOP & BOTT. E.W.
F40	4'-0" x 4'-0" x 16"	5 #5 TOP & BOTT. E.W.
F45	4'-6" x 4'-6" x 16"	6 #5 TOP & BOTT. E.W.
F24.12	2'-0" x CONT. x 12"	3 #5 CONT.
F42.16	3'-6" x CONT. x 16"	4 #5 CONT.
MF24.12	2'-0" x CONT. x 12"	3 #5 CONT.
MF24.18	2'-0" x CONT. x 18"	3 #5 CONT. #4 x 2'-0" LONG HOOK BAR @ 36"o.c.

١	MASONRY WALL	SCHEDULE
MARK	THICKNESS	REINFORCING
MW-1	8" CMU	#5 @ 40"o.c.
MW-2	8" CMU	#5 @ 48"o.c.
MW-3	8" CMU	#5 @ 16"o.c.

MASONRY WALL NOTES:

- 1. WALL SEGMENTS SHALL BE REINFORCED WITH 9 GA. GALVANIZED LATERAL REINFORCING @ 16" O.C. HORIZ. EXTEND REINFORCING 6" INTO POURED ELEMENTS AND AROUND ENCASED STEEL. 2. ADJACENT TO ANY EXTERIOR/INTERIOR WALL OPENING, PLACE (1)
- MATCHING VERTICAL IN CELL GROUTED SOLID, FULL HEIGHT. 3. ALL MASONRY REINFORCED CELLS SHALL BE FILLED WITH 3000 PSI GROUT MIX.
- 4. AT END, CORNERS, AND INTERSECTION OF WALLS PLACE (1) MATCHING VERTICAL IN CELL GROUTED SOLID, FULL HEIGHT.

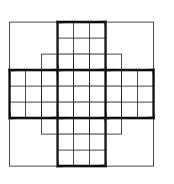


TYPICAL MASONRY FILLED CELL DETAIL



COLOME' & Associates, Inc. **AA** 0003439 530 24TH STREET WEST PALM BEACH FLORIDA 33407 (561) 833-9147 ARCHITECT: ELIZABETH A. G. COLOME

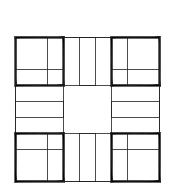
REG. NUMBER: AR 0014839



P. B. C. R.G. KREUSLER PARK **PBC NO 14204** 2695 SOUTH OCEAN BLVD.

> LAKE WORTH FLORIDA

PROJECT NO. 201402



SHEET TITLE: TYP DETAILS AND SECTIONS

REVISIONS:

DATE 11/20/15 DRAWN BY: DG CHECKED BY:

SHEET NUMBER:

	AIR CONDITIONING SYSTEM SCHEDULE																			
UNIT	UNIT MAKE AIR HANDLING UNIT DATA E.A.T. L.A.T. CAPACITY DATA AIR COOLED CONDENSING UNIT DATA REMA													DEMARKS						
NO.	MAKE	MODEL	CFM	EXT. SP	FAN FLA	V/ø	DB	WB	DB	WB	COOLIN TOTAL	G MBTU SENS.	HE/	ATING Vø	PLAN MARK	MODEL	VOLTS/ø	COMP. R.L.A.		REMARKS
AHU-1	TRANE	TAM4AOA18	500	0.3	2.4	240/1	77.0	65.0	57.0	55.2	17.4	12.8	3.6	240/1	CU-1	4TTR4018	208/1	9	0.6	123456

1 ALL CONDENSATE DRAIN LINES SHALL BE FULL SIZE OF THE DRAIN CONNECTION OR 3/4" DIA., WHICHEVER IS LARGER.

2 14.5 SEER MINIMUM FOR MATCHED PAIR SYSTEM.

3 24 HR 7 DAY DIGITAL PROGRAMMABLE BACNET COMMUNICATING THERMOSTAT

DESIGN CRITERIA IS FOR A FACTORY
"MATCHED PAIR" CONDENSER/EVAPORATER.
SUBMIT COMBINATION RATINGS FOR
MATCHED SYSTEM AT SPECIFIED CONDITIONS.

5 FIELD APPLIED CONDENSER COIL COATING. 5000 HR SALT-SPRAY ASTMB-117 CERTIFIED.

(6) REFRIGERANT = R410A

	LEGEND
Δ	REVISIONS
[AP]	ACCESS PANEL (CEILING MOUNTED)
A.F.F.	ELEVATION/ABOVE FINISHED FLOOR
EA	EXHAUST AIR
24 X 12	NEW EXHAUST DUCTWORK FIRST DESIGNATION IS SIDE SHOWN.
	TURNING VANES (NUMBER OF VANES SHALL BE BASED ON ACTUAL DUCT SIZE & NOT ON SCHEMATIC SYMBOL ON DRAWING — SEE SMACNA)
	EXHAUST FAN
	EXHAUST GRILLE

PLAN MAI	RK DESIGNATION
PLAN MARK:	EF

LUNIT NUMBER

EF = EXHAUST FAN

AHU = AIR HANDLING UNIT

CU = CONDENSING UNIT

VOLUME DAMPER (WITH OR WITHOUT MD)

THERMOSTAT OR TEMPERATURE SENSOR

FLEXIBLE DUCT CONNECTION

PLAN	MAKE	MODEL	OFM	E.S.P. IN INCHES	DDIVE	SONES	FAN		МОТ	OR		MOUNTING	REMARKS	FAN CONTROL
MARK	MAKE	NUMBER	CFM	H ₂ 0	DRIVE	SUNES	RPM	HP	RPM	VOLTS	PH	MOONTHIO	NEWARKS	7711 301111102
EF-1	NOT USED													
EF-2	GREENHECK	SQ-97-VG	100	0.50	DIRECT	8.8	1272	1/4	1272	120	1	IN-LINE	12345	INTERLOCK WITH AHU-1
EF-3	GREENHECK	SQ-98-VG	500	0.50	DIRECT	13.5	1622	1/4	1622	120	1	IN-LINE	123456	FAN SHALL RUN CONTINUOUSLY
EF-4	GREENHECK	SQ-60-D	100	0.25	DIRECT	3.8	1528	1/40	1528	120	1	IN-LINE	123457	TSTAT SET TO 80°F
① A	LUMINUM BACKDRA	AFT DAMPER	(AT FAN,	ONIC SPEED OR LOCATE	E ABOVE	NEARES	UNTED	(5)) PROVI	DE W	ITH DISCON	NECT 7 PR	OVIDE WITH INLET GUARD
(2) H	UNG FROM STRUCT	TURE WITH		ADJACE	NT ACCESSIE	BLE CEILIN	IG.		6) COORD	INAT	E WITH DIVI AND STROBE	SION	
S	PRING VIBRATION IS	SOLATORS	(4 PROVIDE MOTOR	WITH INSUI	LATED HO	USING	AND				G. SEE PLAN		

EXHAUST FAN SCHEDULE

		DIFFUSE	R, GRI	LLE, A	AND R	EGISTE	R SCHE	DULE			
PLAN MARK											
CD-1	TITUS	TDC-AA	12x12	10x10	OFF-WHITE	ALUMINUM	SURFACE	12			
EG-1	TITUS	350FL	10x10	6x6	OFF-WHITE	ALUMINUM	SURFACE	134			
EG-2	TITUS	350FL	10x10	8x8	OFF-WHITE	ALUMINUM	SURFACE	134			
TG-1	TITUS	350FL	16x16	16x16	OFF-WHITE	ALUMINUM	SURFACE	134			

CONFIRM ALL MOUNTING TYPES WITH ACTUAL CEILING CONSTRUCTION PRIOR TO ORDERING AND INSTALLATION

2 THROW PATTERN AS INDICATED BY

ARROWS ON FLOOR PLANS

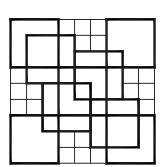
(3) FLANGED BORDER

5 COLOR TO MATCH SURFACE THAT GRILLE IS MOUNTED IN.

4 POSITION SO BLADES POINT TOWARDS THE WALL (CEILING MOUNTED) OR CEILING (WALL MOUNTED).

GENERAL MECHANICAL NOTES

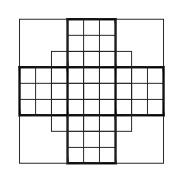
- 1. ALL SUPPLY, EXHAUST, AND OUTSIDE AIR DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL. DUCTS SHALL BE FABRICATED IN COMPLIANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE." REFER TO THE PROJECT SPECIFICATIONS FOR PRESSURE CLASSIFICATION AND SEALING REQUIREMENTS.
- 2. EXHAUST AND OUTSIDE AIR DUCTWORK SHALL BE UNINSULATED. ALL DUCTWORK SHALL BE SLOPED BACK TOWARDS LOUVER AT 1/8 INCH PER FOOT.
- 3. EXACT LOCATION OF AIR DISTRIBUTION DEVICES SHALL BE COORDINATED WITH THE ARCHITECTURAL CEILING PLANS.
- 4. COORDINATE INSTALLATION WITH ALL OTHER INVOLVED TRADES. IN THE CASE OF CONFLICT BETWEEN DRAWINGS AND SPECIFICATION, THE MORE STRINGENT REQUIREMENT AS DETERMINED BY THE ARCHITECT / ENGINEER SHALL TAKE PRECEDENT.
- 5. REFER TO PLANS FOR ADDITIONAL NOTES.
- 6. ELEVATIONS GIVEN: B.E. = BOTTOM ELEVATION, C.E. = CENTERLINE ELEVATION, T.E. = TOP ELEVATION, ARE TAKEN FROM THE CONCRETE FLOOR SLAB. THESE ELEVATIONS ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION OF ANY DUCTWORK OR PIPING.
- 7. PROVIDE SINGLE THICKNESS METAL TURNING VANES IN ALL SQUARE ELBOWS INCLUDING SUPPLY, RETURN, EXHAUST, RELIEF AND OUTSIDE AIR DUCTS. WHERE UNEQUAL SQUARE ELBOWS ARE SHOWN, TURNING VANES WITH TRAILING EDGE EXTENSIONS SHALL BE USED.
- 8. DOCUMENTS ARE SCHEMATIC IN NATURE AND DO NOT INDICATE EVERY BEND, ELBOW, OR OFFSETS REQUIRED IN DUCTWORK AND PIPING. FIELD VERIFY ALL SIZES AND ELEVATIONS PRIOR TO FABRICATION/INSTALLATION. PROVIDE MODIFICATIONS WHERE REQUIRED FOR COORDINATION IN BASE CONTRACT PRICE AT NO ADDITIONAL COST.
- 9. ENDS OF DUCTWORK SHALL BE KEPT SEALED USING PLASTIC SHEETING AND DUCT TAPE DURING CONSTRUCTION.
- 10. EQUIPMENT SHALL BE SUPPLIED AND INSTALLED WITH PROVISION FOR IN-PLACE CLEANING AND SIMILAR MAINTENANCE TASKS IN ACCORDANCE WITH THE REQUIREMENTS OF ASHRAE 62-2007.
- 11. ACCESS PANELS SHOWN IN HARD CEILINGS SHALL BE A MINIMUM OF 18 X 18 TO ALLOW FOR TEST AND BALANCE ACCESS. WHERE 18 X 18 ACCESS DOOR CANNOT BE USED DUE TO CONFLICT, PROVIDE MAXIMUM ALLOWABLE PANEL AS NOT TO CONFLICT WITH OTHER TRADES. COORDINATE COLOR OF PANEL WITH ARCHITECT.
- 12. PAINT INSIDE OF ALL VISIBLE PLENUMS FLAT BLACK.
- 13. EXTERIOR MOUNTED EQUIPMENT SHALL BE DESIGNED, MANUFACTURED, AND INSTALLED TO WITHSTAND THE APPLIED WIND FORCE. THE APPLICABLE WIND FORCE SHALL BE AS DETERMINED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE CHAPTER 16. A "SPECIALTY ENGINEER" LICENSED TO PRACTICE IN FLORIDA SHALL DETERMINE THE APPLICABLE WIND FORCE AND CERTIFY THE PROPOSED EQUIPMENT CONSTRUCTION AND MOUNTING MEETS THE APPLIED WIND FORCE WITH SUITABLE DOCUMENTATION PROVIDED TO THE PERMITTING AUTHORITIES.



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JOHNSON, LEVINSON RAGAN, DAVILA, INC. CONSULTING ENGINEERS 1450 Centrepark Boulevard, Suite 350 West Palm Beach, Florida 33401 (561) 689-2303 • (561) 689-2302 Fax www.jlrdinc.com Certification Number 6059 Michael P. Linden, P.E. #58094 Charles C. Gableman, P.E. #51936

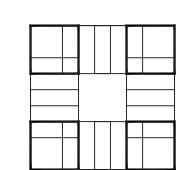


R. ES. C.
R.G. KREUSLER PARK
RESTROOM BULDING
AND ENTRY DRIVE
MODIFICATIONS

PBC NO 14204 2005 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

PROJECT NO. 201402 JLRD NO. 115042



SHEET TITLE:

LEGEND, GENERAL

NOTES AND

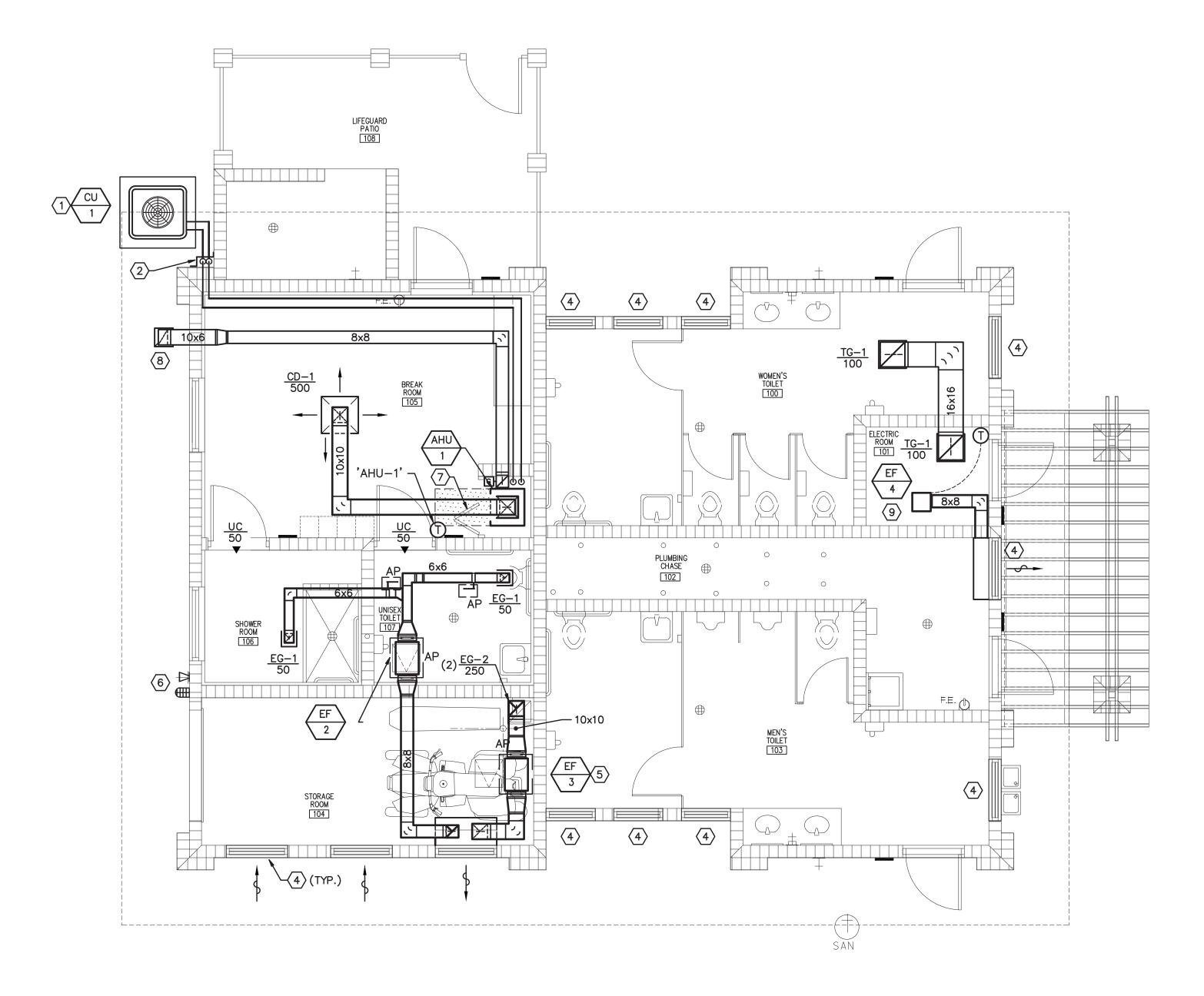
SCHEDULES

REVISIONS:

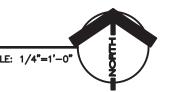
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11/20/15
DRAWN BY:
BDS
CHECKED BY:

SHEET NUMBER:

M-1







PLAN NOTES

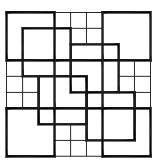
- CONDENSING UNIT MOUNTED ON CONCRETE PAD, SEE DETAIL.
- REFRIGERANT LINE SET ROUTED DOWN EXTERIOR WALL WITHIN PAINTED ALUMINUM HOUSING. VERIFY COLOR WITH ARCHITECT. SEAL WALL PENETRATIONS WEATHER TIGHT. REFER TO REFRIGERANT PIPING SCHEMATIC FOR ACCESSORIES REQUIRED.
- AIR HANDLING UNIT MOUNTED ON ALUMINUM STAND, SEE DETAIL. ROUTE FULL SIZE CONDENSATE WITH P-TRAP TO HUB DRAIN WITHIN PLUMBING CHASE. ROUTE REFRIGERANT LINES ABOVE CEILING WITHIN JOIST SPACE TO CONDENSING UNIT.
- 4 LOUVER PROVIDED BY ARCHITECT.
- EXPLOSION PROOF INLINE MOUNTED EXHAUST FAN, SUPPORTED FROM STRUCTURE WITH SPRING ISOLATORS. PROVIDE WITH 10x10 DUCT FROM FAN DISCHARGE, TRANSITION FROM FLEXIBLE DUCT CONNECTION TO FAN. ROUTE 10x10 DUCT AND CONNECT TO PLENUM ON BACK OF EXHAUST LOUVER.
- 6 AUDIBLE ALARM AND LIGHT INTERLOCKED WITH EXHAUST FAN MOUNTED AT 8'-0"± AFF.
- 7 LOUVER BY-FOLD DOOR TO ALLOW FOR RETURN AIR, 400 CFM.
- 8 OUTSIDE AIR INTAKE (GRILLE), TITUS MODEL 63FS, 16x16, WITH INSECT SCREEN, MOUNTED IN SOFFIT. 10x6 OA DUCT FROM GRILLE, TRANSITIONS TO 8x8 WITHIN CEILING SPACE, TO MECH CLOSET. TERMINATE DUCT WITHIN CLOSET WITH GRAVITY BACKDRAFT DAMPER.
- FAN TO BE SUSPENDED FROM CEILING BELOW CEILING.
 LOCATION MUST BE COORDINATED WITH CEILING
 MOUNTED LIGHTING AND ALL OTHER
 PANELS/EQUIPMENT WITHIN THE ROOM TO INSURE ALL
 REQUIRED NEC REQUIRED CLEARANCES, ACCESS, ETC.

TOILET SQUARE FOOTAGE = 240 FT2

REQUIRED LOUVER MIN. FREE AREA EQUALS 4% OF TOTAL FLOOR AREA = 9.6 FT2.

* TYPICAL EACH TOILET ROOM

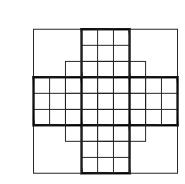
TOTAL FREE AREA OF LOUVERS SHOWN = 10.3 FT2. THIS IS BASED ON GREENHECK MODEL EHH-601D, (BASIS OF DESIGN). IF THE CONTRACTOR CHOOSES TO PROVIDE AN ACCEPTABLE ALTERNATE, THE FREE AREA MUST BE CONFIRMED TO MEET THE MINIMUM REQUIRED FREE AREA (9.6 FT2) FOR EACH TOILET ROOM



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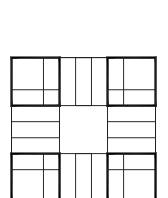


R. B. C.
R.G. KREUSLER PARK
RESTROOM BULDING
AND ENTRY DRIVE
MODIFICATIONS
PBC NO 14204
2005 SOUTH OCEAN BLVD.

LAKE WORTH

PROJECT NO. 201402 JLRD NO. 115042

FLORIDA



SHEET TITLE:
HVAC FLOOR
PLANS

REVISIONS:

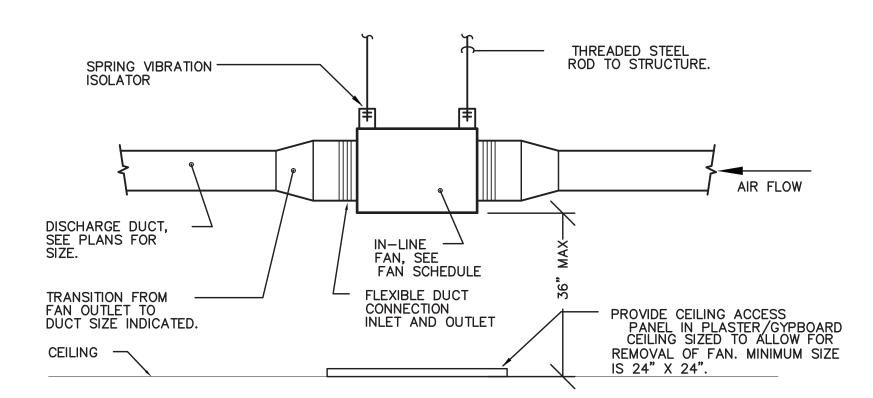
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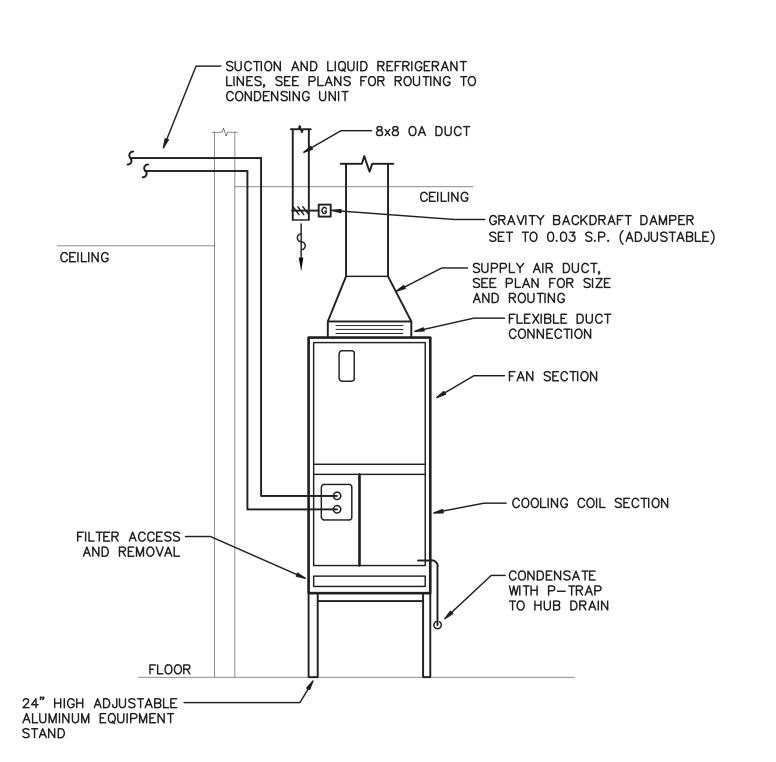
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\IN-LINE FAN DETAIL

SCALE: NONE

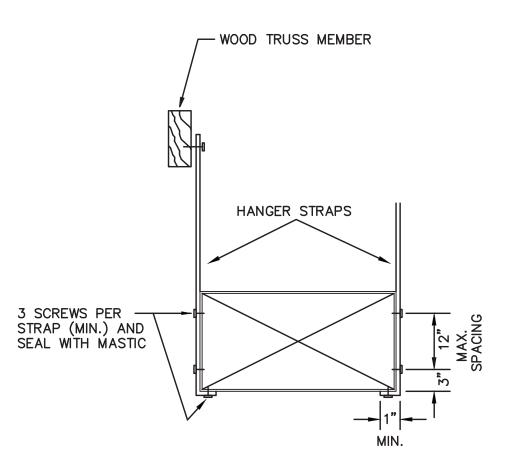
SCALE: NONE



DX AIR HANDLING DETAIL

AHU CONDENSATE DRAIN NOTES

- 1. CONDENSATE DRAIN SHALL BE PIPED FULL SIZE OF UNIT CONNECTION
- 2. CONDENSATE PIPING SHALL BE INSULATED PER SPECIFICATIONS.
- 3. CONDENSATE PIPING SHALL BE SUPPORTED FROM FLOOR AT 5'-0" (MIN) INTERVALS

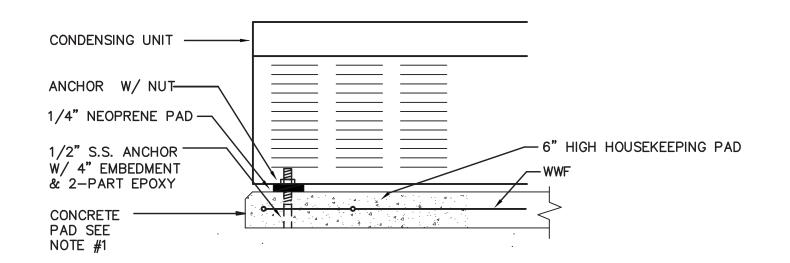


DUCT HANGING DETAIL

DUCT HANGER NOTES:

SCALE: NONE

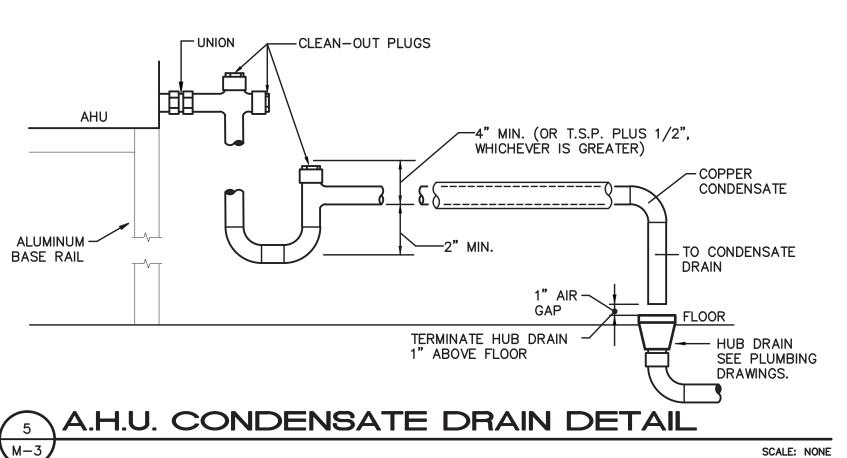
- MAXIMUM SPACING BETWEEN HANGER LOCATIONS SHALL BE 8'-0" PER PAIR.
- 3. STRAPS SHALL BE MINIMUM 1 1/2" X 22 GAGE GALVANIZED STEEL, SEE "RECTANGULAR DUCT HANGERS", SMACNA TABLES 4-1, 4-2.



CONDENSING UNIT SUPPORT DETAIL SCALE: NONE

CONDENSING UNIT SUPPORT NOTES

1. PAD SHALL BE 6" THICK, 3000 PSI CONCRETE WITH 6 X 6 - W 2.9 X W 2.9 WWF 12" THICKENED EDGE WITH 2 #5 REBAR CONTINUOUS.

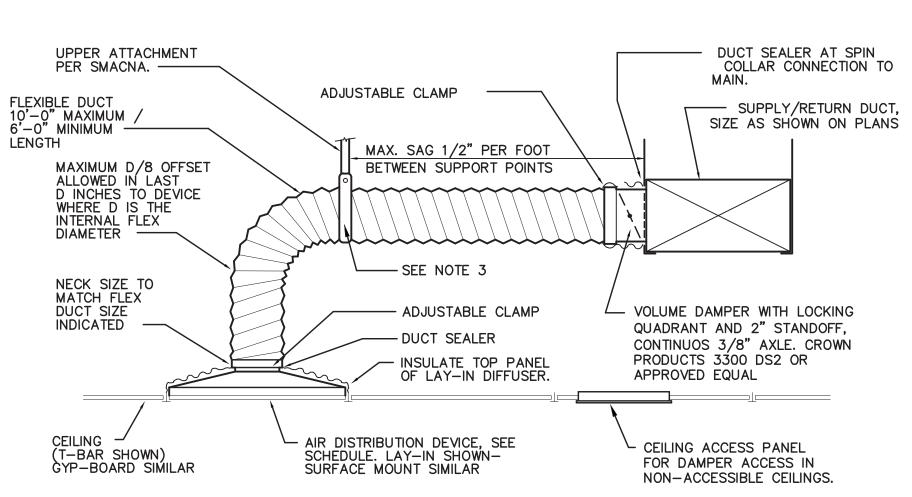


PROVIDE SHRADER FITTINGS IF NOT PROVIDED WITH CONDENSING UNIT. SHRADER FITTING SHALL BE INSTALLED DIRECTLY INTO PIPE; NO EXTENDED TUBES ALLOWED. B. PROVIDE BALL VALVES IF NOT PROVIDED WITH CONDENSING UNIT.

- SHALL BE INSTALLED WITH ARMSTRONG #520 ADHESIVE WITH 100% COVERAGE ON ALL BUTT JOINTS. INSULATION SHALL BE SLIPPED OVER PIPING IN ONE PIECE WITH NO LONGITUDINAL JOINTS.
- WHERE REFRIGERANT INSULATION IS INSTALLED EXPOSED OUTSIDE, IT SHALL BE PAINTED WITH TWO COATS OF PAINT, CONTAINING UV INHIBITORS, AND IN ACCORDANCE WITH THE INSULATION MANUFACTURER'S RECOMMENDATIONS. ARMSTRONG WP OR EQUAL.
- F. SLOPE ALL REFRIGERANT LINES TOWARD CONDENSING UNITS

REFRIGERANT PIPING SCHEMATIC

CONTRACTOR IS TO HAVE UNIT MANUFACTURER TO PROVIDE FINAL REFRIGERANT LINE SIZES FOR EQUIPMENT FURNISHED AT SPECIFIED LOCATIONS SHOWN IN THE CONSTRUCTION DOCUMENTS.



FLEXIBLE DUCT DETAIL

SCALE: NONE

COLOME

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R.Q. KREUSLER PARK

RESTROOM BULLDING

MODIFICATIONS

PBC NO 14204 2695 SOUTH OCEAN BLVD.

LAKE WORTH

PROJECT NO. 201402

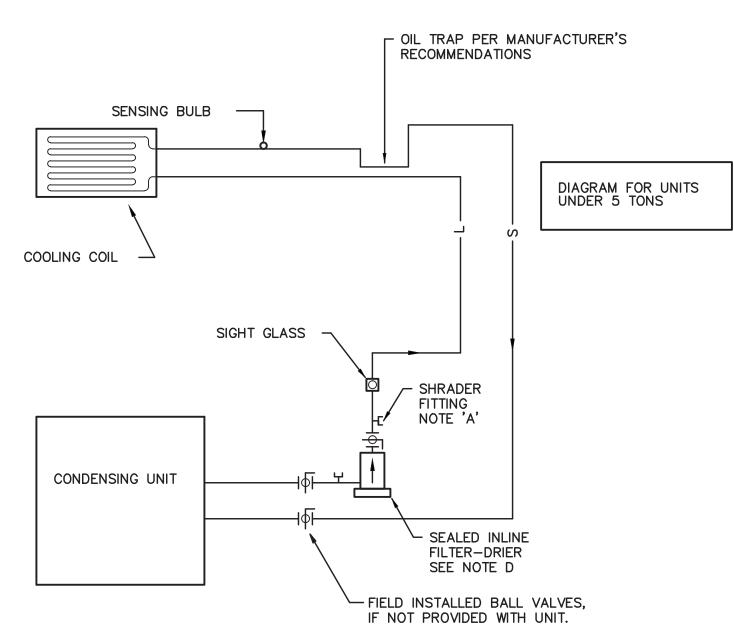
FLORIDA

JLRD NO.

115042

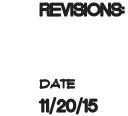
FLEXIBLE DUCT NOTES

- 1. FLEXIBLE DUCTS SHALL BE ONE-PIECE AND SHALL NOT BE SPLICED TOGETHER.
- 2. EXTEND FLEXIBLE DUCT INSULATION TO DUCT/DIFFUSER PANEL INSULATION AND SEAL
- 3. MINIMUM $1-1\setminus 2$ " WIDE 22 GAUGE GALVANIZED STRAP HANGER WITH HEMMED EDGES PER
- 4. FLEXIBLE AIR DUCT SHALL BE FULLY EXTENDED AND NOT COMPRESSED WITH ELBOW RADIUS NO LESS THAN R/D=1.0.



REFRIGERANT PIPING NOTES

- ALL REFRIGERANT PIPING, ACCESSORIES, VALVES, ETC., SHALL BE INSTALLED IN COMPLIANCE WITH THE REFRIGERATION PIPING SCHEMATIC.
- INSTALL ARMAFLEX TYPE "AP" 3/4" THICK FOAM PLASTIC INSULATION ON ALL SUCTION LINES FROM EACH CONDENSING UNIT TO THE AIR HANDLING UNIT COIL. ALL INSULATION



SHEET TITLE:

DETAILS

MECHANICAL

CHECKED BY:

DRAWN BY:

	LEGEND
RWL	RAIN WATER LEADER
PDI	PLUMBING DRAINAGE INSTITUTE
AVTR	ACID VENT THRU ROOF
VTR	VENT THRU ROOF
WC	WATER CLOSET
UR	URINAL
LAV	LAVATORY
SS	SERVICE SINK
EWC	ELECTRIC WATER COOLER
WH	WALL HYDRANT
SH	SHOWER
S	SINK
FD	FLOOR DRAIN
ECO	EXTERIOR CLEANOUT
СО	CLEANOUT
FS	FLOOR SINK
RD	ROOF DRAIN
CWD	CAN WASH DRAIN
HD	OPEN HUB DRAIN 1" ABOVE FLOOR
FFD	FUNNEL FLOOR DRAIN
GT	GREASE TRAP
НВ	HOSE BIBB
SOV	SHUT OFF VALVE
WHA	WATER HAMMER ARRESTER
	COLD WATER (CW)
	HOT WATER (HW)
	HOT WATER RECIRCULATED (HWR)
	SOIL OR WASTE (AFF)
	SOIL OR WASTE (BURIED)
	VENT LINE
─	UNION JOINT
─	FLANGE JOINT
	"Y" STRAINER
→ 0+ → 0+	TEE - UP, BRANCH OUT OF TOP
	TEE - DOWN, BRANCH OUT OF BOTTOM
FD 🖽	FLOOR DRAIN & TRAP (TYPE AS NOTED)
─ ⋈─	GATE VALVE
-	BALL VALVE
<u>_</u>	CHECK VALVE
	WHA 'B'
	POINT OF CONNECTION TO EXISTING

					TUDE	0 0 1 1 1							
			СОМВ	ING FIX	IURE	SCHI	EDULE						
MARK	DESCRIPTION	MANUFACTURER	MODEL	FITTINGS OR VALVES	SUPPLIES	TRAP	CARRIER	ACCESSORIES	COLD H	нот W	ASTE	VENT	REMARKS
WC-2	ADA WATER CLOSET: Wall mounted siphon jet, rear spud 1.6 gallon, ADA height	American Standard	#3353.001 "Afwall"	Sloan #144-1.6	N/A	N/A	J.R. Smith #0210 Series	American Standard #5905100-020	1-1/4"		4"	2"	
WC-1	WATER CLOSET: Wall mounted siphon jet, rear spud 1.6 gallon, ADA height	American Standard	#3353.001 "Afwall"	Sloan #144-1.6	N/A	N/A	J.R. Smith #0210 Series	American Standard #5905100—020	1-1/4"		4"	2"	
UR-1	ADA URINAL: Wall mounted, vitreous china, 1 gallon per flush, with back spud See Architectural plans for location of ADA urinal	American Standard	#6515.001 "Washbrook"	Sloan #195-1.0	N/A	N/A	J.R. Smith #0616		1/2"		2"	1-1/2"	
LAV-2	ADA LAVATORY: Cold water only, wall mounted with floor mounted concealed arm carrier. Single hole, 20 inch x 18 inch, 0.5 gpm	American Standard	#0356.421 "Lucerne"	Chicago #807-E2805-665PSHCP	McGuire #158LK	McGuire #8088	J.R. Smith #710	Offset Grid Drain McGuire #155—WC	1/2"	1	-1/4"	1-1/2"	Provide Truebro #101 LAV—GUARD Kit with #105 Accessary in white
LAV-1	COUNTERTOP LAVATORY: 19 inch diameter countertop mounted, vitreous china, cold water only, Single hole 0.5 gpm	American Standard	#0490.156 "Rondalyn"	Chicago #807-E2805-665PSHCP	McGuire #158LK	McGuire #8088	N/A	Offset Grid Drain McGuire #155—WC	1/2"	1	-1/4"	1-1/2"	
MOP-1	MOP SINK: Basin: 24 inch x 24 inch x 10 inch one piece molded stone corner mop sink with 3" stainless steel drain body, dome strainer and lint basket.	Fiat	#MSB-2424	#830-AA	1/2" copper	2" DWV P-Trap	N/A	#832—AA Hose, #889—CC Mop Hanger	1/2"	1/2" 1	-1/4"	1-1/2"	#MSG-2424 S.S. Wall Guards
EWC-1	DUAL ELECTRIC WATER COOLER: Wall mounted, Two—level, electric water cooler rated for outdoor use with remote chiller.	Elkay	#EDFP217C		McGuire #158LK	N/A	Wall Box	Remote Chiller Elkay #ECH8	1/2"	1	-1/4"	1-1/2"	
SH-1	ADA SOWER: Valve with ADA wrist blade handle, with ADA Hand shower and 24" glide rail	Leonard	#4500-501P(G)	N/A	N/A	N/A	N/A		1/2"	1/2"			
SH-2	SHOWER: Metering valve pushbutton type, with with vandal proof shower head	Leonard	#LV477B—3 Metering valve	Leonard #H-06-1.5 Shower Head	Mixing valves	N/A	N/A		1/2"	1/2"			

PLUMBING NOTES

- 1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE 2010 FLORIDA PLUMBING CODE AND ANY LOCAL CODES HAVING JURISDICTION.
- 2. FIELD VERIFY AND CONFIRM THE ACTUAL SIZE, LOCATION, AND ELEVATION OF EXISTING UTILITIES AND PLUMBING PIPING PRIOR TO INSTALLATION OR CONNECTION OF ANY NEW PIPING. ANY DISCREPANCIES OR POSSIBLE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT.
- 3. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND AS SUCH ALL FITTINGS AND OFFSETS MAY NOT BE INDICATED. PROVIDE FITTINGS AND OFFSETS AS REQUIRED TO PROVIDE A COMPLETE AND PROPERLY INSTALLED PLUMBING SYSTEM.
- 4. CONFIRM LOCATIONS AND ELEVATIONS OF ALL CROSSING LINES PRIOR TO INSTALLATION OF NEW PIPING. GRAVITY DRAIN PIPING ROUTING SHALL TAKE PRECEDENT OVER PRESSURIZED PIPE SYSTEMS. PROVIDE OFFSETS AS REQUIRED. ANY DISCREPANCIES OR POSSIBLE CONFLICTS SHALL BE BROUGHT TO THE ENGINEER AND ARCHITECT.
- 5. COORDINATE PLUMBING SYSTEMS INSTALLATION WITH ALL OTHER INVOLVED TRADES, SUCH AS FIRE PROTECTION, MECHANICAL DUCTWORK AND PIPING, AND ELECTRICAL SYSTEMS. THIS CONTRACTOR SHALL OBTAIN COPIES OF THE LATEST PLANS, SPECIFICATIONS, AND ADDENDUMS OF ALL OTHER TRADES TO COORDINATE THESE SYSTEMS WITH OTHER TRADES INSTALLATIONS.
- 6. PROVIDE SHUT OFF VALVES IN COLD WATER LINES SERVING EACH GROUP TOILET ROOM AND EACH SINGLE TOILET ROOM. LOCATE THE VALVES IN AN ACCESSIBLE LOCATION. WHEN INSTALLED ABOVE CEILINGS, LOCATE ABOVE A LAY—IN CEILING TILE, OR IN HARD CEILINGS PROVIDE A HINGED ACCESS PANEL SIZED TO ALLOW FULL ACCESS TO THE VALVES (MINIMUM SIZE 18" X 18"). PROVIDE A LABEL ON THE CEILING TILE GRID OF ON THE ACCESS PANEL INDICATING "HOT AND COLD WATER SHUT OFF VALVES".

- 7. THE POTABLE WATER SYSTEMS IN THIS FACILITY SHALL BE DISINFECTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND APPLICABLE SPECIFICATION SECTIONS INCLUDED IN THE DESIGN PACKAGE. DISINFECT ALL NEW PORTIONS OF PIPING AND ALSO ANY EXISTING PIPING THAT HAS LOST PRESSURE DURING CONSTRUCTION.
- 8. PIPE HANGERS FOR COPPER PIPING SHALL BE COPPER TYPE OR VINYL COATED, HANGERS FOR OTHER TYPES OF PIPING SHALL BE GALVANIZED OR ZINC PLATED. PROVIDE MISCELLANEOUS STRUCTURAL STEEL CROSSMEMBER TO SPAN ACROSS BEAMS, JOIST, OR PURLINS WHERE REQUIRED FOR INTERMEDIATE SUPPORT.
- PROVIDE A 2" HIGH GALVANIZED SAFETY PAN BELOW ALL WATER HEATERS.
 PROVIDE A 3/4" DRAIN LINE FROM THE SAFETY PAN AND TERMINATE OVER
 NEAREST FLOOR DRAIN OR SERVICE SINK. ROUTE COPPER DISCHARGE LINE FROM
 WATER HEATER PRESSURE TEMPERATURE RELIEF VALVE AND TERMINATE OVER
 SAFETY PAN.
- 10. PRESSURE TEST PLUMBING PIPING SYSTEMS PRIOR TO CONCEALMENT IN ACCORDANCE WITH THE SPECIFICATIONS.

 A. WATER PIPING SHALL BE TESTED AT 100 PSI MINIMUM FOR

A PERIOD OF 8 HOURS.

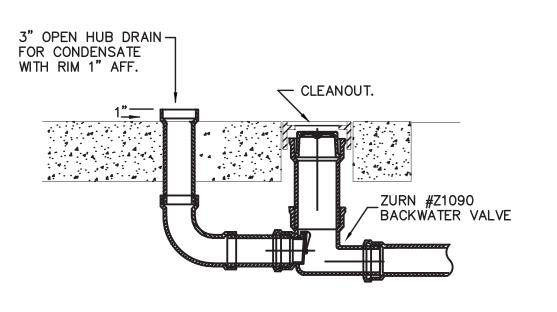
- B. SANITARY AND STORM SYSTEMS SHALL BE TESTED AT 10 FEET OF HEAD PRESSURE FOR A PERIOD OF 8 HOURS.
- 11. PROVIDE WATER HAMMER ARRESTERS THROUGHOUT THE WATER PIPING SYSTEM LOCATED TO PREVENT ANY WATER HAMMER VIBRATIONS AND NOISE. PROVIDE WATER HAMMER ARRESTERS IN HOT WATER AND COLD WATER PIPES. LOCATE AT ALL GROUP RESTROOMS, SINGLE RESTROOMS, IN PIPING SERVING FLUSH VALVES, AND IN PIPING SERVING OTHER FIXTURES OR EQUIPMENT THAT HAS QUICK CLOSING VALVES OR ACTUATORS THAT WOULD CAUSE POTENTIAL WATER HAMMER. DO NOT PROVIDE PIPE AIR CHAMBERS AT PLUMBING FIXTURES AS THESE ARE NOT AN ACCEPTABLE ALTERNATE TO WATER HAMMER ARRESTERS.

- 12. PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS. TRAP PRIMER LINE SHALL CONNECT FROM THE DISCHARGE SIDE OF A WATER CLOSET FLUSH VALVE. IF A FLUSH VALVE IS NOT READILY AVAILABLE, CONNECT TRAP PRIMER LINE FROM THE TAILPIECE OF A LAVATORY. OTHERWISE, PROVIDE AN AUTOMATIC TRAP PRIMER VALVE AND DISTRIBUTION UNIT FROM AN AVAILABLE COLD WATER LINE. IN FINISHED SPACES SUCH AS RESTROOMS, ROUTE THE TRAP PRIMER LINE BACK INTO THE WALL AND PROVIDE A CHROME PLATED ESCUTCHEON PLATE, THEN DROP TO BELOW FLOOR TO THE FLOOR DRAIN. IN UNFINISHED SPACES SUCH AS MECHANICAL ROOMS, ROUTE THE TRAP PRIMER LINE DOWN ALONG THE WALL SURFACE TO BELOW FLOOR TO THE FLOOR DRAIN. ALL TRAP PRIMER LINES IN WALLS AND BELOW FLOORS SHALL BE WRAPPED WITH PROTECTIVE INSULATING TAPE TO PREVENT CONTACT BETWEEN THE PIPE AND CONCRETE OR BELOW FLOOR SOIL.
- 13. ALL HOSE BIBBS AND WALL HYDRANTS SHALL BE EQUIPPED WITH AN INTEGRAL VACUUM BREAKER. PROVIDE A SHUT OFF VALVE IN THE WATER SUPPLY PIPE SERVING EACH HOSE BIBB AND WALL HYDRANT. INTERIOR BIBBS SHALL BE MOUNTED 12" ABOVE FLOOR, EXTERIOR BIBBS SHALL BE LOCATED 12" ABOVE GRADE.
- 14. THIS CONTRACTOR SHALL COORDINATE EXACT LOCATION AND QUANTITY OF FLOOR DRAINS WITH THE ARCHITECTURAL PLANS. COORDINATE LOCATIONS OF MECHANICAL ROOMS FLOOR DRAINS AND HUB DRAINS FOR HVAC EQUIPMENT CONDENSATE DISCHARGE WITH THE MECHANICAL CONTRACTOR AND THE EXACT LOCATION OF ANY HVAC EQUIPMENT AND CONCRETE PADS.
- 15. ALL HANDICAP ACCESSIBLE PLUMBING FIXTURES SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA). COORDINATE HANDICAP ACCESSIBLE FIXTURE WITH THE ARCHITECTURAL DRAWINGS AND PLAN REQUIREMENTS PRIOR TO ORDERING PLUMBING FIXTURES. BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER AND ARCHITECT.
- 16. ALL PIPES, PIPE FITTINGS, PLUMBING FITTINGS AND PLUMBING FIXTURES SHALL MEET THE REDUCTION OF LEAD IN DRINKING WATER ACT. ALL COMPONENTS SHALL MEET THE REQUIREMENT OF NO MORE THAN 0.25 PERCENT LEAD ON ALL POTABLE WETTED SURFACES.

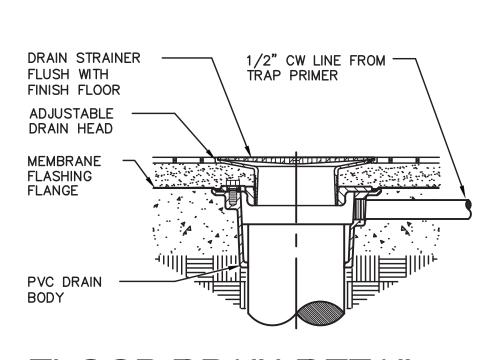
	WAT	ER H	HEA	ΓΕΙ	R	SC	Н	ED	UL	E
DESIGNATION	MFGR./MODEL	STORAGE CAP. (GAL.)	RECOVERY .	TYPE	GAS PIPE CONN	INPUT MBTUH	ELEC KW	VOLT/ PHASE	WATER CONN.	ACCESSORIES
Α	LOCHINVAR LTA030L	30	28 G.P.H. @ 60° RISE	_	_	_	4	240/1	3/4"	P & T RELIEF VALVE

NOTE: VERIFY ALTERNATE MANUFACTURER WILL FIT IN SPACE ALLOCATED FOR WATER HEATER

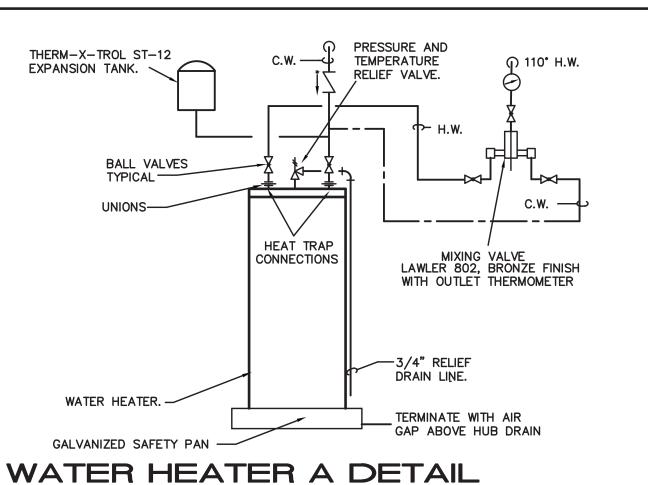
	FL	OOR D	RA	IN S	CHE	DULE		
MARK SELECTION BASED ON		SIZE	PIPE	TOP	ACCESSORIES	REMARKS		
	MAKE MODEL			CONNECTION	MATERIAL			
FD	ZURN	ZB415-6S-P	6"	3"	NICKLE	PRIMER TAP	_	
	ZOMN	20413-03-1	0	5	BRONZE			

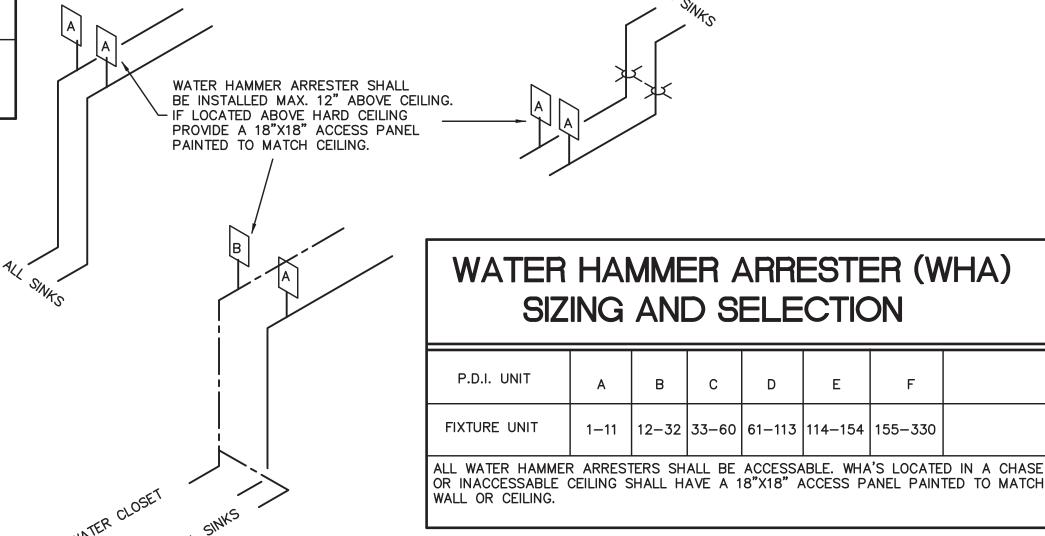


CONDENSATE DRAIN AND BACKWATER VALVE DETAIL

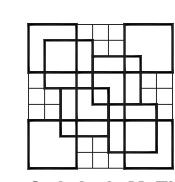


FLOOR DRAIN DETAIL





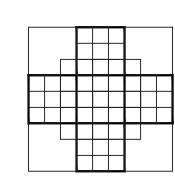
TYPICAL WHA LOCATION DETAIL



COLOME'
& Associates, inc.
AA 0003439
530 24TH STREET
WEST PALM BEACH
FLORIDA 33407
(561) 833-9147



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P. B. C.

R.G. KREUSLER PARK

RESTROOM BULDING

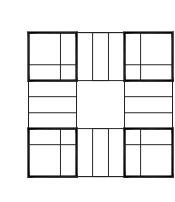
AND ENTRY DRIVE

MODIFICATIONS

PBC NO 14204
2005 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

PROJECT NO. 201402 JLRD NO. 115042



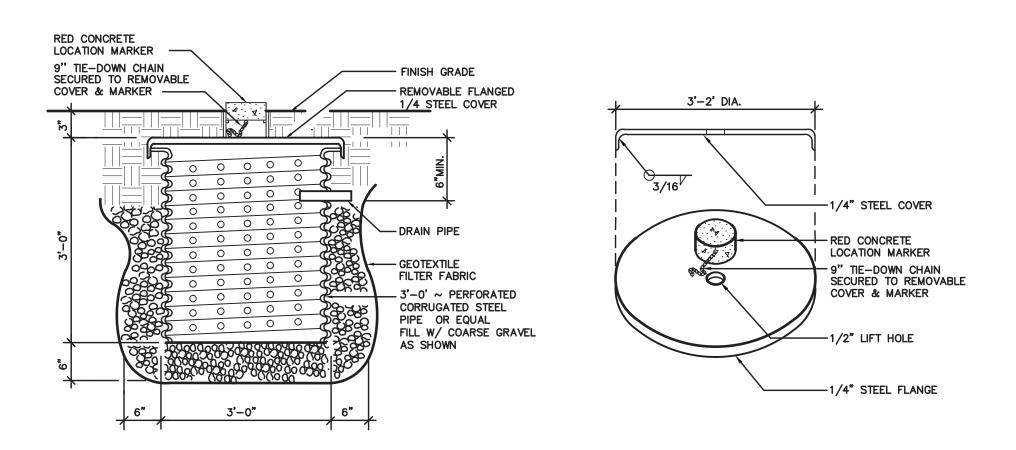
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REVISIONS:

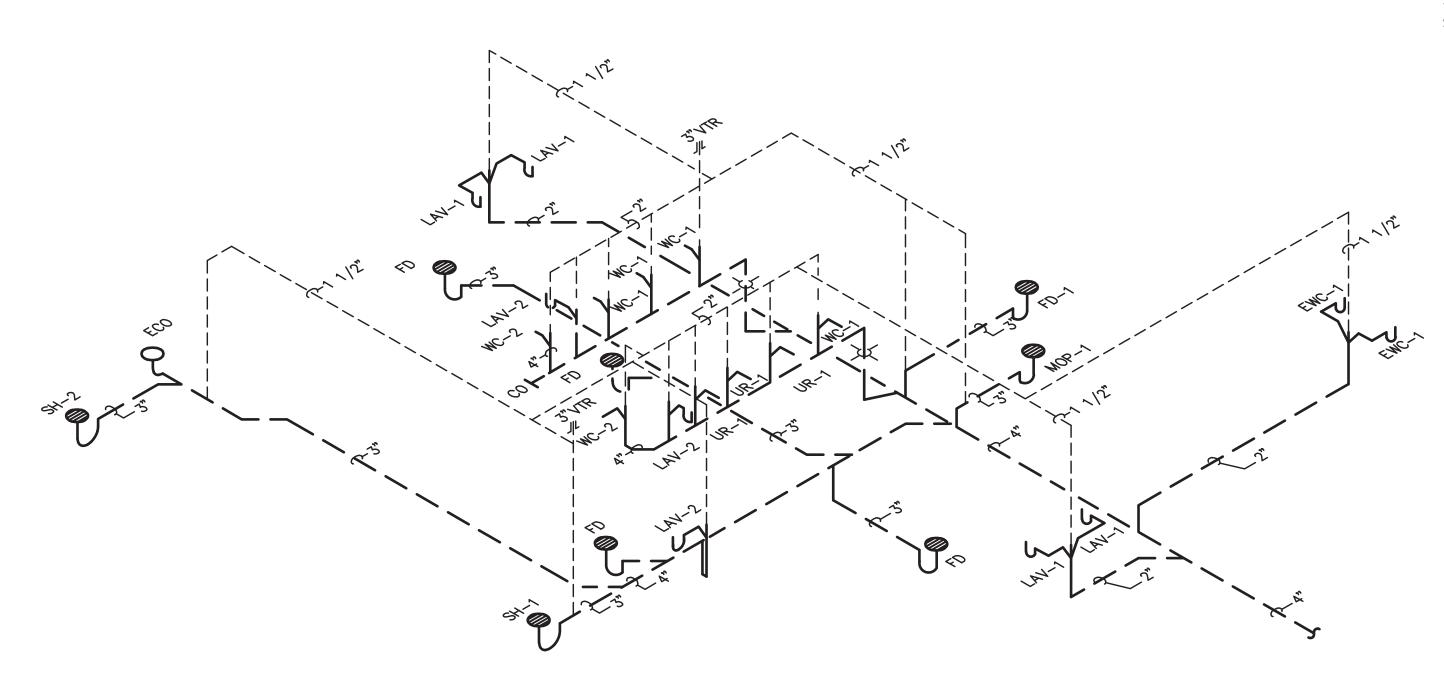
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RMT
CHECKED BY:
G90

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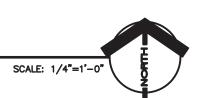
P-1

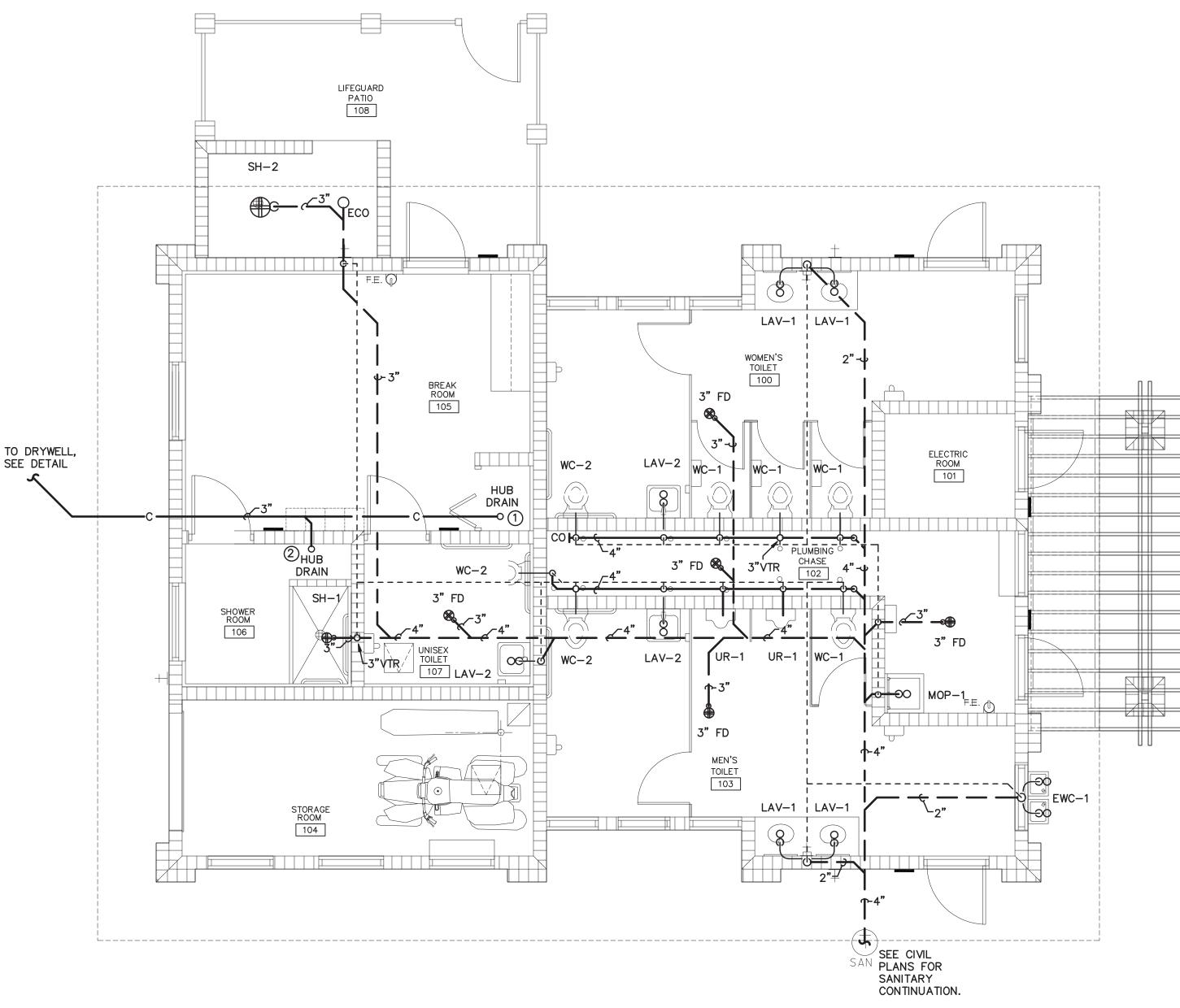


CONDENSATE DRYWELL





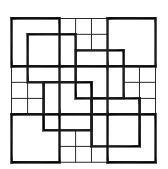




PLUMBING FLOOR PLAN - WASTE PLAN

NEW WORK NOTES

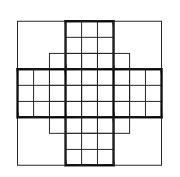
- 1) COORDINATE EXACT LOCATION OF HUB DRAIN WITH THE MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- 2 HUB DRAIN FOR DRAIN PAN AND PRESSURE RELIEF VALVE. COORDINATE EXACT LOCATION OF HUB DRAIN WITH WATER HEATER PRIOR TO INSTALLATION.



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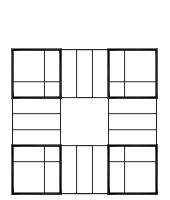
JOHNSON, LEVINSON RAGAN, DAVILA, INC. CONSULTING ENGINEERS 1450 Centrepark Boulevard, Suite 350 West Palm Beach, Florida 33401 (561) 689-2303 • (561) 689-2302 Fax www.jlrdinc.com Certification Number 6059 Michael P. Linden, P.E. #58094 Charles C. Gableman, P.E #51936



R. B. C.
R.G. KREUSLER PARK
RESTROOM BULDING
AND ENTRY DRIVE
MODIFICATIONS
PBC NO 14204
2895 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

> PROJECT NO. 201402 JLRD NO. 115042



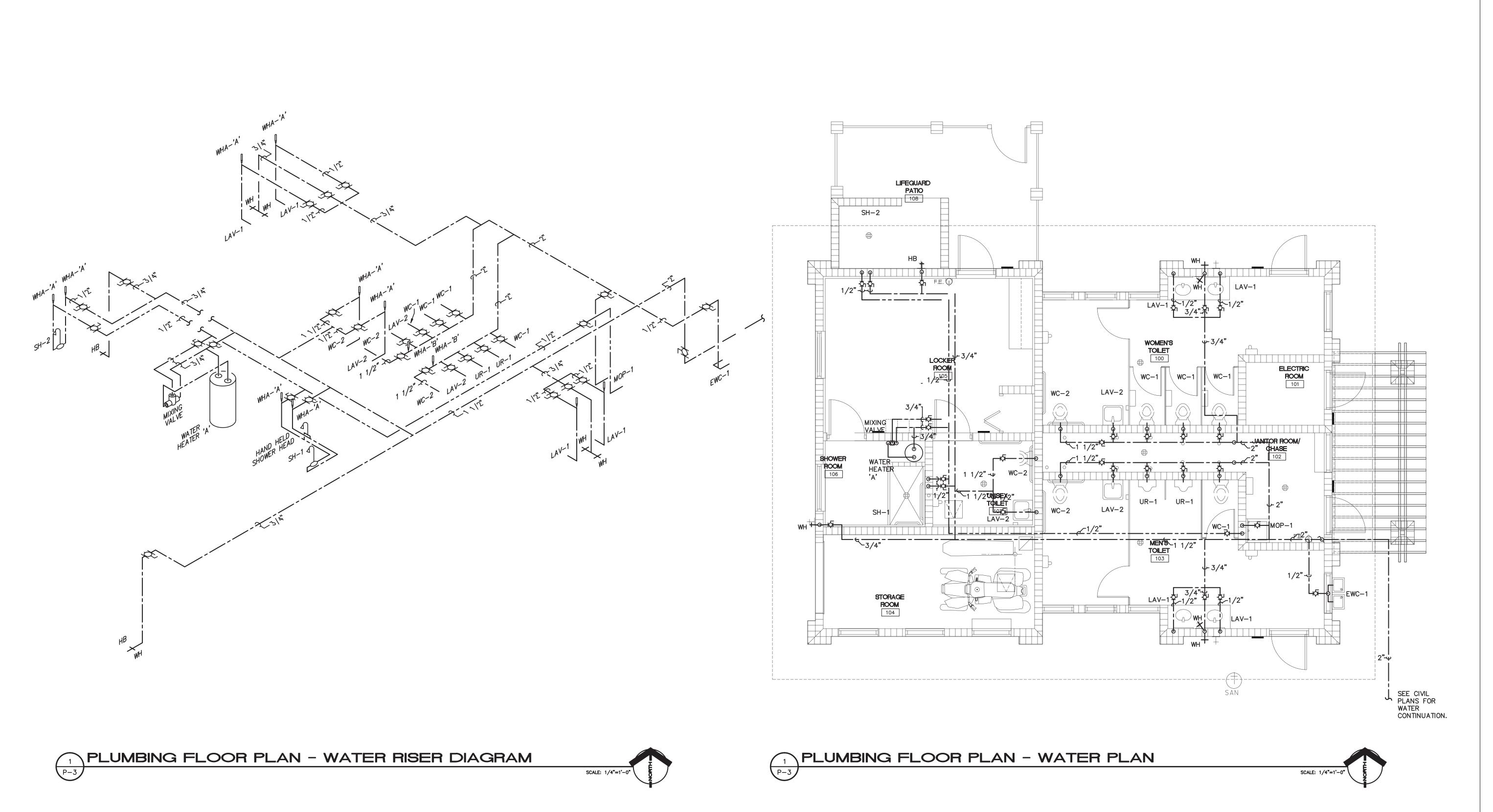
SANITARY PLAN AND RISER DIAGRAM

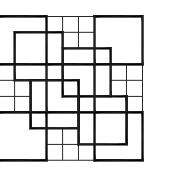
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P-2

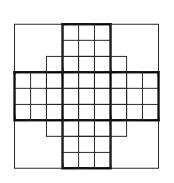




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RG. KREUSLER PARK
RESTROOM BULDING
AND ENTRY DRIVE
MODIFICATIONS
PBC NO 14204
2005 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

PROJECT NO. 201402 JLRD NO. 115042

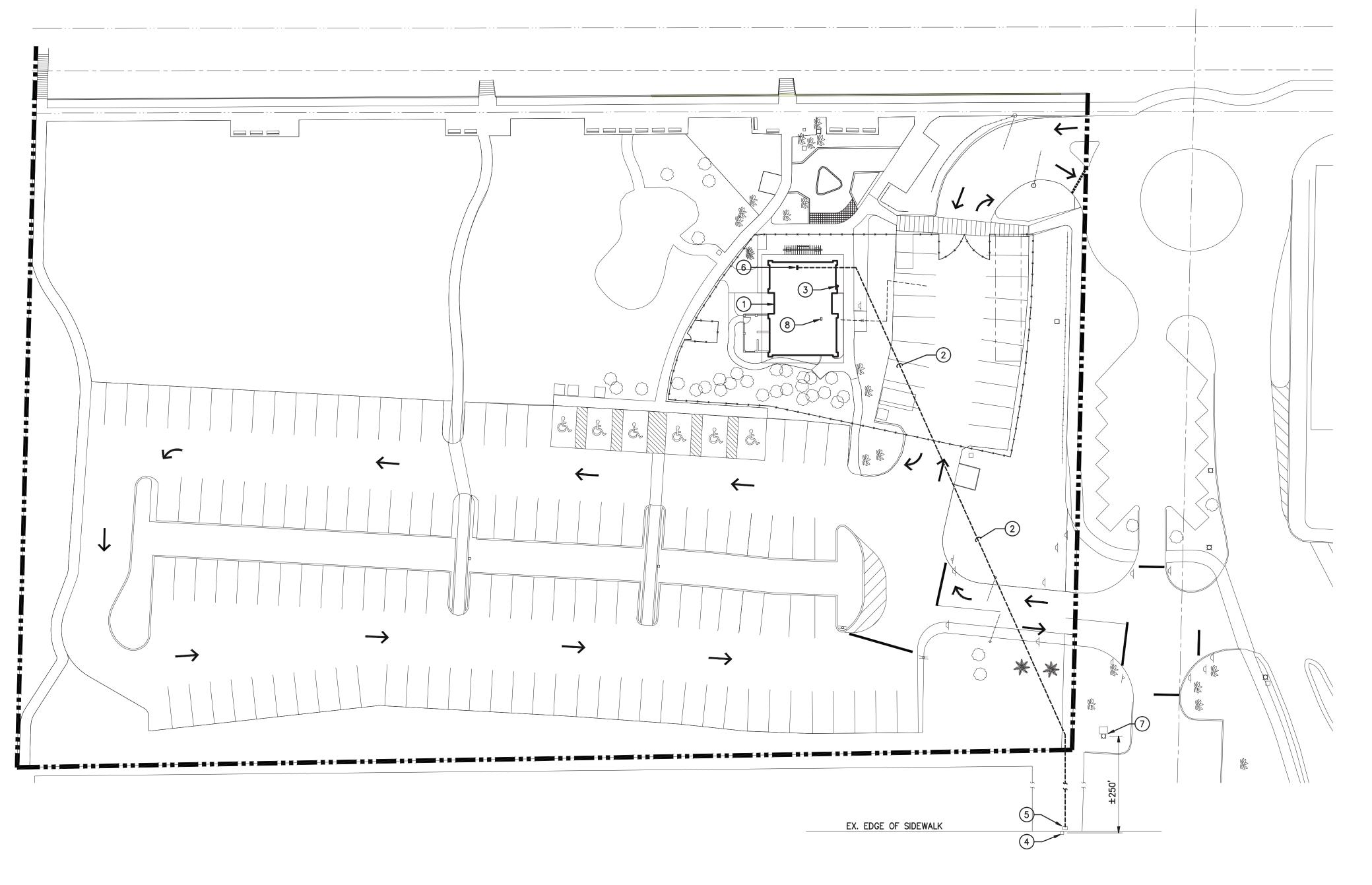
CHEET TITLE:
WATER PLAN AND
RISER DIAGRAM

REVISIONS:

DATE
11/20/15
DRAWN BY:
RMT
CHECKED BY:
GSQ

SHEET NUMBER

P-3



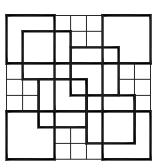
YPARTIAL ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"

PLAN NOTES:

- \bigcirc PROPOSED RESTROOM BLDG. SEE SHEET E-2 FOR LIGHTING AND POWER PLANS.
- NEW SECONDARY SERVICE ENTRANCE
 CONDUCTORS IN 2" CONDUIT TO RESTROOM
 BUILDING BY CONTRACTOR. CONTRACTOR
 SHALL DIRECTIONAL BORE (MIN. OF 36"
 BELOW GRADE) FROM EXISTING ELEC.
 HANDHOLE (SEE NOTE #5, BELOW) TO
 UTILITY METER.
- NEW UTILITY METER COORDINATE EXACT LOCATION WITH FPL.
- EXISTING FPL POLE WITH 25KVA MOUNTED TRANSFORMER TO REMAIN. LOCATED APPROX. 250' DUE WEST FROM INDICATED LIGHT POLE ALONG THE EAST SIDE OF OCEAN BLVD. CONTRACTOR SHALL FIELD LOCATE.
- 5 EXISTING ELECTRICAL HANDHOLE.
- 6 APPROXIMATE LOCATION OF PANEL 'L' IN ELECTRICAL ROOM.
- 7 EXISTING LIGHTING POLE, SHOWN FOR REFERENCE ONLY.
- APPROXIMATE LOCATION OF EXISTING IRRIGATION PUMP CONTROLLER. RELOCATE CONTROLLER, TEMPORARILY TO SECURED/FENCED AREA DURING DEMOLITION AND CONSTRUCTION WITH FINAL LOCATION TO BE DETERMINED BY OWNER. REWORK/EXTEND EXISTING VALVE CONTROL WIRES AS REQUIRED AND RECONNECT FROM 120V POWER CIRCUIT. CONTRACTOR SHALL FIELD COORDINATE.

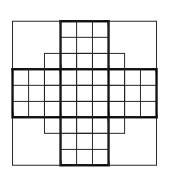
	DRAWING LIST						
	SHEET NO.	DESCRIPTION					
Γ	E-1	PARTIAL ELECTRICAL SITE PLAN					
	E-2	LIGHTING, POWER AND SYSTEMS PLAN					
	E-3	SCHEDULES, LEGEND AND DETAILS					
	E-4	RISER DIAGRAMS					



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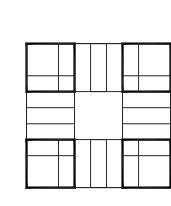
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R. B. C.
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RESTROOM BULDING
AND ENTRY DRIVE
MODIFICATIONS
PBC NO 14204
2005 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

PROJECT NO. 201402 JLRD NO. 115042



PARTIAL
ELECTRICAL SITE
PLAN

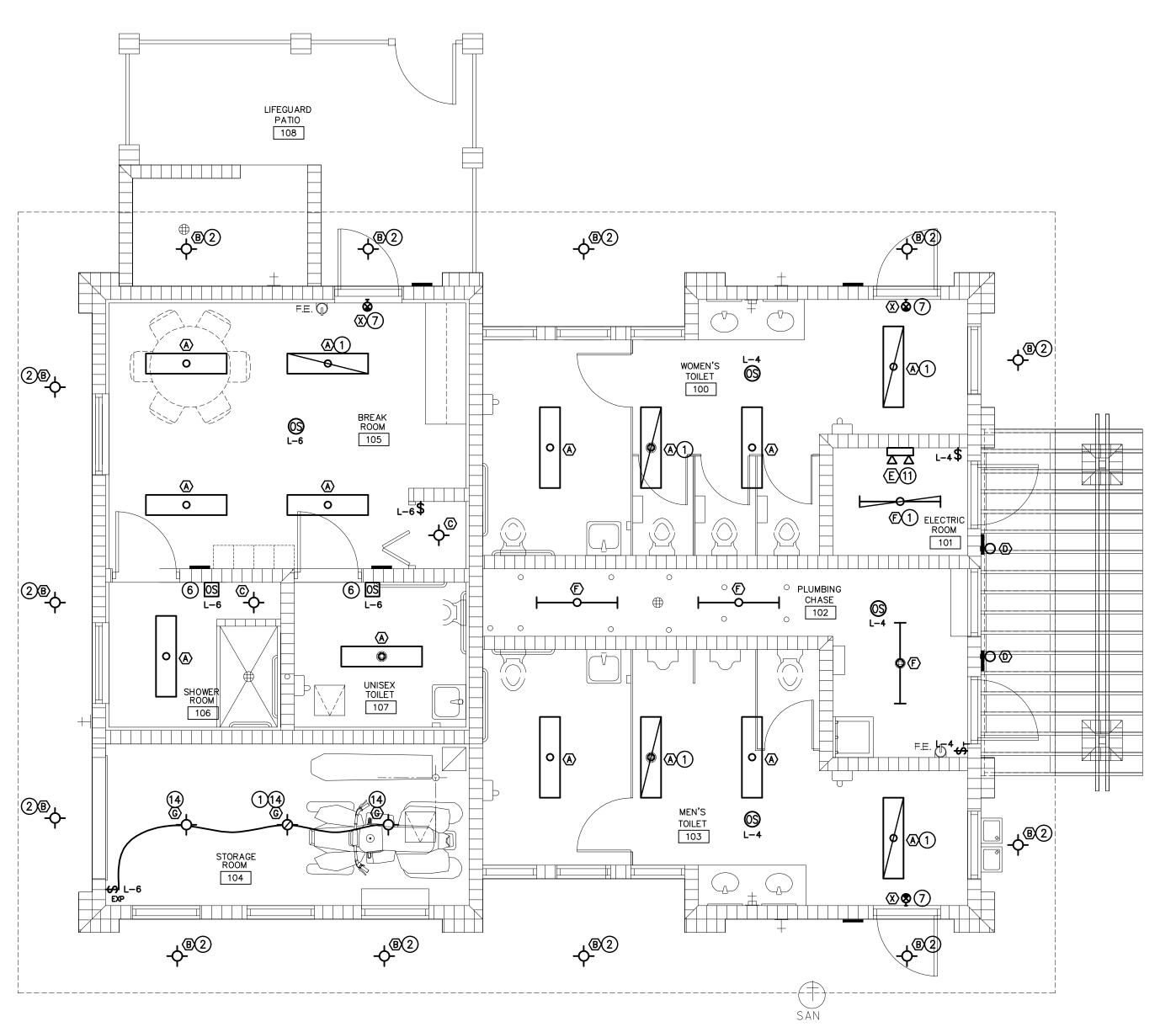
REVISIONS:

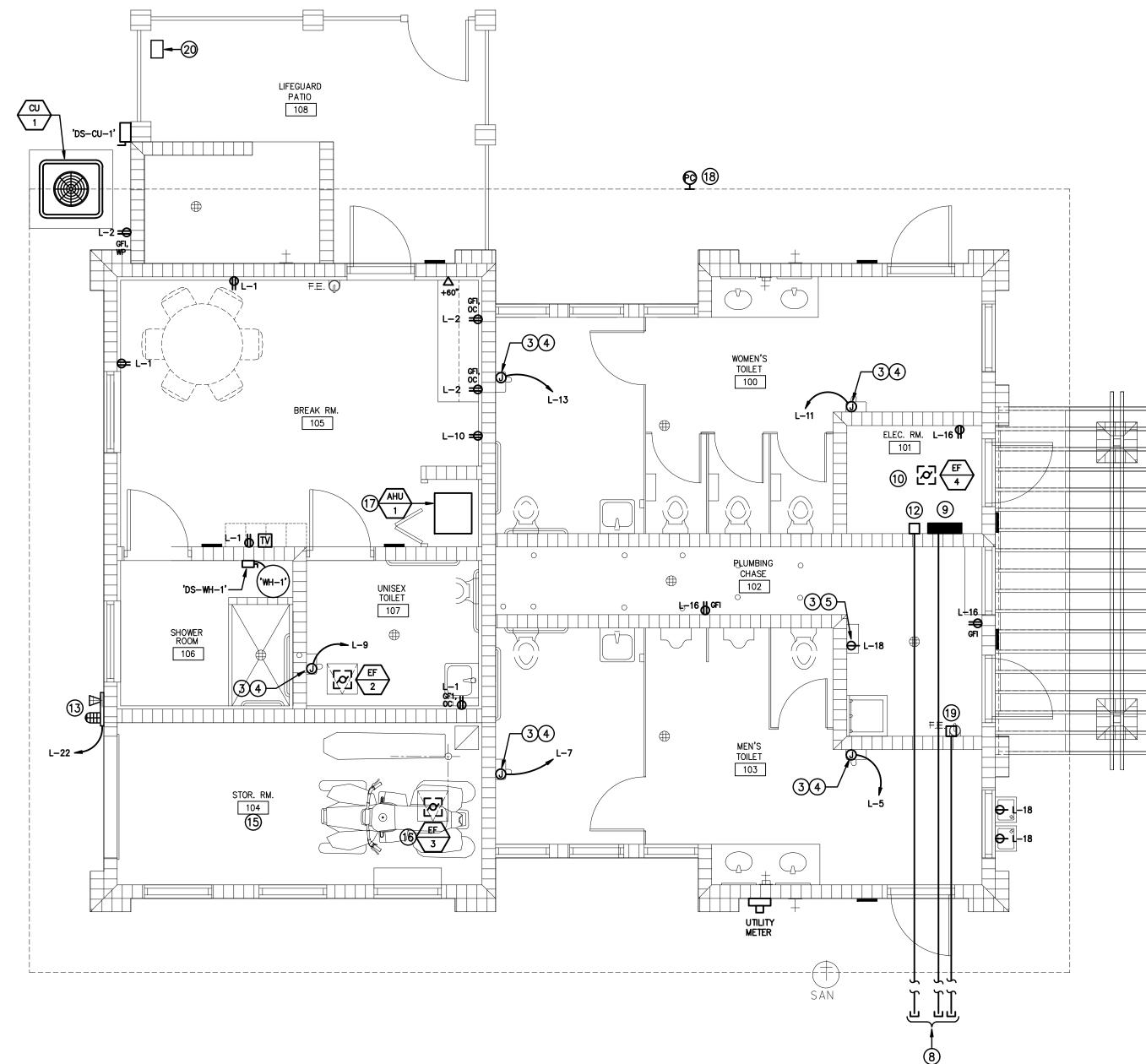
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JDY
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SHEET
NUMBER:

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PLAN NOTES:

- 1) FIXTURE WITH EMERGENCY BATTERY BALLAST, CONNECT AHEAD OF LOCAL SWITCHING DEVICES.
- 2 CONNECT FIXTURE TO CIRCUIT 'L-8' VIA CONTACTOR 'CT-TC'. REFER TO LIGHTING CONTROL DIAGRAM, 2/E-3 FOR LIGHTING CIRCUIT.
- 3 FIELD COORDINATE EQUIPMENT LOCATION AND VERIFY EQUIPMENT ELECTRICAL REQUIREMENTS WITH MANUF. AND ADJUST CIRCUIT ACCORDINGLY.
- 4 J-BOX FOR HAND DRYER. PROVIDE DISCONNECT FOR HAND DRYER IF NOT INTEGRAL TO DRYER. COORDINATE LOCATION WITH ARCHITECTURAL DWGS.
- 5 DEDICATED RECEPTACLE FOR REMOTE DRINKING FOUNTAIN CHILLER. LOCATE WITHIN ENCLOSURE.
- 6 OCCUPANCY SENSOR TO ENERGIZE
- ONNECT EXIT LIGHT TO CIRCUIT 'L-12', UNSWITCHED.
- LIGHTING FIXTURE AND EXHAUST FAN.
- 9 PANEL 'L' 120/240V, 1ø, 3W

8 STUB OUT (6) 2" PVC CONDUITS; (2) FROM PANEL 'L', (2) FROM 'CT-TC' AND

CONCRETE WALKWAY. CAP AND

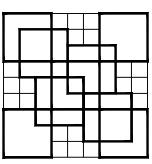
(2) FROM CORNER OF ROOM FOR FUTURE

TELCOM. TO 10' MINIMUM OUTSIDE OF

ELECTRONICALLY MARK OUTSIDE END.

- 10 LAYOUT EQUIPMENT TO COMPLY WITH NEC WORK CLEARANCES.
- (11) CONNECT EMERGENCY BATTERY UNIT TO LOCAL LIGHTING CIRCUIT UNSWITCHED. 12) TIMECLOCK 'TC' AND LIGHTING CONTACTORS
- 'CT-TC'. WARNING LIGHT/ALARM NOTIFICATION PANEL. CONNÉCT TO 120V, 20A, 1P BREAKER, CIRCUIT 'L-22' W/2#12, 1#12G -
- (14) USE EXPLOSION PROOF FIXTURE WITH EXPLOSION PROOF WIRING AND CONNECTIONS IN THIS ROOM.
- USE EXPLOSION PROOF WIRING METHODS IN THIS ROOM.

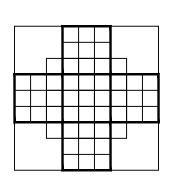
- 16 IN-LINE EXPLOSION PROOF EXHAUST FAN. USE EXPLOSION PROOF WIRING METHODS.
- 17) AHU WITH INTEGRAL DISCONNECT. CONNECT TO CIRCUIT 'L-35,37' VIA 2#12, 1#12G -3/4°C.
- 18) PHOTOCELL FOR EXTERIOR LIGHTING CONTACTOR 'CT-TC'.
- (19) IRRIGATION TIME CLOCK. CONNECT TO CKT. 'L-21'. CONTRACTOR SHALL FIELD VERIFY LOCATION.
- 20 IRRIGATION CONTROLLER, RELOCATED HERE TEMPORARILY UNTIL FINAL LOCATION IS DETERMINED BY OWNER. PROVIDE ALL REQ'D. ELECTRICAL.



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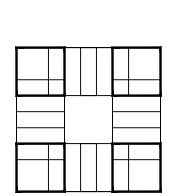
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P. B. C. R.G. KREUSLER PARK RESTROOM BUILDING AND ENTRY DRIVE MODIFICATIONS PBC NO 14204 2005 90/TH OCEAN BLVD.

LAKE WORTH **FLORIDA**

PROJECT NO. 201402 JLRD NO. 115042



SHEET TITLE: LIGHTING, POWER AND SYSTEMS PLAN

REVISIONS:

11/20/15 DRAWN BY: **JDY** CHECKED BY: CCG

GENERAL ELECTRICAL NOTES

- 1. ALL ELECTRICAL WORK SHALL COMPLY WITH NATIONAL ELECTRICAL CODE, THE NATIONAL FIRE CODES, THE AMERICANS WITH DISABILITIES ACT, AND THE FLORIDA BUILDING CODE.
- 2. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE PROJECT TO ENSURE THAT ALL WORK SHALL MEET OR EXCEED THE ABOVE REQUIREMENTS. ANY ALLEGED DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO BID.
- 3. THE CONTRACTOR IS DIRECTED TO OBTAIN COPIES OF ALL RELATED PLANS, SPECIFICATIONS, SHOP DRAWINGS AND ADDENDUM TO COORDINATE THE RELATED WORK AND SCHEDULING.
- 4. ALL PANELBOARDS SHALL BE PROVIDED WITH A TYPEWRITTEN SCHEDULE SHOWING CIRCUIT NUMBERS AND A COMPLETE DESCRIPTION OF EACH CIRCUIT.
- 5. MINIMUM TRADE SIZE CONDUIT PERMITTED SHALL BE 1/2 INCH UNLESS NOTED OTHERWISE.
- 6. ALL CONDUCTOR METAL SHALL BE COPPER WITH 600 VOLT INSULATION TYPE THHN. (MINIMUM SIZE SHALL BE #12AWG..) CONTRACTOR SHALL ADJUST WIRE AND CONDUIT SIZES IF OTHER INSULATION TYPES ARE USED.
- 7. ALL LIGHT SWITCHES AND DUPLEX RECEPTACLES SHALL BE RATED FOR 20 AMPERE AT 125/277 VOLTS A/C. WIRING DEVICES SHALL BE MANUFACTURED BY HUBBELL OR APPROVED EQUAL. PROVIDE BARRIERS AT 277V SWITCHES WHERE REQUIRED BY N.E.C. ARTICLE 404-8(b).
- 8. ALL SPECIAL PURPOSE OUTLETS SHALL BE PROVIDED TO MATCH EQUIPMENT TO BE SUPPLIED.
- 9. ALL PANELBOARDS, SWITCHES AND CIRCUIT BREAKERS SHALL BE SQUARE D.
- 10. ALL CONDUITS SHALL HAVE A SEPARATE GREEN GROUND CONDUCTOR INSTALLED FOR GROUNDING.
- 11. ANY EXISTING UTILITIES LOCATED IN THE AREA OF CONSTRUCTION WHICH REQUIRE RELOCATION BY THE OWNER SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE A MINIMUM OF TEN DAYS IN ADVANCE.
- 12. ALL DISCONNECT SWITCHES SHALL BE THE HEAVY DUTY TYPE WITH BUSSMAN TIME DELAY, DUAL ELEMENT AND CURRENT LIMITING
- 13. ALL EMPTY CONDUITS SHALL CONTAIN JET LINE #232 POLYOFIN 200 LB. TEST.
- 14. ALL WORK SHOWN ON THE ELECTRICAL PLANS SHALL BE

PERFORMED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

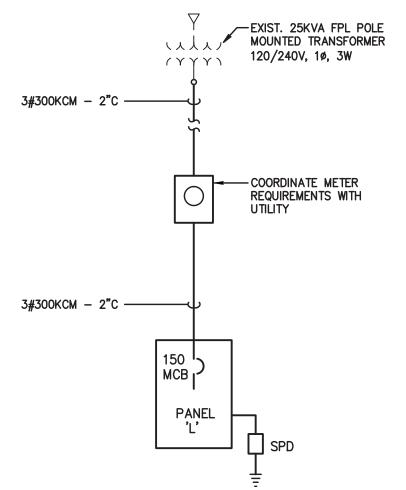
- 15. EQUIPMENT INSTALLED WITHIN CONCEALED SPACES SHALL HAVE REASONABLE ACCESS PANELS PROVIDED NEARBY FOR INSPECTION, TESTING AND SERVICE CONSIDERATIONS.
- 16. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

FIXTURE SCHEDULE NOTES:

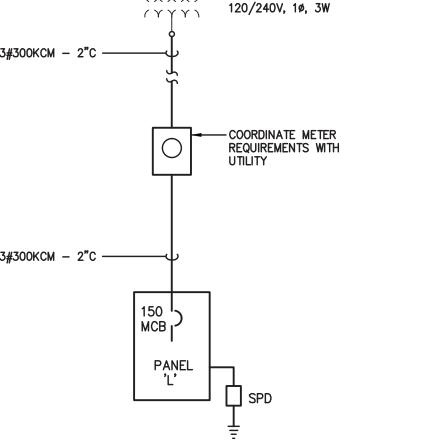
2. U.L. LISTED FOR WET LOCATION. 3. PROVIDE WITH WIRE GUARD.

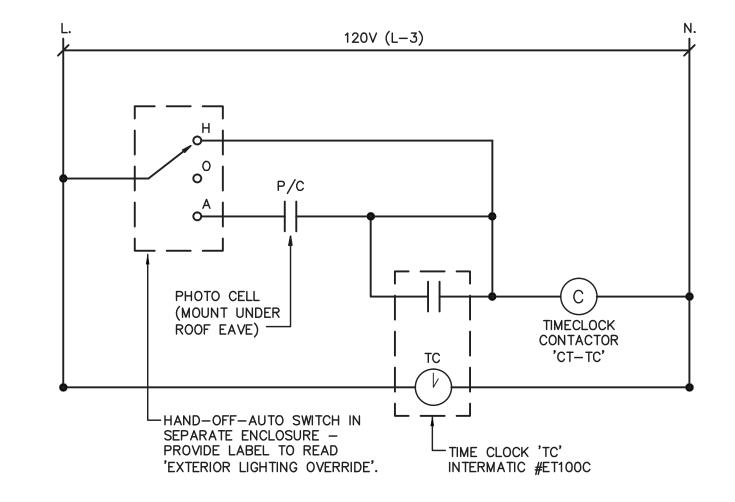
1. PROVIDE FIXTURE WITH INTEGRAL BATTERY BALLAST WHERE INDICATED ON PLANS

	ELECTRICAL SYM	1BOL L	EGEND
ОС	OVERCOUNTER	©	CEILING OCCUPANCY SENSOR
GFI	GROUND FAULT INTERRUPT		TRANSFORMER - SEE SCHEDULE FOR RATING
EXP	EXPLOSIONPROOF	\Diamond	MOTOR
WP	WEATHERPROOF		
•	FLUORESCENT LIGHTING FIXTURE (SEE FIXTURE SCHEDULE)		COMBINATION MOTOR STARTER SEE SCHEDULE FOR RATING
№ ————————————————————————————————————	FLUORESCENT STRIP FIXTURE (SEE FIXTURE SCHEDULE)		DISCONNECT SWITCH SEE SCHEDULE FOR RATING
	FLUORESCENT FIXTURE — WALL MOUNT		120/208V PANELBOARD
<u> </u>	(SEE FIXTURE SCHEDULE)	<u>=</u>	GROUND CONNECTION
	INCAN. OR H.I.D. LIGHTING FIXTURE (SEE FIXT. SCHEDULE)	T	LINE VOLTAGE THERMOSTAT
О	INCAN. OR H.I.D. LIGHTING FIXTURE (WALL BRACKET) SEE FIXT. SCHEDULE	a,b	SWITCHING SEQUENCE
		A	EQUIPMENT SCHEDULE NOTATION
N.L.	DESIGNATES LIGHTING FIXTURE IS AN UNSWITCHED 'NIGHT LIGHT'	0	JUNCTION PULL BOX
8	FLUORESCENT LIGHTING FIXTURE WITH INTEGRAL BATTERY BALLAST	•	COMMUNICATIONS OUTLET
	FLUORESCENT LIGHTING FIXTURE WITH INTEGRAL	⊞◀	FIRE ALARM HORN/STROBE
	BATTERY BALLAST		FIRE ALARM STROBE LIGHT ONLY
	EMERGENCY BATTERY BACK-UP	E	FIRE ALARM PULL STATION
t⊗t	EXIT LIGHT (CEIL. OR WALL) ARROWS AS SHOWN SOLID QUADRANT INDICATES FACE	HD	COMBINATION FIXED TEMPERATURE AND RATE OF RISE HEAT DETECTOR
Ф	GROUND TYPE SINGLE RECEPTACLE 120V-20A. +18"AFF UNLESS NOTED OTHERWISE	SD	CEILING MT'D. SMOKE DETECTOR (PHOTO ELECTRIC TYPE)
ф	GROUND TYPE DUPLEX RECEPTACLE 120V—20A. +18"AFF UNLESS NOTED OTHERWISE	®	SMOKE DETECTOR REMOTE INDICATOR/RESET
⊕ oc	GROUND TYPE DUPLEX RECEPTACLE 120V—20A. MOUNT ABOVE COUNTER OR AT HEIGHT NOTED.	[§]	EXHAUST FAN
d GFI	GROUND TYPE DUPLEX RECEPTACLE 120V—20A. WITH INTEGRAL GROUND FAULT INTERRUPT PROTECTION.	®	SHUT-DOWN RELAY
#	GROUND TYPE DOUBLE DUPLEX RECEPTACLE 120V-20A. MOUNT IN TWO GANG OUTLET BOX 18"AFF UNLESS OTHERWISE NOTED.	©	PHOTOCELL
⊕ wP	GROUND TYPE DUPLEX RECEPTACLE 120V-20A. WITH WEATHER PROOF COVER.		
\$ _x	S.P.S.T. TOGGLE SWITCH $(X = P, PILOT LIGHT)$		
\$3 \$4	TOGGLE SWITCH, 3 OR 4-WAY		
ŌS	WALL SWITCH OCCUPANCY SENSOR		



ONE-LINE POWER DIAGRAM





RESTROOM EXTERIOR TIMED LIGHTING CONTROL WIRING SCHEMATIC SCALE: NONE

∱----- 1"C.

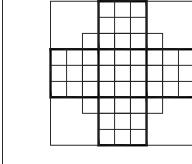
LONG RADIUS ELBOW-

4-11/16"SQ. x 2-1/8"

J. BÓX WITH SINGLÉ

GANG MUD RING

(TYPICAL) ——



P. B. C. R.G. KREUSLER PARK **RESTROOM BULDING MODIFICATIONS**

LAKE WORTH

PROJECT NO. 201402 JLRD NO. 115042

____ 120V RECEPTACLE SINGLE GANG BACK BOX APPROVED IN-USE U.V. RESISTANT, COMPOSITE WEATHER PROOF COVER NEMA 4X, UL LISTED, GFCI, VERTICAL MOUNT WITH EXTRA DEEP PROVIDE LABEL WITH CIRCUIT NUMBER ON FACEPLATE.

3 EXTERIOR 120V RECEPTACLE DETAIL



- STUB UP 6" ABOVE ACCESSIBLE

CEILING, WALL MOUNTED DATA

USING J-HOOKS (SUPPLIED BY

OUTLET TO BE FREE HUNG

OTHERS).

FIXT. TYPE	MANUFACTURER	CATALOG NUMBER	LAMPS	TYPE OF FIXTURE		SUR	VOLTS	NOTES
Α	FAIL-SAFE - -	HVL8-4-LD4-2-STD-40-UNV-0-ED1C-S-VRSD - -	73W LED	4' VANDAL RESIST. LINEAR LED FIXTURE		•	UNV	NOTE #1, #2
В	LIGMAN LTG. -	UNI-80333-9-9W-AMBER-M-SS-F-RT	9W LED	EXT. DOWN LIGHT "TURTLE FRIENDLY"	•		UNV	NOTE #2
С	PORTFOLIO	LD6A-10-D010TE-ERW6A10-8-40-6LW1-H-HB26 - -	28W LED	LED DOWN LIGHT	•		UNV	
D	LIGMAN LTG. -	UTA-31293-17W-AMBER-W-120-F-03 - -	17W LED	EXT. WALL SCONCE FULL CUT-OFF		•	UNV	
E	SURE-LITES - -	CC4-WH-120 - -	INCLUDED -	BATTERY PACK		•	UNV	
F	METALUX - -	4SNLED-LD4-30SL-LW-L840-CD1-U	28W LED	4' LED LENSED STRIP		•	UNV	
G	BEACON	HLEML-45-30-X2-EMG2-AN	45W LED	EXPLOSION PROOF LED		•	120	NOTE #1, #2

				SUPPLY/E	EXHAUS	T FAN	SCHEDL	JLE	
NO.	H.P.	VOLTAGE	PHASE	GENERAL LOCATION	CIRCUIT	MOUNTING	DISCONN.	CONTROL	REMARKS
_	_	_	_	-	_	_	_	_	
EF-2	1/4	120V	1ø	UNISEX TOILET 107	L-15	IN-LINE	BY MECH.	BY MECH.	
EF-3	1/4	120V	1ø	STORAGE RM. 104	L-17	IN-LINE	BY MECH.	BY MECH.	
EF-4	1/40	120V	1ø	ELEC. RM. 101	L-19	IN-LINE	BY MECH.	BY MECH.	
		AL FLOOR F		R LOCATIONS AND DETAI I DIV. 15.	LED DESCRIP	TION OF EQUI	PMENT.		

				С	ONTACTOR	R SCHE	DULE		
NO.	NO. OF	POLES N.C.	COIL VOLTAGE	CONTACT VOLTAGE	LOCATION	CIR NO.	AREA OF CONTROL	CONTROL	
CT-TC	6	_	120	277	ELECT. RM.	L-8	LIGHTING - EXTERIOR	PHOTOCELL	
-	_	_	_	_	_	_	-	_	

			DISCONNE	ECT SWITC	CH SCHEDULE		
NO.	SWITCH/FUSE	VOLTAGE	LOCATION	CIR NO.	CONDUIT/CONDUCTOR	ENCL. TYPE	NOTES
DS-CU-1	30A/2P/20ADEF	208V, 1ø	EXT., WEST SIDE	L-39,41	2#12, 1#12G - 3/4"C	NEMA 4X-SS	_
DS-AHU-1	30A/2P/20ADEF	208V, 1ø	BREAKRM. 105	L-35,37	2#12, 1#12G - 3/4"C	NEMA 1	-
DS-WH-1	30A/2P/25ADEF	208V, 1ø	SHWR. RM. 106	L-34,36	2#10, 1#10G - 3/4°C	NEMA 1	_

US	KVA	LOAD	POLES	TRIP	CIRC	BUS	CIBC	TDID	POLES	LOAD	BUS	KVA
Α	В		PULES	IKIP	CIRC	А В	CIRC.	IKIP	PULES	LOAD	Α	В
72		RECEPTS BREAKROOM	1	20	1	🔶	- 2	20	1	RECEPTS BREAKROOM	.54	
	0.1	CT AND TC CONTROL CIRCUIT	1	20	3	<u> </u>	4	20	1	LIGHTS - TOILETS		0.7
.5		HAND DRYER - M. TLT.	1	20	5	<u> </u>	- 6	20	1	LIGHTS - BREAKROOM, STORAGE	0.6	
	1.5	HAND DRYER - M. TLT.	1	20	7	! ┼── ∮	8	20	1	LIGHTS - EXT. LIGHTS		0.2
.5		HAND DRYER — UNISEX TLT.	1	20	9	J \	- 10	20	1	REFRIG BREAKROOM	0.5	
	1.5	HAND DRYER — F. TLT.	1	20	11	 	12	20	1	EXIT LIGHT		0.1
.5		HAND DRYER - F. TLT.	1	20	13] 	- 14	20	1	CONTACTOR	0.2	
	0.7	'EF-2'	1	20	15]+	16	20	1	GFI RECEPTACLES		1.0
).7		'EF-3'	1	20	17] 	- 18	20	1	RECEPT WATER COOLER	1.2	
	0.1	'EF-4'	1	20	19]+	20	20	1	SPARE		_
0.1		IRRIGATION TIME CLOCK	1	20	21] 	- 22	20	1	WARNING BEACON LIGHT	0.1	
	ı	SPARE	1	20	23]+	24	20	1	SPARE	_	
_		SPARE	1	20	25	 	- 26	20	1	SPARE		-
	_	SPARE	1	20	27	│ │ 	28	20	1	SPARE	-	
_		SPARE	1	20	29	 	- 30	20	1	SPARE		-
	_	SPARE	1	20	31	│ │ 	32			SPACE	-	
_		SPARE	1	20	33	[- 34	25	2	WATER HEATER (4KW)		2.0
	1.7	'AHU-1'	2	20	35	[36		_		2.0	
.7			_		37	[- 38			SPACE		-
	1.0	'CU-1'	2	20	39	[40	50	2	SPD	-	
.0			_		41		- 42		_			_
RAT	ED V	OLTAGE: 120/240V 1 PH	ASE, 3 N	MIRE			FEE	D IS T	O BE (●)BOTTOM: ()TOP FROM: F.P.L.	TX.	
RAT	ING I	S TO BE ()100 (●)225 ()400 A	MPS				GRC	UND B	BAR IS I	REQUIRED SERVICE ENTRANCE		
•	MAIN	BREAKER 150 AMPS () MAIN L	UGS ON	LY			NEU	TRAL	BUS IS	TO BE (●)FULL ()DOUBLE SIZE		
R/	NCH	POLES=()12 ()24 ()30 (●)4:	2				HING	GED DO	OOR WIT	TH KEYED LATCH ()IS ()IS NOT	REQUI	IRED
'ΑΝ	ELBC	ARD IS TO BE ()FUSED (●)BOLT	N CIRCU	JIT BRI	EAKE	R TYPE	HAR	D WIRE	ED SUR	GE PROTECTION (●)IS ()IS NOT F	REQUIF	RED
۱LL	BRE	AKERS MUST BE RATED TO INTERRUF	T A SH	ORT C	IRCUI	T CURR	ENT Is	c = 1	0,000	AMPS, SYM RMS NEMA 4xS	SS	



& Associates, Inc. **AA** 0003439 530 24TH STREET WEST PALM BEACH FLORIDA 33407 (561) 833-9147



JOHNSON, LEVINSON RAGAN, DAVILA, INC. CONSULTING ENGINEERS 1450 Centrepark Boulevard, Suite 350 West Palm Beach, Florida 33401 Certification Number 6059 Michael P. Linden, P.E. #58094 Charles C. Gableman, P.E #51936

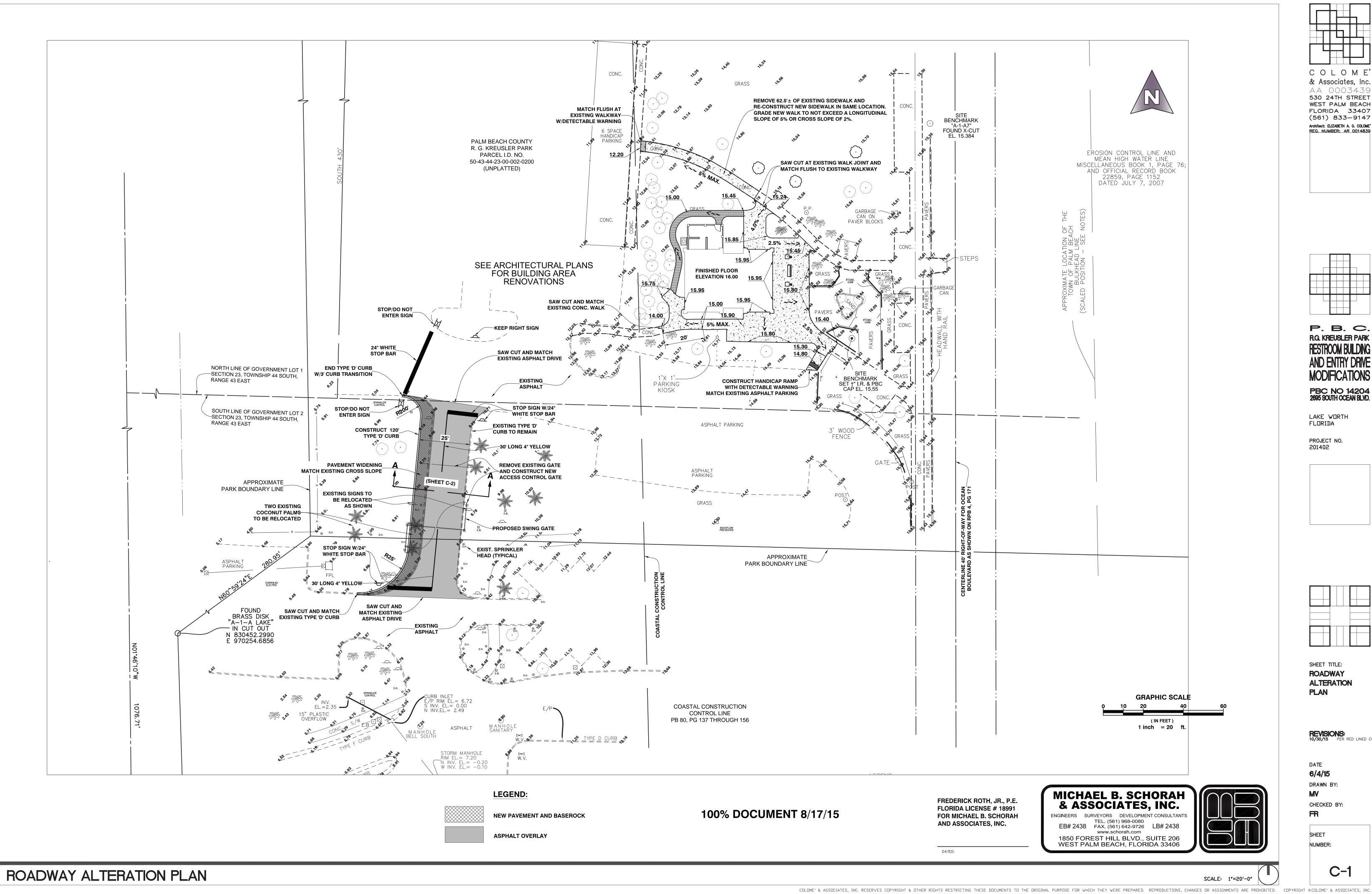


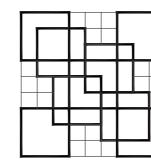
FLORIDA

SHEET TITLE: SCHEDULE, LEGEND AND **DETAILS**

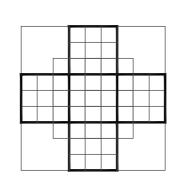
REVISIONS:

11/20/15 DRAWN BY: **JDY** CHECKED BY: CCG





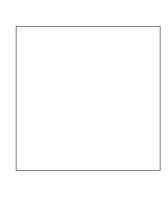
& Associates, Inc. 530 24TH STREET WEST PALM BEACH FLORIDA 33407 (561) 833-9147 Architect: ELIZABETH A. G. COLOME' REG. NUMBER: AR 0014839

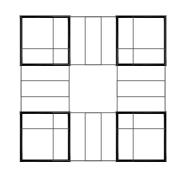


P. B. C. R.G. KREUSLER PARK PBC NO 14204 2695 SOUTH OCEAN BLVD.

LAKE WORTH FLORIDA

PROJECT NO. 201402





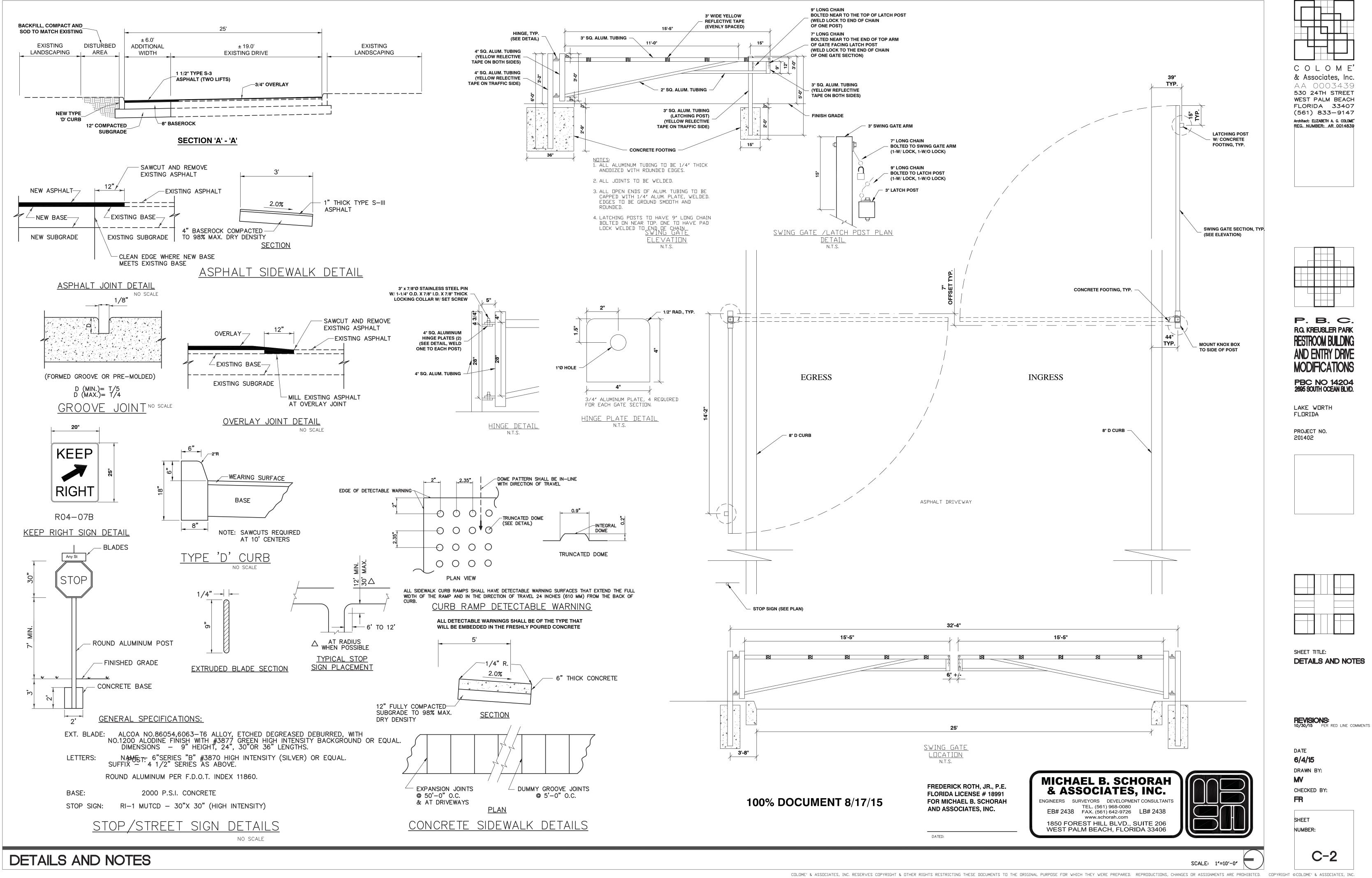
SHEET TITLE: **ROADWAY ALTERATION PLAN**

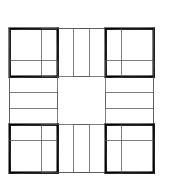
REVISIONS: 10/30/15 PER RED LINED COMMENTS

DATE 6/4/15 DRAWN BY:

CHECKED BY:

SHEET NUMBER:





DETAILS AND NOTES