RCHITECTS.

DRAWING TITLE:

COVER SHEET

DRAWN: DL CHECKED: CPZ DATE: 11/06/16 SCALE: As indicated PROJECT NO. 1533 SHEET:

COV

BID SET 11/06/16



PROJECT LOCATION——

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TOWN PROJECT: NO.

TOWN COMMISSION

\ LOCATION MAP

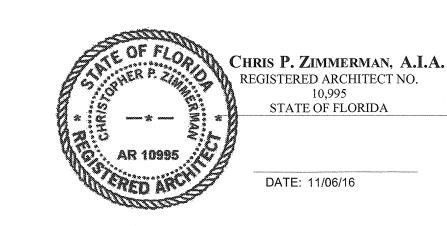
James Dubois Kimberly Glas-Castro Vice Mayor Erin T. Flaherty Commissioner Commissioner Michael O'Rourke Commissioner Anne Lynch Kathleen Rapoza 2013 - 2016 Commissioner

John O. D'Agostino **Town Manager** Thomas J. Baird, Esq. Town Attorney Vivian Mendez, CMC Town Clerk









DRAWING TITLE:

CHECKED:

SCALE: AS INDICATED

PROJECT NO. 1542

SP-1

CHRIS P. ZIMMERMAN, A.I.A. REGISTERED ARCHITECT NO. 10,995 STATE OF FLORIDA

DATE: 11/06/16

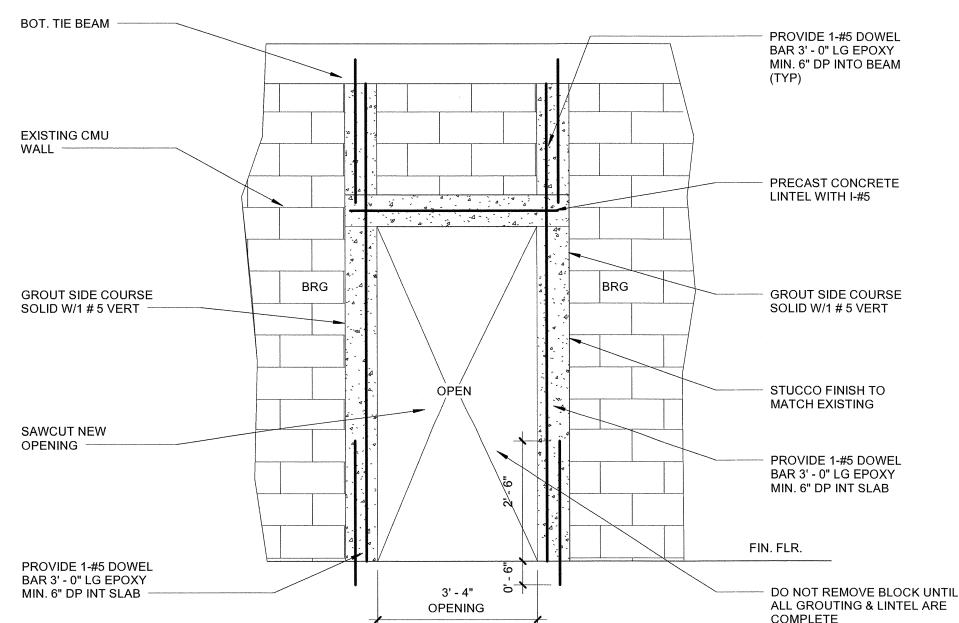
SPECIFIED BRAND NAMES ARE FOR DESCRIPTIVE PURPOSES ONLY. EQUAL EQUIPMENT OR MATERIAL WILL BE ACCEPTED. SEE CONTRACT MANUAL FOR MINIMUM REQUIREMENTS FOR ESTABLISHING

EQUALITY

DEMOLITION PLAN

D-1

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



NEW OPENING ON EXISTING WALL DETAIL - TYP.

LEGEND:

DENOTES EXISTING TO REMAIN

== DENOTES EXISTING TO BE REMOVED

GENERAL DEMOLITION NOTES:

1. EXISTING FLOORING TO BE REMOVED OR PREPARED AS REQUIRED TO RECIEVE NEW FLOOR FINSIH. FLOOR IS TO BE CLEANED AND PATCHED IN PREPARATION FOR NEW

2. OWNER TO PROVIDE CURRENT ASBESTOS REPORT.

3. ALL EXISTING STRUCTURAL COLUMNS, WALLS, ETC. TO

4. PATCH AND REPAIR ALL EXISTING PERIMETER WALLS IN AREA OF WORK TO REMAIN FOR LIKE NEW FINISH.

5. CONTRACTOR TO MAINTAIN BUILDING IN A WATERTIGHT AND SECURE CONDITION AT ALL TIMES.

6. G.C. MUST COORDINATE WITH OWNER'S REPRESENTATIVE FOR PROCEDURES REGARDING HANDLING OF DEBRIS, CONSTRUCTION MATERIALS AND EQUIPMENT.

7. TOWN WILL SALVAGE EXISTING FIXTURES, LIGHTING, ACCESSORIES AND EQUIPMENT TO BE REMOVED. GC TO RETURN ALL SALVAGEABLE ITEMS TO OWNER.

8. SEE CIVIL PLANS FOR PROPOSED CONSTRUCTION STAGING PLAN FOR LOCATION OF MATERIALS STORAGE & CONSTRUCTION TRAILER (IF REQUIRED)

NOTE: GC TO PROVIDE FIVE PORTABLE CHEMICAL TOILETS (2 MEN, 2 WOMEN, 1 UNISEX ADA ACCESSIBLE) FOR PUBLIC USE DURING RENOVATIONS TO EXISTING RESTROOMS AT LAKE SHORE PARK. LOCATION TO BE WITHIN THE PARKING LOT OF THE LAKE SHORE PARK TENNIS COURTS. FINAL LOCATION & ORIENTATION TO BE DETERMINED. CHEMICAL TOILETS SHALL BE MAINTAINED AT A MINIMUM OF TWICE PER WEEK OR MORE FREQUENTLY IF DOORS BECOME A NUISANCE TO THE ADJACENT RESIDENTS.

CONSULTANT:

RCHITEC

DRAWING TITLE:

DEMOLITION PLAN

DRAWN: DL CHECKED: CPZ DATE: 11/06/16

SCALE: As indicated PROJECT NO. 1533 SHEET:

CHRIS P. ZIMMERMAN, A.I.A. REGISTERED ARCHITECT NO. STATE OF FLORIDA DATE: 11/06/16

ESTABLISHING EQUALITY

SPECIFIED BRAND NAMES ARE FOR

EQUIPMENT OR MATERIAL WILL BE

FOR MINIMUM REQUIREMENTS FOR

ACCEPTED. SEE CONTRACT MANUAL

DESCRIPTIVE PURPOSES ONLY. EQUAL

COMPLETE

GENERAL NOTES GENERAL NOTES ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL 24. ALL ELECTRIC HAND TOOLS MUST BE GROUNDED AND MUNICIPAL BUILDING CODES, AS WELL AS ANY PROPERLY. AND ALL REGULATORY AGENCIES, INCLUDING, BUT NOT LIMITED TO, OSHA, ETC. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS. THE TERMS "CONSTRUCTION CONTRACTOR," ARCHES. "GENERAL CONTRACTOR," "G.C." AND "CONTRACTOR" SHALL BE UNDERSTOOD TO BE THE SAME UNLESS WORK AREAS. THE GENERAL CONTRACTOR SHALL VERIFY ALL JOB CONDITIONS, DIMENSIONS AND DETAILS PRIOR TO CONSTRUCTION, AND AS ANTICIPATED OR INFERRED PRIOR TO PRICING OR BIDDING. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH THE SATISFACTORY COMPLETION OF THE WORK, PRIOR TO THE START OF ANY AND ALL HIS MATERIALS. THE CONTRACTOR SHALL HAVE HAD EXPERIENCE ON AT LEAST THREE PROJECTS INVOLVING QUALITIES AND COMPLEXITIES AT LEAST EQUAL TO THOSE REQUIRED UNDER ALL DIVISIONS DETAILED IN THESE ALL WORKMEN PERFORMING UNDER THIS WORK SHALL BE SKILLED WORKMEN IN THEIR RESPECTIVE 31. NOT USED ALL WORK, WHETHER SHOWN OR IMPLIED, UNLESS SPECIFICALLY QUESTIONED, SHALL BE CONSIDERED FULLY UNDERSTOOD IN ALL RESPECTS BY THE GENERAL CONTRACTOR, AND HE WILL BE RESPONSIBLE FOR ANY MISINTERPRETATIONS OR CONSEQUENCES THEREOF FOR ALL WORK ON ALL GENERAL CONTRACTOR SHALL REVIEW AND FAMILIARIZE HIMSELF WITH THE GENERAL NOTES & SPECIFICATIONS DWG. AND DETERMINE WHICH NOTES APPLY DIRECTLY TO HIS RESPONSIBILITY. EACH SUBTRADE WILL BE RESPONSIBLE FOR REVIEWING THE ENTIRE SET OF DRAWINGS AND NOTING THEIR WORK AS APPLICABLE. ALL WORK INDICATED OR INFERRED ON THE DRAWINGS WILL BE DEEMED AND INCLUDED IN ALL CONTRACTORS' COSTS. G.C. SHALL BE RESPONSIBLE TO PICK UP THE BUILDING PERMIT AT THE BUILDING DEPARTMENT **CONSTRUCTION NOTES** OFFICES AND PAY ALL FEES. 10. G.C. SHALL PROVIDE ALL THE DRAWINGS, COMPLETED PAPERWORK AND CERTIFICATES OF INSPECTION AND FINAL PLACEMENT OF ALL PARTITIONS TO BE SHALL PERFORM ALL THE CONTROLLED INSPECTIONS APPROVED IN THE FIELD BY ARCHITECTS' AS REQUIRED FOR BUILDING DEPARTMENT REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY WORK. UPON COMPLETION OF THE JOB, THE GENERAL THE GENERAL CONTRACTOR SHALL LAYOUT CONTRACTOR SHALL SUBMIT CERTIFICATES OF PARTITIONS STARTING FROM CONDITIONS WHERE INSPECTION AND A CERTIFICATE OF SUBSTANTIAL ALIGNMENT WITH EXISTING CONSTRUCTION IS COMPLETION (A.I.A. DOCUMENT #G-704). SHOWN 12. THE GENERAL CONTRACTOR SHALL SUBMIT IN ALL PARTITION DIMENSIONS ARE FROM FINISHED WRITING ALL PROPOSALS FOR ADDITIONAL WORK TO SURFACE OR FROM FACE OF CONCRETE BLOCK WALL, THE ARCHITECT'S OFFICE FOR REVIEW AND UNLESS OTHERWISE NOTED. APPROVAL. NO WORK IS TO PROCEED UNTIL A SIGNED AUTHORIZATION TO PROCEED IS RETURNED TO THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL CONTRACTOR. PATCHING AND REPAIRING ALL WALLS, CEILINGS, AND COLUMNS TO REMAIN AS EXISTING. GENERAL CONTRACTOR SHALL CAP ALL EXPOSED 14. CONTRACTOR SHALL SCHEDULE ALL WORK TO EXISTING PIPING NOT BEING USED BEHIND FINISHED CONFORM TO THE GENERAL CONSTRUCTION SURFACE. SCHEDULE AND SHALL COOPERATE WITH OTHER SUB-CONTRACTORS IN THE REQUIRED SEQUENTIAL INSTALLATION SCHEDULE AS APPROVED BY THE PROVIDE ACCESS DOORS OR HATCHES FOR PLUMBING, ELECTRICAL, ETC. AS REQUIRED TO ACCESS EQUIPMENT OR CONTROLS. LOCATION TO BE APPROVED BY ARCHITECT. 15. DRAWINGS ARE NOT TO BE SCALED; THE GENERAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS ON THE SITE 16. ALL WORK IS TO CONFORM TO ARCHITECTURAL WHICH MIGHT REQUIRE ACCESS DOORS, AND SHALL DRAWINGS AND SPECIFICATIONS AND SHALL BE NEW INCLUDE IN HIS BID AS A SEPARATE PRICE THE COST AND BEST QUALITY OF THE KINDS SPECIFIED. OF FURNISHING AND INSTALLING THESE ACCESS DOORS, STATING QUANTITY AND UNIT COST. 17. NO MATERIAL SUBSTITUTIONS SHALL BE MADE. ALL SURFACES IF DAMAGED DURING DEMOLITION OR ARCHITECT WILL CONSIDER MATERIAL CHANGE ANY STAGE OF THE WORK, SHALL BE REPAIRED BY REQUESTS ON AN INDIVIDUAL BASIS. CONTRACTOR THE GENERAL CONTRACTOR AT HIS EXPENSE TO SHALL SUBMIT SAMPLES AND CUTS FOR WRITTEN "LIKE NEW" CONDITION. IT SHALL BE THE GENERAL APPROVAL BY ARCHITECT PRIOR TO THE START OF CONTRACTOR'S RESPONSIBILITY TO DOCUMENT ANY PRE-EXISTING DAMAGE AND, RELATIVE TO GENERAL NOTE #3, NOTIFY ARCHITECT ALL MATERIALS AND EQUIPMENT SPECIFIED SHALL BE OF ANY SUCH DAMAGE PRIOR TO PRICING OR SUPPLIED, INSTALLED, CONNECTED, ERECTED, BIDDING. CLEANED, AND CONDITIONED AS DIRECTED BY THE SUPPLIER/MANUFACTURER, IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARD PRACTICE. 19. ALL SUBCONTRACTORS' SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL THROUGH THE GENERAL CONTRACTOR PRIOR TO WORK BEING PERFORMED, UNLESS OTHERWISE WORKMEN WILL BE ASSIGNED ONE TOILET AREA WHICH THE GENERAL CONTRACTOR WILL PROVIDE AND BE RESPONSIBLE FOR CLEANING, MAINTAINING, AND UPON COMPLETION OF THE WORK, RESTORING TO ITS ORIGINAL CONDITION. 22. CONSTRUCTION PERSONNEL MUST CARRY PROPER IDENTIFICATION AT ALL TIMES. 23. ALL LADDERS, BAKERS, AND SCAFFOLDING SHALL BE IN GOOD OPERATING CONDITION. ALL DAMAGED LADDERS, BAKERS, AND ROLLING SCAFFOLDING WILL BE IMMEDIATELY REMOVED FROM THE JOB SITE.

FINISH NOTES

SAMPLES OF ALL FINISHES SPECIFIED SHALL BE

SUBMITTED TO ARCHITECT FOR APPROVAL, IN

TRIPLICATE, PRIOR TO COMMENCEMENT OF THE

- PROTECTIVE EYE GOGGLE WILL BE WORN DURING ANY CUTTING, WHETHER BY HAND OR BY MECHANICAL MEANS, OF FLOORS, WALLS, AND
- 26. ALL WINDOWS SHALL BE KEPT CLOSED IN THE
- 27. ALL FIRE EXITS SHALL BE KEPT CLEAR AND ACCESSIBLE AT ALL TIMES.
- 28. FIRE EXTINGUISHERS MUST BE KEPT ON THE JOB SITE DURING CONSTRUCTION.
- 29. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE CLEANLINESS OF THE WORK AREA AND THE AREAS INVOLVED IN THE DELIVERY OF
- GENERAL CONTRACTOR IS RESPONSIBLE TO CLEAN UP AND REMOVE FROM THE PREMISES ALL WASTE MATERIALS, RUBBISH, WRAPPINGS, AND SELVAGES AS GENERATED BY THE CONSTRUCTION, DEMOLITION AND/OR THE DELIVERY AND INSTALLATION OF ANY PRODUCTS, MATERIALS, OR EQUIPMENT WHICH IS PART OF HIS CONTRACT.
- 32. GENERAL CONTRACTOR IS RESPONSIBLE TO PROTECT AS REQUIRED ALL OWNER OCCUPIED AREAS.
- 33. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS INCURRED FOR DAMAGES CAUSED BY HIS SUBCONTRACTORS.
- 34. THE GENERAL CONTRACTOR SHALL HAVE A COMPETENT SUPERINTENDENT ON THE PREMISES AT ALL TIMES WHEN WORK IS IN PROGRESS.
- 35. GENERAL CONTRACTOR TO PROVIDE A FULL AS-BUILT DRAWING DEPICTING ALL CONCEALED ITEMS. ARCHITECT SHALL BE INFORMED OF ANY UNKNOWN CONDITIONS ENCOUNTERED IF A CONFLICT WITH PROPOSED WORK IS ENCOUNTERED

- WORK. CARPET, WALLCOVERING, AND WOOD FINISH SAMPLES TO BE A MIN. 12" X 12". PAINT SAMPLES FOR GYP. BD. SURFACES TO BE PROVIDED ON 12" X 12" PIECES OF GYP. BD.
- 2. ALL WALLS SHALL BE PROPERLY PREPARED (SPACKLED, SANDED, ETC.) FOR PAINTING PER FINISH PLAN AND MANUFACTURER'S SPECIFICATIONS.

WITH MANUFACTURER'S SPECIFICATIONS FOR THE

- ALL PAINTS SHALL BE APPLIED IN ACCORDANCE
- 4. ALL SURFACES WHICH ARE TO BE PAINTED SHALL RECEIVE (1) COAT OF PRIMER AND (2) COATS OF FINISH PAINT. (3) COATS TOTAL.

PARTICULAR SURFACE.

- ALL WALLS TO BE PAINTED SHALL BE PAINTED WITH A LATEX BASE EGGSHELL FINISH PAINT UNLESS OTHERWISE NOTED. ALL DOORS, DOOR FRAMES, WINDOW FRAMES, AND CONVECTOR ENCLOSURES SHALL BE PAINTED WITH AN ALKYD BASE SEMI-GLOSS FINISH PAINT UNLESS OTHERWISE NOTED.
- ALL DOORS AND FRAMES TO BE PAINTED THE SAME COLOR AND TYPE OF PAINT ON BOTH SIDES, UNLESS OTHERWISE NOTED.
- ALL WALLS WHICH HAVE BEEN PAINTED WITH AN EGGSHELL FINISH AND MUST BE TOUCHED UP AS A PUNCHLIST ITEM SHALL BE REPAINTED ENTIRELY BETWEEN THE (2) CLOSEST BREAK POINTS.
- GENERAL CONTRACTOR SHALL FLASH PATCH AND PREPARE ALL FLOORS AS REQUIRED TO RECEIVE SPECIFIED FLOORING MATERIAL. CRACKS 1/16" OR MORE, HOLES, AND OTHER UNEVENNESS MUST BE FILLED WITH A LATEX BASE FLOOR FILLER; HIGH SPOTS MUST BE LEVELLED. FLOOR MUST BE SWEPT CLEAN, WET MOPPED WITH WARM WATER AND SWEPT AGAIN. IF SWEEPING LEAVES A RESIDUE, FLOORS SHALL BE VACUUMED.

CONSULTANT:

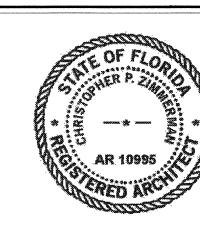
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GENERAL NOTES

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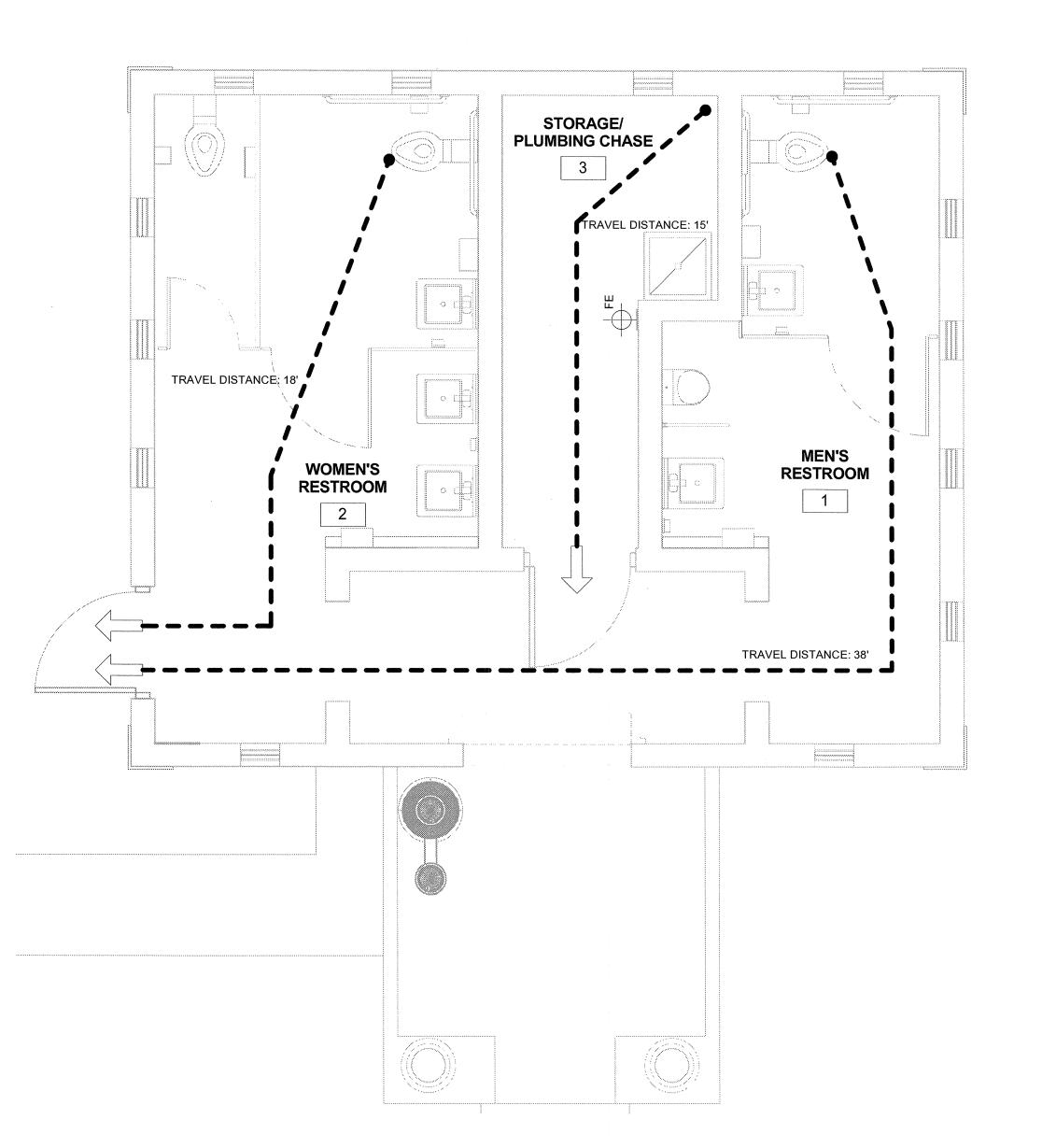
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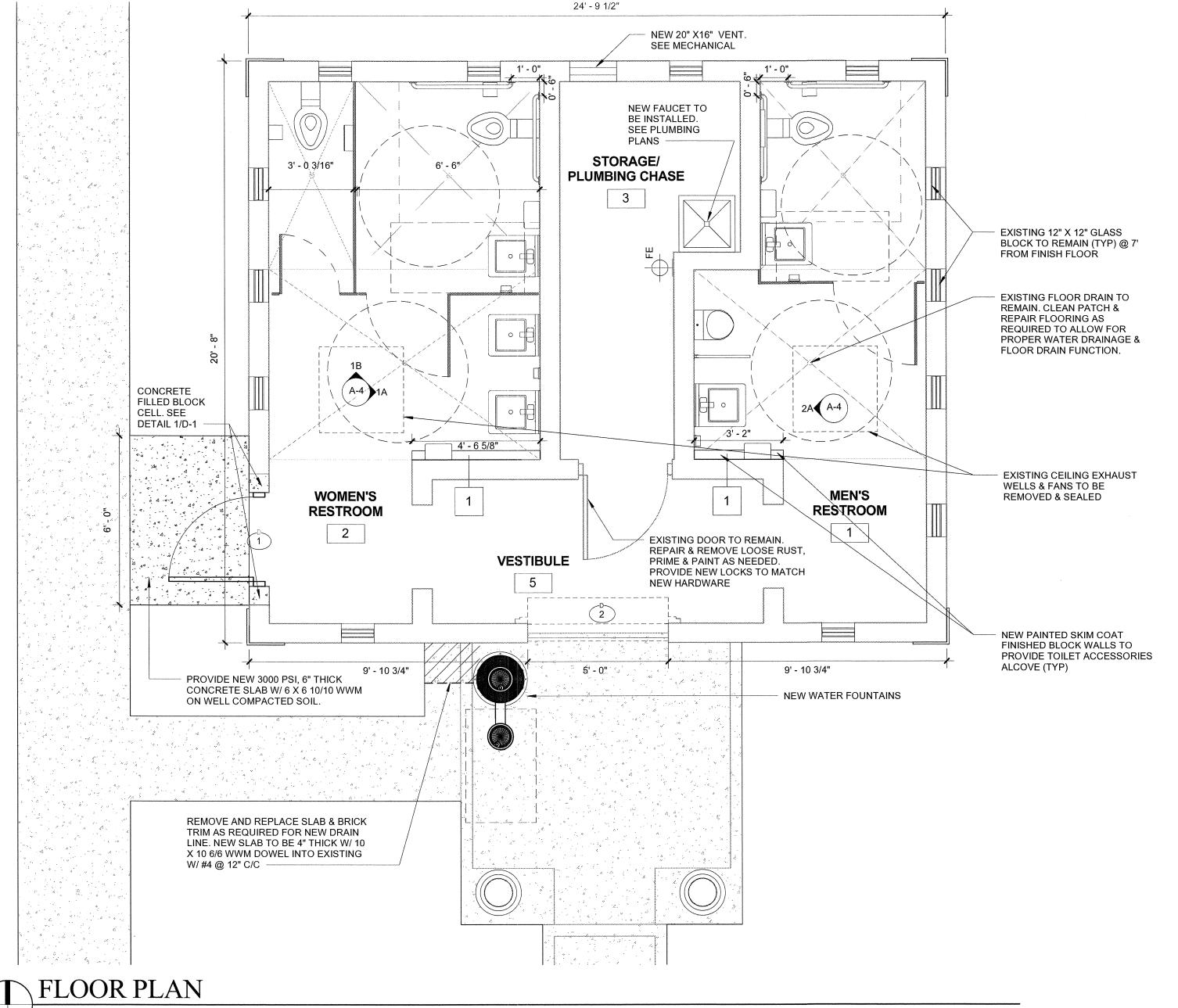
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CHRIS P. ZIMMERMAN, A.I.A. REGISTERED ARCHITECT NO. STATE OF FLORIDA

DATE: 11/06/16





LIFE SAFETY PLAN

BUILDING CODE INFORMATION FLORIDA BUILDING CODE 5th EDITION (2014)

III-B

PROPERTY ADDRESS:

DESCRIPTION OF WORK:

THIS PROJECT CONSISTS OF AN INTERIOR RENOVATION AND RE-ROOF TO AN EXISTING SINGLE STORY RESTROOM BUILDING ON AN EXISTING PUBLIC PARK

EXISTING BUILDING

Lake Shore Dr Lake Park, FL 33403

FLORIDA FIRE PREVENTION CODE 2010 EDITION NFPA 101 2009 ED.

ACCESSIBILITY, BUILDING, ENERGY CONSERVATION,

EXISTING BUILDING, FUEL GAS, MECHANICAL,

PLUMBING, RESIDENTIAL, TEST PROTOCOLS.

ALTERATION - LEVEL 2 **CLASSIFICATION OF WORK:** PER FLORIDA BUILDING CODE 5th EDITION (2014)-

USE AND CLASSIFICATION (FBC-B CHAPTER 3):

U-UTILITY & MISC

CONSTRUCTION TYPE (FBC-B CHAPTER 6): CONSTRUCTION:

GOVERNING CODE:

CMU, CONCRETE STRUCTURE, WOOD ROOF STRUCTURE.

OCCUPANT LOAD (CHAPTER 10):

UTILITY:

512 S.F. / 300 S.F. PER OCCUPANT (FBC-B TABLE 1004.1.2) = 2 PERSONS

BUILDING HEIGHT & AREA LIMITATIONS (FBC-B TABLE 503): **FIRE PROTECTION FEATURES: EGRESS:** PER FBC-B CHAPTER 10 & NFPA 101 CH. 22 MAX. # OF STORIES PERMITTED: MAX. # OF STORIES PROVIDED: MAX.TRAVEL DISTANCE PERMITTED (FBC-B TABLE 1016.2): 300'-0" MAXIMUM TRAVEL DISTANCE TO FIRE EXTINGUISHERS REQUIRED (NFPA 10): 75'-0" MAX. HEIGHT PERMITTED: 38'-0" MAX. TRAVEL DISTANCE PROVIDED: MAXIMUM TRAVEL DISTANCE TO FIRE EXTINGUISHERS PROVIDED: LESS THAN 75'-0" MAX. HEIGHT PROVIDED: UNDER 20' MAX. AREA PERMITTED (PER FLOOR): 8,500 SF OMMON PATH OF EGRESS TRAVEL PERMITTED (FBC-B TABLE 1014.3): 100'-0" NUMBER OF FIRE EXTINGUISHERS PROVIDED: MAX. AREA PROVIDED (PER FLOOR): 512 SF LESS THAN 100'-0" COMMON PATH OF EGRESS TRAVEL PROVIDED: YPE OF FIRE EXTINGUISHERS PROVIDED: MP5 UL RATING 2A-10B:C (TYPICAL) **AREA CALCULATIONS:** MIN. CORRIDOR WIDTH REQUIRED (FBC-B TABLE 1018.2, 1023.2: 3'-8" <u>FIRE RESISTANCE RATINGS (FBC-B TABLE 601)</u> TOTAL AREA (BLDG.) PROVIDED: 512 SF CORRIDOR WIDTH PROVIDED: N/A BUILDING ELEMENT TYPE III-B STRUCTURAL FRAME 0 MAX. DEAD END CORRIDOR PERMITTED (FBC-B 1018.4): BEARING WALLS NONE MAX. DEAD END CORRIDOR PROVIDED: EXTERIOR 2 INTERIOR 0 EGRESS WIDTH PER PERSON REQUIRED (FBC-B 1005.1): 0.2" PER OCC. LEVEL= 0.4" (32" MIN.) ION BEARING- EXTERIOR NON-BEARING INTERIOR WALLS & PARTITIONS EGRESS WIDTH PER PERSON PROVIDED: 34" (LEVEL) FLOOR CONSTRUCTION ROOF CONSTRUCTION 32" MINIMUM CLEAR OPENING REQUIRED (FBC-B 1008.1.1): NOT PROVIDED FIRE SPRINKLERS 34" MINIMUM CLEAR OPENING PROVIDED: CLASSIFICATION OF HAZARD OF CONTENTS (NFPA 101 ORDINARY HAZARD SECTION 26.1.5) CONTENTS EXITS REQUIRED (FBC-B TABLES 1015.1, 1021, 1021.2): EXITS PROVIDED: 1 FROM EACH SPACE.

TOTAL = 3

LIFE SAFETY LEGEND:

DENOTES PATH OF TRAVEL

FIRE EXTINGUISHER MOUNTED ON BRACKET

CONSULTANT:

FIRE EXTINGUISHERS:

EXTINGUISHMENT REQUIREMENTS (NFPA10-6.2):

(1) 2-A RATED SINGLE EXTINGUISHER (AT MINIMUM), PER EVERY 3000 SQ. FT. NOT TO EXCEED 75'-0" OF TRAVEL MOUNT CABINET W/ OPERATING INSTRUCTIONS FACING OUTWARDS.

MOUNT FIRE EXTINGUISHER ON STANDARD WALL BRACKET @ 48" A.F.F.

CONTRACTOR PROVIDE SHOP DRAWING SUBMITTAL OF EXTINGUISHERS PRIOR TO ORDERING.

NOTE: DURING CONSTRUCTION CONTRACTOR TO PROVIDE PORTABLE EXTINGUISHERS PER NFPA 1141 SECTION 9.2.

FLOOR PLAN LEGEND:

DENOTES NEW STALL PARTITION

DENOTES NEW CMU WALL

DENOTES EXISTING WALL

DOOR TAG

FIRE EXTINGUISHER MOUNTED ON BRACKET

FLOOR PLAN NOTES:

1. SEE FINISH SCHEDULE AND PLAN FOR FLOOR AND WALL FINISHES ON SHEET A-4.

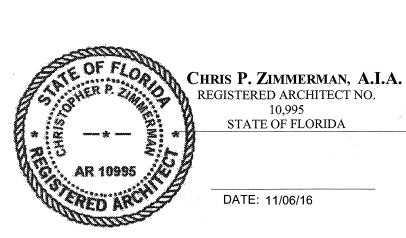
2. CONTRACTOR TO COORDINATE ALL WORK WITH OWNER'S REPRESENTATIVE.

MISCELLANEOUS NOTES:

1. IF FLAMMABLE OR COMBUSTIBLE LIQUIDS WILL BE STORED, HANDLED, OR USED ON THE CONSTRUCTION SITE, THEY SHALL COMPLY W/ NFPA 1 SECTION 16.2.3 CLASSIFICATION OF HAZARD CONTENTS PER NFPA101 SECTION 6.2.2.3 "ORDINARY HAZARD CONTENT"

2. THRESHOLD AT ALL EXTERIOR DOOR OPENINGS SHALL NOT EXCEED 1/2" (13 MM) IN HEIGHT PER NFPA 101 SECTION 7.2.1.3.3

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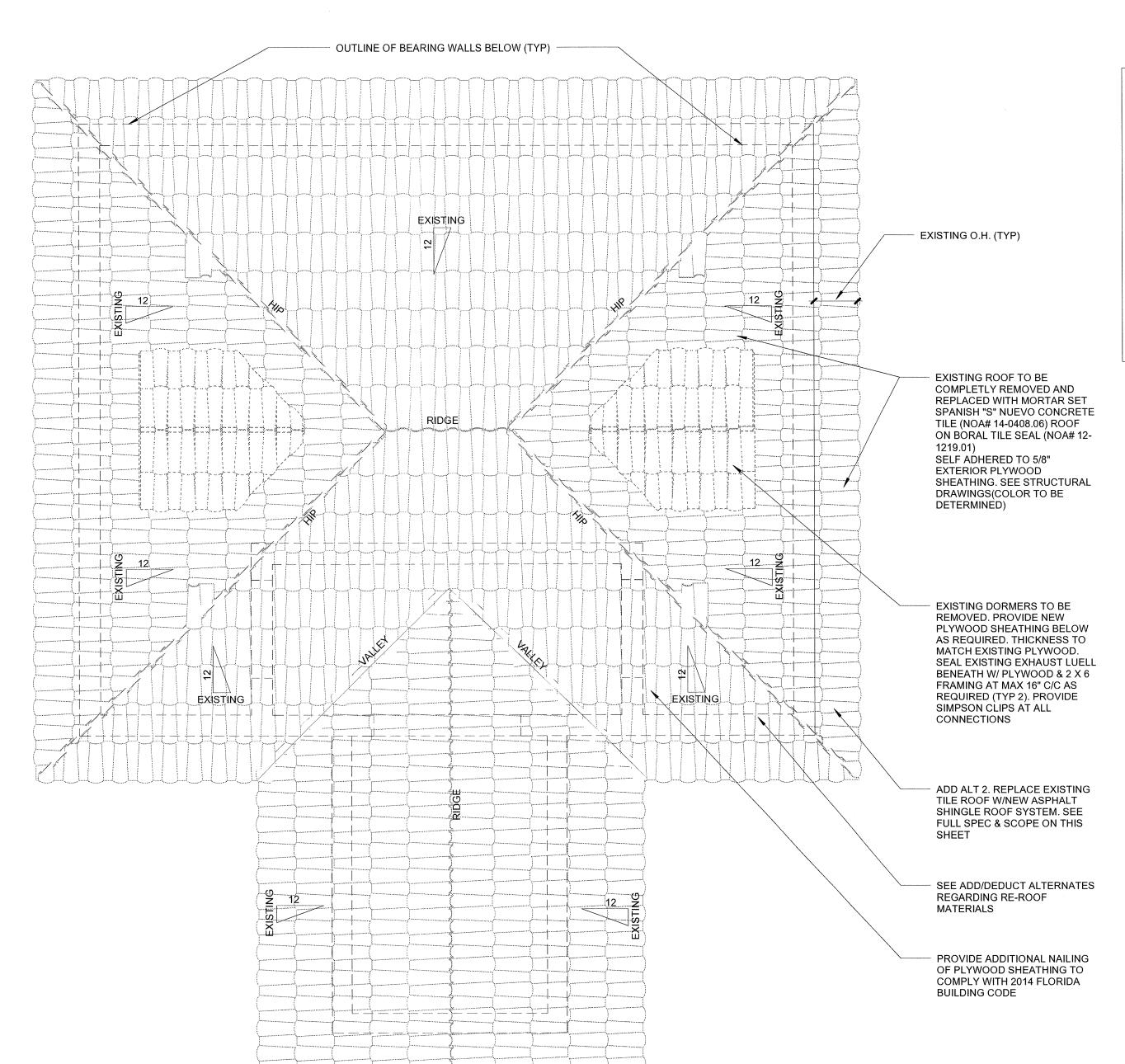
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DRAWING TITLE: LIFE SAFETY &

FLOOR PLAN

DRAWN: DL CHECKED: CPZ

DATE: 11/06/16 SCALE: As indicated PROJECT NO. 1533 SHEET:



REFLECTED CEILING PLAN

ROOF PLAN

RE-ROOFING SCOPE:

. CONTRACTOR TO PROVIDE WRITTEN WARRANTY FOR ALL LABOR AND MATERIALS FOR A MINIMUM OF FIVE YEARS AFTER THE DATE OF INSTALLATION. ALSO MUST PROVIDE MANUFACTURERS WRITTEN WARRANTY WHICH WILL EXCEED THE FIVE YEAR LABOR WARRANTY. MANUFACTURER TO PROVIDE A TWENTY (20) YEAR, NO DOLLAR LIMIT (NDL), EDGE TO EDGE, WATERTIGHTNESS WARRANTY INCLUSIVE OF ALL FLASHINGS AND PENETRATIONS.

CONTRACTOR SHALL TEAR-OFF AND DISPOSE OF ALL EXISTING ROOFING MATERIAL. THE EXISTING WOOD DECKS (SHEATHING) SHALL BE RE--NAILED IN ACCORDANCE WITH FBC 3401.5(H). ALL DECKS SHALL BE BROOM CLEAN AND DRY PRIOR TO THE APPLICATION OF THE NEW ROOF COVERING. CONTRACTOR SHALL INCLUDE IN THEIR PROPOSAL THE COST OF REPLACEMENT OF EXISTING ROTTEN WOOD SHEATHING, QUANTITY AS SHOWN IN THE SCHEDULE OF BID ITEMS. CONTRACTOR'S BID SHALL PROVIDE SQUARE FOOT UNIT PRICES FOR ADDITIONAL WOOD REPLACEMENT IF NECESSARY (CONTRACT CHANGE ORDER REQUIRED). NOTE: CONTRACTOR SHALL REPAIR ALL SHEATHING AROUND ALL ROOF PENETRATIONS AND PROVIDE NEW FLASHING AROUND EACH TO PROVIDE A WATERTIGHT SEAL.

3. IF UNKNOWN CONDITIONS ARE REVEALED DURING TEAR-OFF, CONTRACTOR TO NOTIFY THE TOWN OF LAKE PARK PUBLIC WORKS AND THE ARCHITECT OF PROBLEMS OR CHANGE ORDER REQUESTS BEFORE PROCEEDING. ALL MATERIALS USED IN THE ROOFING SYSTEM SHALL BE CLASS A AS APPROVED BY UNDERWRITERS LABORATORIES, INC. AND DELIVERED IN THE MANUFACTURER'S ORIGINAL PACKAGING.

4. THE WATERPROOFING MEMBRANE SHALL BE BORAL TILE SEAL UNDERLAYMENT WITH A MINIMUM OF 4" HEAD LAP (SEE MIAMI-DADE COUNTY NOA 12-1219.01). ALL HIPS AND RIDGES SHALL BE LAPPED A MINIMUM OF SIX INCHES.

5. ALL FLASHINGS AND DRIP METAL SHALL BE AS SPECIFIED BY THE ROOFING MANUFACTURER'S RECOMMENDATION TO MEET THEIR WARRANTIES.

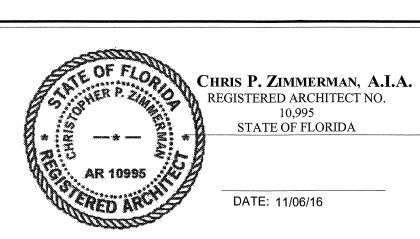
6. CONCRETE TILE ROOFING SHALL BE SPANISH "S" NUEVO CONCRETE ROOF TILE MORTAR SET IN SANGRIA BLEND COLOR. INSTALLATION SHALL BE IN ACCORDANCE WITH ALL REQUIREMENTS OF FBC 3402.3(D) AND THE MANUFACTURER'S SPECIFICATIONS OUTLINED IN THE METRO--DADE PRODUCT CONTROL NOTICE OF ACCEPTANCE NO. 14-0408.06.

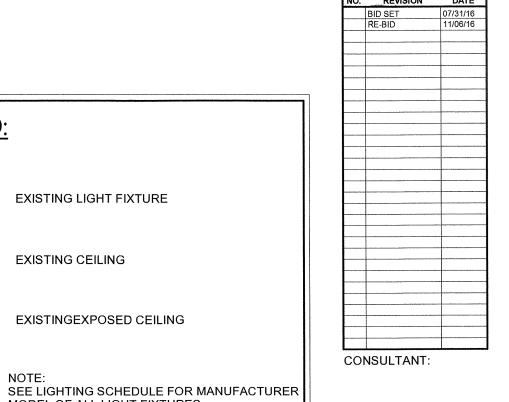
CONTRACTOR'S BID SHALL CONTAIN UNIT PRICING FOR THE REMOVAL AND REPLACEMENT OF 20 LINEAR FEET ANY DAMAGED FASCIAS, SOFFITS AND VENTS TO MATCH EXISTING. CONTRACTOR TO PAINT ALL EXISTING AND NEW FASCIA. COLOR TO MATCH EXISTING. ALL NEW WOOD TO RECEIVE PRIMER. ALL WOOD JOINTS TO BE SET IN A FULL BED OF SEALANT. GC TO PROTECT ALL FASCIA TO REMAIN.

8. REPLACE ALL EXISTING PLUMBING VENT LEAD BOOTS AND REPLACE ALL EXHAUST VENT HOODS.

9. ALL DEBRIS FROM THE CONTRACTOR'S ACTIVITIES SHALL BE REMOVED FROM THE PROPERTY AND ALL SURFACES SWEPT OR RAKED CLEAN. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROTECTION FROM THE WEATHER DURING THE RE-ROOFING AND PROTECTION OF ALL AREAS OF THE PROPERTY AFFECTED BY THE CONTRACTOR'S

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LEGEND:

EXISTING LIGHT FIXTURE

EXISTINGEXPOSED CEILING

MODEL OF ALL LIGHT FIXTURES.

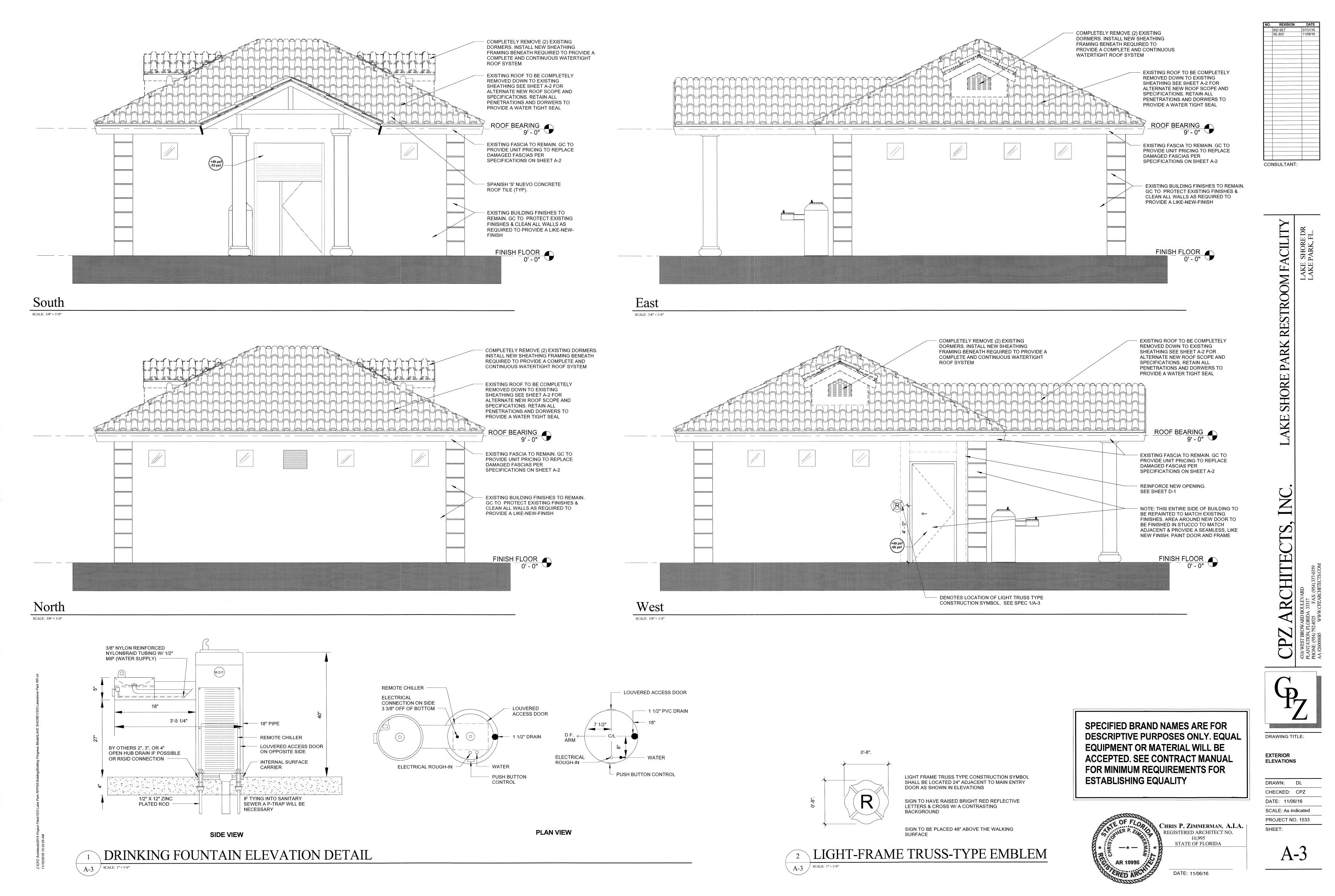
EXISTING CEILING

DRAWING TITLE:

RCP & ROOF PLAN

DRAWN: DL CHECKED: CPZ

DATE: 11/06/16 SCALE: As indicated PROJECT NO. 1533 SHEET:



1. ALL FINISHES COMPLY WITH N.F.P.A. 101 SEC. 8-3.3.

2. N.F.P.A 1221 2-1.2.3. ALL FINISHES SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPMENT RATING OF 50 OR LESS.

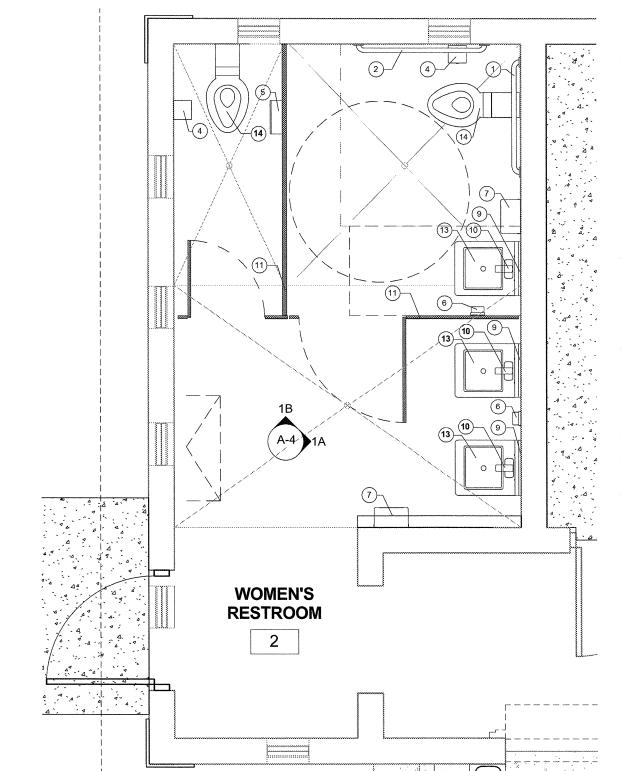
3. CONTRACTOR SHALL PERFORM MOISTURE TEST ON ALL FLOOR SLABS TO VERIFY THAT THE MOISTURE CONTENT IS ACCEPTABLE TO THE FLOORING MANUFACTURER, PRIOR TO INSTALLING ANY FLOORING.

4. CONTRACTOR TO PREP FLOOR SLAB FOR A SMOOTH AND LEVEL FLOOR INSTALLATION.

5. ALL EXISTING WALLS AND CEILING TO BE PRESSURE CLEAN, PATCH, REPAIRED FOR NEW PAINT FINISH.

0.	ALL EXISTING WA	ILLO AND OL	LILING TO BETT	CLOOUTE OLL	LAN, I ATOH, NEI AIN	LDIONNEV	VI AINT I INIOIT.	
F	INISH LEC	GEND						
FLOOR		BASI		WALI	_S	CEILINGS		
С	CARPET	V	VINYL	SC	SKIM COAT	ACT	ACOUSTICAL TILE	

FI	FINISH LEGEND									
FLOC)R	BASE		WALL	S	CEILII	NGS			
С	CARPET	V	VINYL	sc	SKIM COAT	ACT	ACOUSTICAL TILE			
CTF	CERAMIC TILE	СТВ	CERAMIC TILE	CMU	MASONRY BLOCK	GB	GYPSUM WALLBOARD			
PT	PORCELAIN TILE	PTB	PORCELAIN TILE	СТ	CERAMIC TILE	Р	PAINT			
CS	SEALED CONCRETE	WD	WOOD 4"	GB	GYPSUM WALLBOARD	PL	PLASTER			
SPT	SPORTS FLOOR	QE	QUARTZ EPOXY	Р	PAINT	EXP	EXPOSED STRUCTURE			
N	NONE	R	RUBBER	VWC	VINYL WALL COVERING					
VCT	VINYL TILE	СВ	CARPET	STCO	STUCCO					
		N	NONE	CB	CHAID DAII					



ENLARGED WOMEN'S RESTROOM

EPOXY FLOORING SPECIFICATION:

STEP 1: CONTRACTOR WILL EITHER WATER JET (AT A MINIMUM) OR GRIND THE CONCRETE SURFACE IN ORDER TO DEVELOP A FAIRLY SMOOTH FINISH. STEP 2: VAPOR CONTROL PRIMER 200 BY DEX-O-TEX, OR APPROVED EQUAL. STEP 3: DECOR-FLOR BROADCAST EPOXY FLOOR THICKNESS TO BE 1/8" BY DEX-O-TEX OR APPROVED EQUAL.

7. ALL FLOOR FINISHES TO BE INSTALLED PER MANUFACTURERS RECOMMENDATION

COLOR COORDINATION NOTE:
CONTRACTOR SHALL LAYOUT A COLOR COORDINATION MOCKUP FOR SIMILAR

ROOMS FOR REVIEW BY ARCHITECT/OWNER OR IT'S REPRESENTATIVE, PRIOR

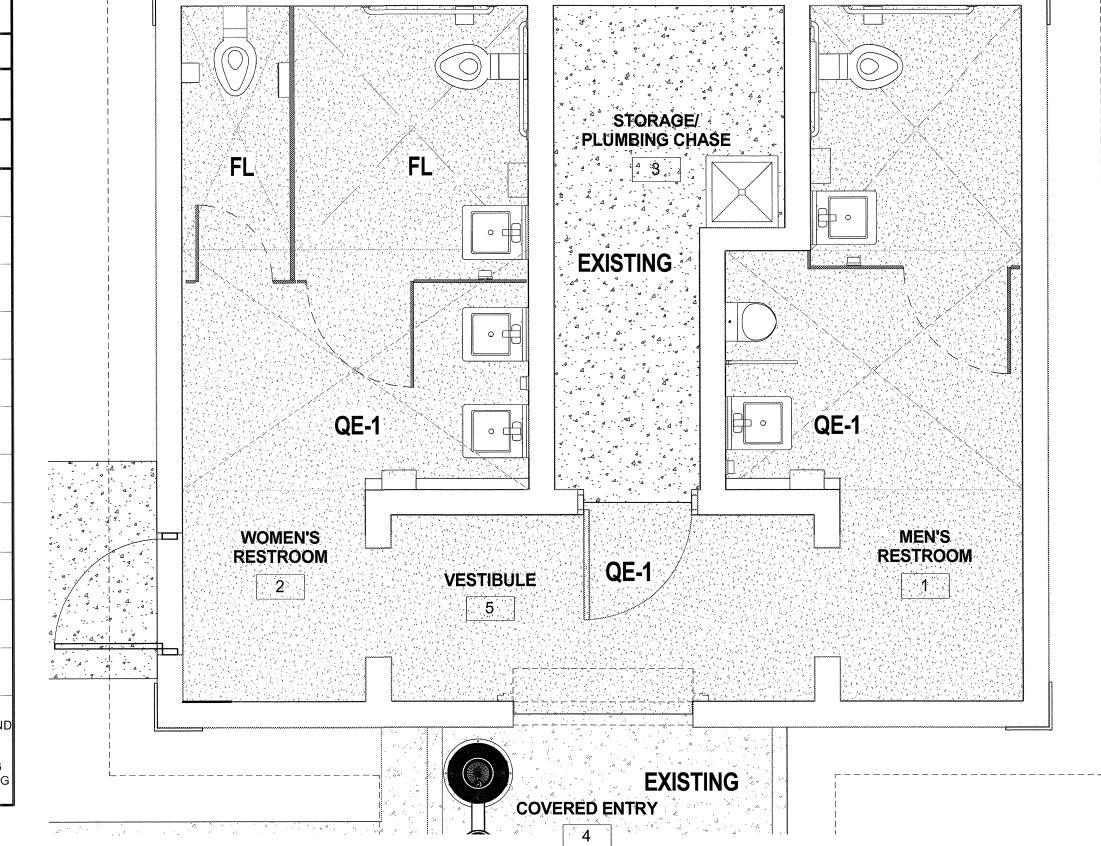
TO ORDERING FINISHES. MOCKUP SAMPLE SHALL INCLUDE: 6 S.F. FLOORING,

3 L.F. BASE AND 12 S.F. OF WALL PAINT.

STEP 4: QUICK-GLAZE BY DEX-O-TEX OR APPROVED EQUAL. CONTRACTOR TO APPLY GROUT COAT AND TOP

NOTE: COLOR TO BE DFS09. PROVIDE CONT. 6" WALL BASE WITH 5/8" RADIUS COVE. INSTALL WALL BASE PER MANUFACTURERS RECOMMENDATIONS. CONTRACTOR TO SUBMIT COLOR SAMPLES AND SHOP DRAWINGS PRIOR TO FABRICATION FOR ARCHITECT REVIEW AND APPROVAL.

FINISH MATERIALS FLOOR DEX-O-TEX DECOR FLOR BROADCAST QUARTZ OR APPROVED EQUAL EPOXY FLOORING SYSTEM - DFS 11 EXISTING EXISTING FLOORING TO REMAIN. PRESSURE CLEAN AS NEEDED TO PROVIDE A LIKE-NEW-FINISH CEILING EXISTING EXISTING CEILING. PRIMER AND 2 COATS FLAT WHITE EXPOSED STRUCTURE WALLS PAINT: PRIMER & 2 COATS. SW 6371 VANILLIN OVER SKIM COAT EXPOSED STRUCTURE 8" HIGH EPOXY BASE. SEE FLOORING SYSTEM DOORS AND FRAMES: ALL DOORS SHALL BE FACTORY PRE-PRIMED. COLOR TO BE PAINTED TO MATCH TRIM COLOR TOILET PARTITIONS: BOBRICK SIERRA SERIES SOLID COLOR REINFORCED COMPOSITE GOLDEN KHAKI SC01 OVERHEAD BRACED. ALL DOOR HARDWARE ANI MOUNTING BRACKETS MADE OF GRADE 18-8S TYPE 304 STAINLESS STEEL. GAP FREE INTERLOCKING DESIGN WITH NO SIGHT LINE FEATURE. INSTITUTIONAL STAINLES STEEL HARDWARE CONSISTING OF FULL HEIGHT U CHANNELS, ANGLE BRACKETS AND SELF-CLOSING



FINISH FLOOR PLAN

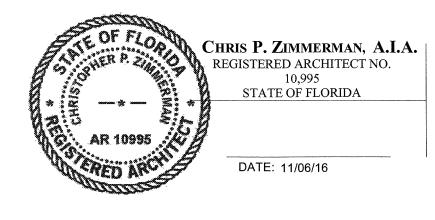
	ROOM FINISH SCHEDULE									
NUMBER	NAME	FLOOR	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING	CEILING HEIGHT	REMARKS
1	MEN'S RESTROOM	QE-1	QE-1	PT-1	PT-1	PT-1	PT-1	EXISTING	EXISTING	REPAINT ALL INTERIOR EXISTING CEILINGS FLAT WHITE
2	WOMEN'S RESTROOM	QE-1	QE-1	PT-1	PT-1	PT-1	PT-1	EXISTING	EXISTING	REPAINT ALL INTERIOR EXISTING CEILINGS FLAT WHITE
3	STORAGE/ PLUMBING CHASE	EXISTING	EXISTING	PT-1	PT-1	PT-1	PT-1	EXISTING	EXISTING	REPAINT ALL INTERIOR EXISTING CEILINGS FLAT WHITE
4	COVERED ENTRY	EXISTING	EXISTING	_	_	_	-	EXISTING	EXISTING	•
5	VESTIBULE	QE-1	-	-	_	_	-	EXP.	-	

MARK	MANUFACTURER	MODEL #	DESCRIPTION	REMARKS
1	BOBRICK WASHROOM EQUIPMENT, INC.	B-6806 SERIES	X36" GRAB BAR	SATIN FINISH, STAINLESS STEEL
	BOBRICK WASHROOM EQUIPMENT, INC.	B-6806 SERIES	X42" GRAB BAR	SATIN FINISH, STAINLESS STEEL
3	SLOAN VALVE CO.	SEE PLUMBING DRAWINGS	CONCEALED PUSH BUTTON FLUSH VALVE	SATIN FINISH, STAINLESS STEEL
•	BY OWNER		TOILET PAPER DISPENSER (DOUBLE ROLL)	
j	BOBRICK WASHROOM EQUIPMENT, INC.	B-254	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL	SATIN FINSH EXPOSED SURFACES WITH RADIUS ON CORNERS, STAINLESS STEEL
<u> </u>	BY OWNER		SOAP DISPENSER	
7	XLERATOR	EHD-501 XLERATOR	HAND DRYER	FINISH TO BE PLATED CHROME
)	BOBRICK WASHROOM EQUIPMENT, INC.	B-1556 1824	FRAMELESS, STAINLESS STEEL MIRROR	STAINLESS STEEL
10	BOBRICK WASHROOM EQUIPMENT, INC.	SEE PLUMBING DRAWINGS	ELECTRIC 'NO TOUCH' FAUCET	SATIN FINISH, STAINLESS STEEL
1	BOBRICK WASHROOM EQUIPMENT, INC.	B-1092, SC014G.67 'SIERRA SERIES'	TOILET PARTITIONS SEE TP-1 IN FINISH SCHEDULE	SOLID COLOR REINFORCED COMPOSITE
2	BOBRICK WASHROOM EQUIPMENT, INC.	B-105, SC104 'SIERRA SERIES'	URINAL SCREENS SEE TP-1 IN FINISH SCHEDULE	SOLID COLOR REINFORCED COMPOSITE
3	ACORN OR APPROVED EQUAL	SEE PLUMBING DRAWINGS	WALL HUNG BASIN	STAINLESS STEEL
14	ACORN	SEE PLUMBING DRAWINGS	TOILET	STAINLESS STEEL

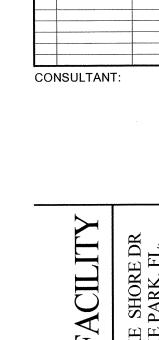
SEE PLUMBING DRAWINGS

SPECIFIED BRAND NAMES ARE FOR **DESCRIPTIVE PURPOSES ONLY. EQUAL EQUIPMENT OR MATERIAL WILL BE** ACCEPTED. SEE CONTRACT MANUAL FOR MINIMUM REQUIREMENTS FOR **ESTABLISHING EQUALITY**

WALL HUNG URINAL



STAINLESS STEEL

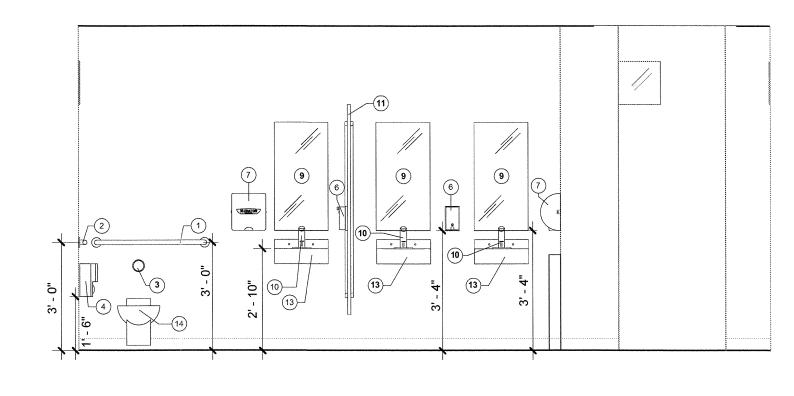


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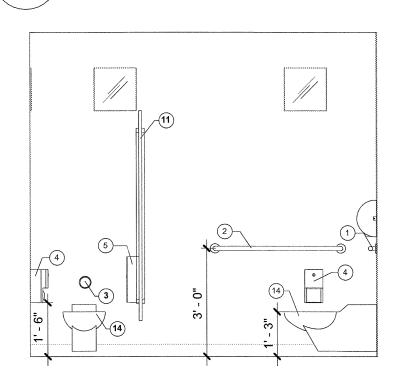
FINISH FLOOR PLAN

DRAWN: DL CHECKED: CPZ DATE: 11/06/16

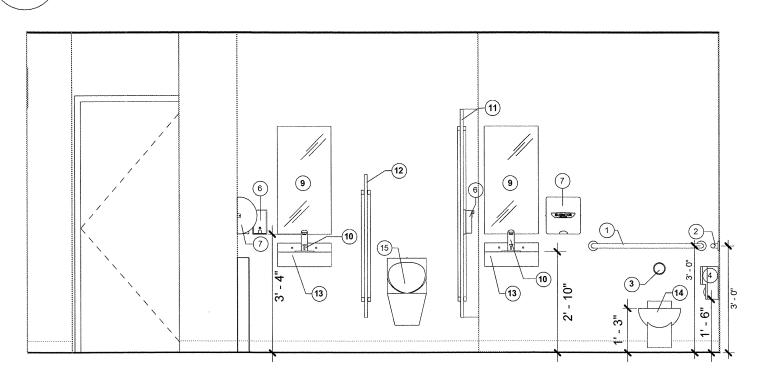
SCALE: As indicated PROJECT NO. 1533



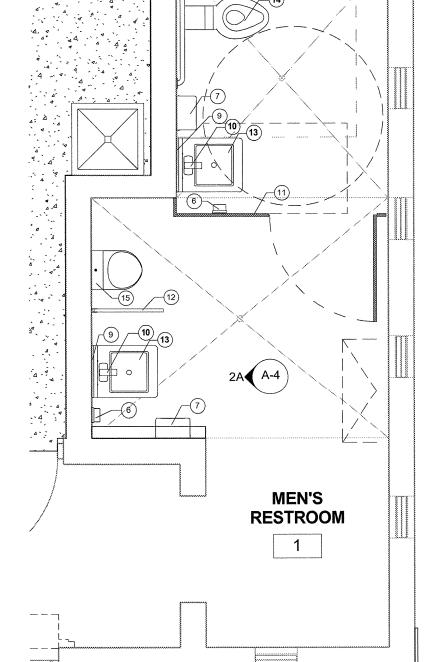
1A INT. ELEVATION 1A $A-4 \qquad \text{SCALE: } 3/8"=1"-0"$



INT. ELEVATION 1B A-4 SCALE: 3/8" = 1'-0"



2A INT. ELEVATION 2A



ENLARGED MEN'S RESTROOM

A-4 SCALE: 3/8" = 1'-0"

A-4 SCALE: 3/8" = 1'-0"

ACORN

1. DETAILS INDICATE BASIC WALL CONSTRUCTION AND

DIMENSIONS. ALSO SEE INTERIOR ELEVATIONS AND

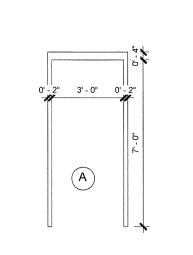
2. ALL DOORS AND HARDWARE SHALL COMPLY WITH

FINISH SCHEDULE FOR SPECIAL FINISHES.

NFPA 101, SECTION 7.2.1

MIRROR

3 DO NOT UNDERCUT DOORS.



DOOR AND FRAME ELEVATIONS

SOAP

ADA TOILET ACCESSORY HEIGHTS

DISPENSER

CLEAR WIRE	
TEMPERED, CLEAR	DOOD N
NARROW GLASS	II DOOR N

TOWELS

FULL GLASS IMPACT GLASS

FULL FLUSH WOOD PREHUNG WDP WOOD, PAINTED STORE FRONT STORE-FRONT/SIDE-LITE SF/LT HOLLOW METAL SIDE-LITE WOOD/GLASS

VIEW PANEL

TYPICAL

WITH

ALUMINUM

STEEL UNDERCUT LOUVER

METAL PAINTED

HARDWARE GROUP

SOLID CORE WOOD,

ALUM

STL

HG

COVER

MTL PT

SCW-PT PAINTED C.W. T.C. NG

DOOR ABBREVIATIONS

POWDER COATED

TOWEL

SANITARY NAPKIN

HARDWARE NOTES

1. CONTRACTOR SHALL COORDINATE ALL HARDWARE REQUIREMENTS WITH THE OWNER PRIOR TO ORDERING.

2. ALL HINGES SHALL BE STAINLESS STEEL FINISH, BALL BEARING HINGES. HAGER ECBB 1100 US 32D

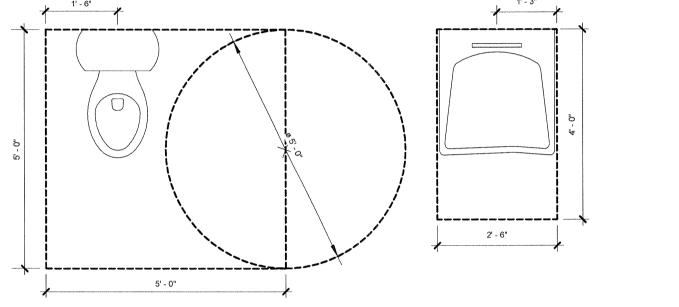
3. ALL DOOR CLOSERS TO BE BY LCN GRADE, ADA CODE COMPLIANT AND EQUIPPED WITH HOLD. 4. ALL DOORS AND FRAMES SHALL HAVE DOOR

5. LOCKSETS SHALL BE SCHLAGE ND - SERIES W/ STAINLESS STEEL FINISH AND EQUIPPED WITH SIX PIN SFIC CYLINDERS. WILSON-ROWAN LOCKSMITH IN WEST PALM BEACH IS THE RECOMMENDED VENDER FOR THE KEYING OF ALL LOCKS TO MATCH THE TOWN'S KEYING SYSTEM.

HARDWARE SCHEDULE:

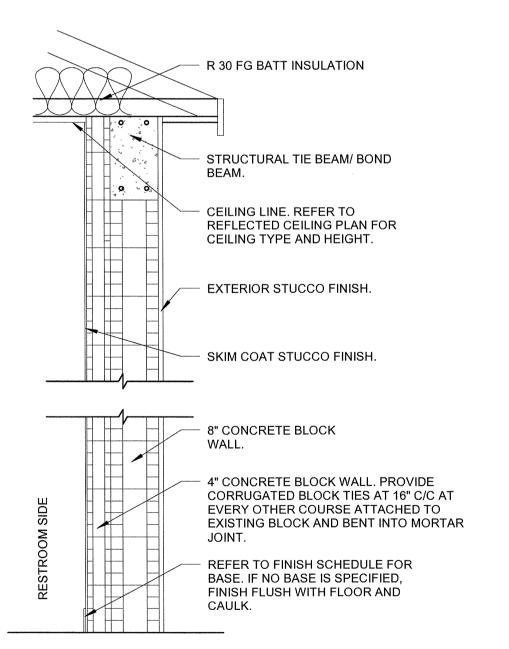
HW-1: RESTROOMS 1 1/2 PAIR S.S. BALL BEARING HINGES 1 CLASSROOM SECURITY LOCKSET. SCHLAGE ND - SERIES W/ 6 PIN SFIC CORES. PROVIDE LEVER HANDLE. FINISH TO BE STAINLESS STEEL. 3 SILENCERS 1 LCN SERIES 4000 CLOSURE W/ HOLD OPEN, POWDER COATED FINISH, METAL COVER, ADA ACCESSIBILITY CYLINDER - MOUNT ON PUSH SIDE

BLOCKING DETAIL @ BLOCK WALL



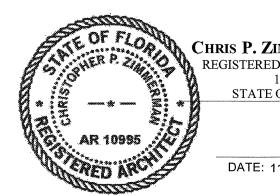
ACCESSIBLE WATER CLOSET & LAVATORY REQUIRED CLEAR FLOOR SPACES A-5 | SCALE: 1/2" = 1'-0"





INTERIOR 4" BLOCK WALL W/8" BLOCK WALL





CONSULTANT:

GRAB BAR SHALL BE SECURED AS TO WITHSTAND A LOAD OF NOT LESS THAN 250 LBS. APPLIED AT ANY POINT AND IN ANY DIRECTION.

FLANGE

COVER

MENS WOMENS RAISED LETTERS, BRAILLE & SYMBOLS IN ACCORDANCE WITH ADA.

ALL CORNERS TO BE RADIUSED.

SEE FINISH SCHEDULE

ANCHOR PLATE

GRAB BAR W/ CONCEALED

BACKGROUND COLOR TO BE "194 PEARL GRAY" WITH "103 BLACK" LETTERS. (LRV=90). MOUNTING METHOD TO BE CONSTRUCTION ADHESIVE. MOUNTING HEIGHT TO BE 5'-0" A.F.F. TO CENTERLINE OF SIGN.

ALL SIGNAGE TO BE MOUNTED TO COMPLY WITH ADA REQUIREMENTS.

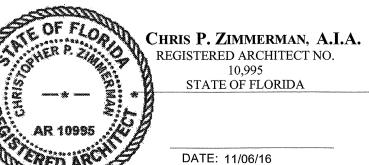
SUBMIT SHOP DRAWINGS FOR ARCHITECT'S APPROVAL PRIOR TO FABRICATION. SIGNS TO BE ALUMINUM

SIGNAGE

BLOCK WALL



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AKE SHORE PARK RESTROOM FACILITY

DOOR SCHEDULE & **DETAILS**

DRAWING TITLE:

DRAWN: DL CHECKED: CPZ DATE: 11/06/16 SCALE: As indicated PROJECT NO. 1533 SHEET:

A-5

A-5

SCALE: 3"=1'-0"

EXT. BLOCK WALL - JAMB

STUCCO FINISH

EXTERIOR SEALANT

SPECIFICATIONS

GALV. DOOR FRAME

5/8" GYPSUM BOARD

GALV. MTL. CORNER BEAD

GALV. METAL FURING AT 1'4" C/C.

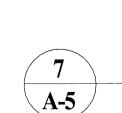
FILL JAMB SOLID WITH GROUT

CONCRETE FILLED BLOCK CELL

PROVIDE ANCHORS IN

ACCORDANCE WITH THE METRO-DADE PRODUCT APPROVAL

PROVIDE SILL ANCHOR AT THE FLOOR



HEAD

EXT. BLOCK WALL - HEAD SCALE: 3"=1'-0"



STUCCO FINISH (EXTERIOR)

CONCRETE FILLED LINTEL

OR CONCRETE BEAM

CORNER BEAD

EXTERIOR SEALANT

GALV. FRAME FILL WITH GROUT



SILL

SCALE: 3"=1'-0"

GALV. FRAME BEYOND

ALL AROUND

THRESHOLD

OF THRESHOLD.

GALV. INSULATED DOOR

WITH WEATHER STRIPPING

1/2" HIGH ALUMINUM BUMPER

PROVIDE FULL BEAD OF

FRONT AND REAR EDGES

EXTERIOR SEALANT ALONG

INSULATED COILING

HEAD

SILL

JAMB

STUCCO FINISH

HOOD BEAD

COIL TYPE GARAGE DOOR DETAIL

OVERHEAD COILING DOORS:

1. OVERHEAD DOORS SHALL BE MODEL 610 AS MANUFACTURED BY "OVERHEAD DOOR CO." OR ARCHITECT APPROVED EQUAL. DOORS SHALL HAVE MIAMI-DADE COUNTY PRODUCT APPROVAL FOR LARGE MISSLE IMPACT. NOTICE OF ACCEPTANCE #15-1228.03. CONTRACTOR SHALL SUBMIT FULLY DETAILED SHOP DRAWINGS WITH PRODUCT APPROVAL. SLATES TO BE MINIMUM 18 GAUGE.

2. GENERAL CONTRACTOR SHALL COORDINATE THE INSTALLATON REQUIREMENTS AND ANCHORING DETAIL OF THE DOORS WITH THE CONCRETE COLUMNS, PRIOR TO POURING COLUMNS, TO ASSURE THAT THE REINORCING STEEL IS CLEAR FROM THE AREA THAT IS REQUIRED FOR THE ANCHOR BOLTS OF THE DOOR SUPPORTS.

3. DOORS SHALL BE MANUALLY CHAIN OPERATED, WITH PADLOCKABLE CHAIN KEEPER ON GUIDE. CHAIN HOIST OPERATOR TO HAVE ENDLESS STEEL CHAIN, CHAIN POCKET WHEEL GUARD, AND GEAR REDUCTION

4. DOORS AND ALL EXPOSED STEEL SHALL BE GALVANIZED, PHOSHATE TREATED FOLLOWED WITH A BAKED-ON POLYESTER POWDER COAT FINISH (MINIMUM 2.5 MILS CURED FILM THICKNESS) TO MATCH TRIM COLOR SHOWN ON THE BUILDING ELEVATIONS.

5. PROVIDE GALV. POWDER COATED STEEL HOOD WITH REINFORCED TOP AND BOTTOM EDGES WITH 1/4" THK STEEL INTERMEDIATE SUPPORT TO PREVENT EXCESSIVE SAG. PROVIDE 24 GAUGE OPERATOR AND BRACKET MECHANISM COVER.

6. DOORS SHALL HAVE A FULL ONE YEAR WARRANTY, FULLY EXEUTED AND DATED STARTING ON THE DATE OF SUBSTAINTIAL COMPLETION.

7. INSTALL DOORS COMPLETE WITH ALL REQUIRED FASTENERS AND ACCESSORIES. UPON COMPLETION

LUBRICATE, TEST AND ADJUST DOORS FOR EASE OF OPERATION, FREE FROM WARP, WIST OR DISTORTION. 8. FINISH TO BE POWDER COATED, COLOR TO BE SELECTED BY OWNER. PROVIDE COAT COMPLETE COVER OVER COILING BAR.

CONSULTANT:

RESTROOM FACILITY SHORE PARK

DRAWING TITLE:

DOOR DETAILS

DRAWN: DL CHECKED: CPZ DATE: 11/06/16 SCALE: As indicated PROJECT NO. 1533

SHEET: A-6

CHRIS P. ZIMMERMAN, A.I.A. REGISTERED ARCHITECT NO. 10,995 STATE OF FLORIDA DATE: 11/06/16

SPECIFIED BRAND NAMES ARE FOR

EQUIPMENT OR MATERIAL WILL BE

FOR MINIMUM REQUIREMENTS FOR

ESTABLISHING EQUALITY

ACCEPTED. SEE CONTRACT MANUAL

DESCRIPTIVE PURPOSES ONLY. EQUAL



RESTORED TO ORIGINAL CONDITION.

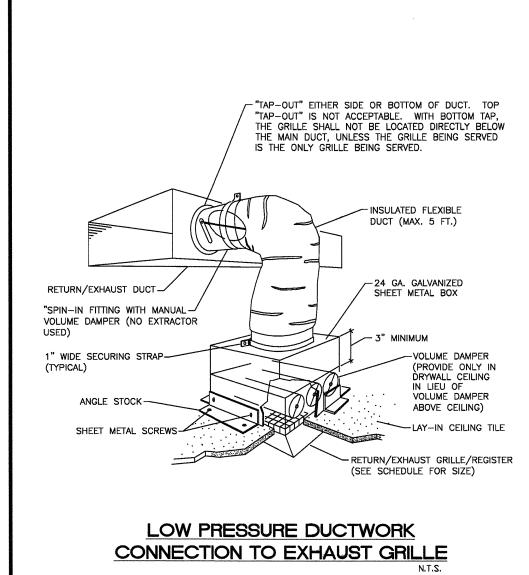
- ALL MECHANICAL SYSTEMS ARE TO BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NFPA STANDARDS, ANSI STANDARDS, THE LOCAL BUILDING CODE, NOISE & HEIGHT ORDINANCES, PLANS AND SPECIFICATIONS. ALL MATERIALS SHALL BE NEW AND ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, PRODUCT APPROVAL, RULES AND ORDINANCES, ANY DAMAGED EQUIPMENT SHALL BE REPLACED OR
- THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, ACCESS PANELS, CONTROL SYSTEMS, DEVICES, PERMITS AND SERVICES NECESSARY FOR FURNISHING AND INSTALLING A COMPLETE OPERABLE MECHANICAL SYSTEM. ALL LOUVERS, GRILLES, PIPING, ETC. SHALL BE PAINTED TO MATCH
- SURROUNDING COLOR AND TEXTURES AS REQUIRED BY ARCHITECT. VERIFY COLOR AND TEXTURE WITH ARCHITECT. PAINT ALL EXPOSED MECHANICAL EQUIPMENT WITH BENJAMIN MOORE EPOXY ENAMEL 182.
- . ALL CUTTING, PATCHING, STRUCTURAL STEEL, WEATHER PROOFING, PAINTING, AND WALL OPENINGS SHALL BE BY THE GENERAL CONTRACTOR.
- ALL OPENINGS IN BUILDING STRUCTURE, FOR DUCTWORK, PIPING, ETC. TO BE 1/2" LARGER (ON ALL SIDES) THEN THE OUTSIDE DIMENSIONS. FILL VOIDS WITH FIRE RETARDANT SILICONE FOAM (I.E. CHASE—FOAM CTC PR—855 BY CHASE
- PROVIDE FLEXIBLE DUCT CONNECTORS, RATED AS REQUIRED, TO ALL FANS, A/C UNITS, OR MECHANICAL EQUIPMENT.
- PROVIDE MAINTENANCE AND OPERATION MANUAL ON ALL MECHANICAL EQUIPMENT OR SYSTEMS. PROVIDE 5 SETS OF SUBMITTALS ON ALL HVAC EQUIPMENT. SUBMITTALS SHALL HAVE A SUMMARY SHEET SHOWING ALL SCHEDULED INFORMATION.
- HVAC CONTRACTOR WILL WARRANTY ALL MECHANICAL SYSTEMS, DUCTWORK, THERMOSTATS, AND ALL OTHER EQUIPMENT, PARTS AND LABOR UNDER THESE DRAWINGS AND SPECIFICATIONS FOR A PERIOD OF ONE (1) YEAR AFTER C.O. OF BUILDING. ANY REPAIRS REQUIRING SYSTEM SHUT DOWN WILL BE DONE DURING NON OPERATIONAL PERIODS. HVAC CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES PRIOR TO BIDDING AND PURCHASING ANY EQUIPMENT.
- 10. AIR QUALITY SHOULD BE TESTED BEFORE OCCUPANCY AND SHOULD BE INSTRUMENTED AND MONITORED THEREAFTER, OR AT LEAST AT REGULAR INTERVALS

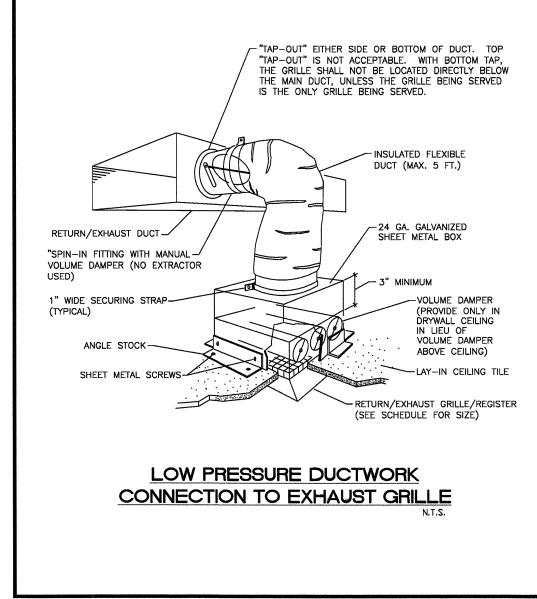
MECHANICAL EQUIPMENT NOTES:

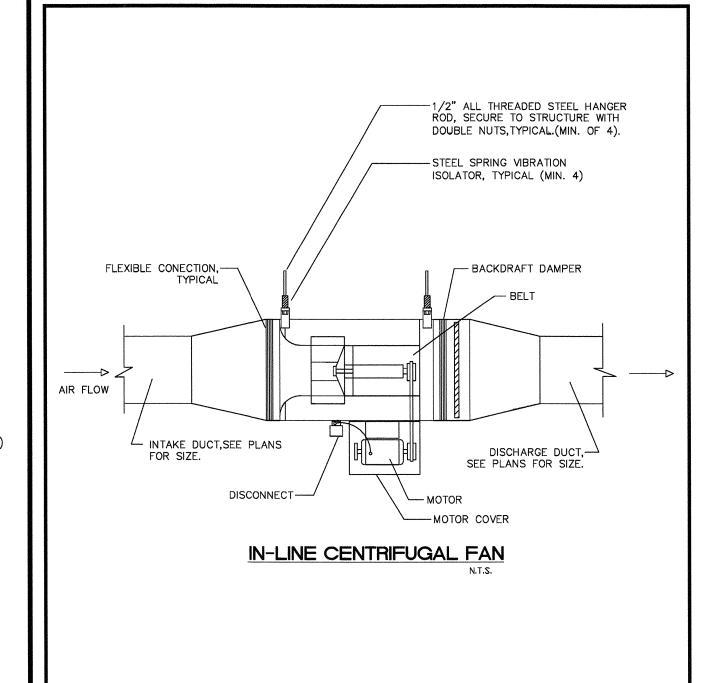
- ALL MECHANICAL EQUIPMENT SHALL BE ARI & U.L. LISTED WHERE APPLICABLE AND RATED FOR THE REQUIRED SERVICE, PRESSURES, TEMPERATURES, AND SHALL BE PROVIDED WITH ALL NECESSARY TRANSFORMERS, SEALS, VALVES, CONNECTIONS, ETC. TO FUNCTION PROPERLY.
- PROVIDE BACKDRAFT DAMPERS ON ALL EXHAUST FANS AND/OR INLINE FANS.
- PROVIDE VIBRATION ISOLATORS ON ALL MECHANICAL EQUIPMENT AS CALLED FOR IN THE SPECIFICATIONS. IF NOT SPECIFIED, AS RECOMMENDED BY MANUFACTURER FOR QUIET OPERATION (WITH 99% ISOLATION EFFICIENCY).
- PROVIDE A MIN. OF 10' CLEARANCE BETWEEN O/A INTAKES AND VTR OR EXHAUST OPENINGS.
- INDEPENDENT CONTRACTOR SHALL TEST AND BALANCE ALL MECHANICAL EQUIPMENT AIR DEVICES, EXTRACTORS, DAMPERS, AHU'S & FAN RATES, ETC. TO PROVIDE THE DESIGN QUANTITIES AS SHOWN ON THE PLANS OR SCHEDULES. PROVIDE T & BREPORT IN ACCORDANCE WITH THE AIR BALANCE COUNCIL STANDARDS, SIGNED AND SEALED BY A REGISTERED FLORIDA ENGINEER. PROVIDE FINAL BALANCING FOR ALL SYSTEMS TO SATISFACTION OF OWNER AND ENGINEER. T & B CONTRACTOR SHALL VISIT JOB SITE DURING CONSTRUCTION TO ENSURE THAT ALL DUCTS, DAMPERS, ETC. ARE INSTALLED FOR PROPER AND QUIET AIR DELIVERY.
- MOUNT ALL ROOFTOP EQUIPMENT FOR WIND LOADS AND MOUNTING HEIGHTS AS REQUIRED BY LOCAL CODES, ALL CURBS SHALL EXTEND 8" MIN. ABOVE FINISHED ROOF.
- ALL PIPING AND DUCTWORK SHALL BE SLEEVED THRU WALLS, BEAMS, SLABS, ETC, AS REQUIRED AND COORDINATED WITH THE STRUCTURAL ENGINEER. REWORK BAR JOIST CROSS BRACING AND PROVIDE NECESSARY TRANSITIONS AS REQUIRED FOR DUCTWORK INSTALLATION.
- 8. ALL INSULATION WILL HAVE FIRE/SMOKE RATING LESS THAN 25/50.
- 9. PROVIDE MOTOR STARTERS AS FOLLOWS (UNLESS OTHERWISE RECOMMENDED BY MOTOR MANUFACTURER):
 A: PROVIDE OVERLOAD PROTECTION 1/3 HP AND ABOVE (ALL PHASES).
 B: PROVIDE ACROSS THE LINE VOLTAGE STARTING BELOW 25 HP.
- 10. ALL OUTDOOR EQUIPMENT SHALL COMPLY WITH LOCAL ZONING NOISE ORDINANCES. MIN. REQUIREMENT SHALL NOT EXCEED A NOISE LEVEL OF 65 DB AS MEASURED RADIALLY 30 FT FROM THE EQUIPMENT IN ALL DIRECTIONS.

AIR DISTRIBUTION / DUCTWORK NOTES :

- 1. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE. 2. PROVIDE OFF WHITE FINISH (SUBJECT TO ARCHITECT'S APPROVAL).
- ALL DUCTWORK WHERE ALLOWED BY LOCAL CODES AND AND CEILING RATING SHALL
 BE 1" LOW PRESSURE DUCT, SEAL CLASS "C" AND AS FOLLOWS:
 A. S/A & R/A 1-1/2" THICK FIBERGLASS DUCT BOARD WITH VAPOR BARRIER (R-6 MIN.)
 B. EXHAUST AIR DUCTWORK - GALVANIZED SHEETMETAL
- C. OUTSIDE AIR DUCTWORK INSULATED GALVANIZED SHEETMETAL
- 4. ALL DUCTWORK AND DIFFUSERS SHALL BE RATED FOR THE USE, PRESSURE AND TEMPERATURE SPECIFIED AND AS REQUIRED BY THE CEILING SYSTEM RATING.
- ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH "SMACNA" STANDARDS AND LOCAL BUILDING CODES.
- 6. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS. SEAL ALL DUCTS, JOINTS AND SEAMS IN AN APPROVED MANNER AND INSURE AGAINST LEAKAGE.
- PROVIDE ACCESS DOORS AS REQUIRED FOR ALL MECHANICAL EQUIPMENT TO SERVICE AND VISUALLY CHECK ROTATION OF FANS AND MOTORS, POSITION OF DAMPERS, REPLACE FIRE DAMPER LINKS, ADJUST OR REPLACE CONTROLS, ETC.
- PROVIDE VANED ELBOWS IN ALL CASES, SPLITTER DAMPERS WHERE INDICATED ON DRAWINGS AND VOLUME CONTROL DAMPERS IN ALL BRANCH DUCTS OR DIFFUSER CONNECTIONS.







	EXHAUST FAN SCHEDULE												
5.50.0			EXT.		FAN DATA	4	Е	LECTRICA	L MOTOR DATA		WEIGHT	MANUE (4400E)	NOTEC
DESIG.	SERVES	CFM	S.P.	TYPE	RPM	DRIVE	H.P.	RPM	VOLT/PH/HZ	STARTER	(LBS)	MANUF/MODEL	NOTES
EF-LP-1	TOILET ROOMS	1000	0.5	CENT. IN-LINE	1513	DIRECT	1/4	1725	120/1/60	НОА	56	GREENHECK/ SQ-100-VG	ALL
													PRODUCTS SPECIFIED ARE BASIS OF DESIGN OR APPROVED EQUALS WILL BE REVIEWED.

- 1) BACK DRAFT DAMPER.
- 2) PROVIDE WITH INTEGRAL STARTER & DISCONNECT SWITCH.
- (3) INTERLOCK FAN WITH MOTORIZED ROLL UP DOOR.

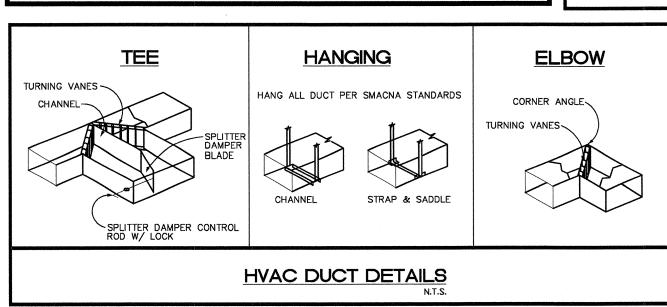
	AIR DEVICE SCHEDULE									
DESIG.	SIZE	OBD	FINISH	THROW	NECK SIZE	MANUFACTURER/MODEL NO.	REMARKS/NOTES			
E1	12"x12"	YES	WHITE	N/A	1	TITUS/50F	CEILING EXHAUST AIR GRILLE ② ③ ④			

- ① 6"ø 0-100 CFM ② CONTRACTOR TO COORDINATE FRAME AND CORE AND CORE OF AIR DEVICE U.N.O... NECK SIZE OF AIR DEVICE U.N.O..

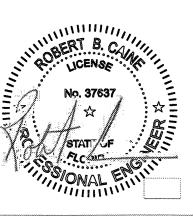
 (5) ALUMINUM BORDER AND CORE.
- 10"ø 226-400 CFM 12" 401-600 CFM 3 PROVIDE PFS FRAME FOR MOUNTING OF

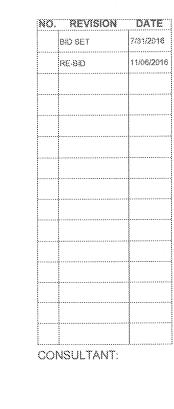
14"¢ 601-900 CFM LAY-IN GRILLE FOR PLASTER EXISTING CEILINGS.

DWG. NO.	DRAWING DESCRIPTION						
M-0	DETAILS, SCHEDULES & GEN. NOTES						
M-1	BUILDING PLAN						



SPECIFIED BRAND NAMES ARE FOR DESCRIPTIVE PURPOSES ONLY. EQUAL EQUIPMENT OR MATERIAL WILL BE ACCEPTED. SEE CONTRACT MANUAL FOR MINIMUM REQUIREMENTS FOR ESTABLISHING EQUALITY





DRAWING TITLE: MECH. DETAILS, SCHEDULES & GEN. NOTES

DRAWN: Author CHECKED: Checker DATE: 4/11/2016

SCALE: PROJECT NO. 1533 SHEET:

M-0

NO. REVISION DATE

RE-BID

CONSULTANT:

DRAWING TITLE:

BUILDING
PLAN MECHANICAL

DRAWN: Author
CHECKED: Checker

CHECKED: Checker

DATE: 4/11/2016

SCALE:

PROJECT NO. 1533

SHEET:

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ASPOYED AND GETINED MODIL EST-635D
PROVED ANCA CERTIFED LOUVER & INSTALL PER
MANUFACTURER'S NOA PROVIDE HEAVY GAUGE
ALUMINUM FRAMES AND BLADES

TORAGE! BACK OF LOUVER

WOMEN'S
RESTROOM

EVISTING LOUVERED

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WOMEN'S
RESTROOM

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TORAGE! AND BLADES

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SPECIFIED BRAND NAMES ARE FOR DESCRIPTIVE PURPOSES ONLY. EQUAL EQUIPMENT OR MATERIAL WILL BE ACCEPTED. SEE CONTRACT MANUAL FOR MINIMUM REQUIREMENTS FOR ESTABLISHING EQUALITY



ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (2014 5TH EDITION), NATIONAL ELECTRIC CODE (2011), NFPA 72 (2010), FFPC (2010), AND ANY AND ALL OTHER ORDINANCES HAVING JURISDICTION.

IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK SHOWN AND/OR NOTED ON THE DRAWINGS AND SPECIFICATIONS.

4. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.

ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS AND COUNTS AS SHOWN AND/OR NOTED ON THE DRAWINGS. THIS SHALL INCLUDE ANY AND ALL FABRICATIONS REQUIRED PRIOR TO

IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE ADVANCED ORDERING OF LONG LEAD ITEMS SO AS NOT TO INTERFERE WITH THE PRODUCTION OF OTHER TRADES RESULTING IN ANY DOWN OR LAG TIME.

CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM DATE OF ACCEPTANCE, UNLESS INDICATED OR SPECIFIED OTHERWISE.

CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.

THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR TO ORIGINAL CONDITIONS ANY AND ALL DAMAGES TO BUILDING SURFACES, EQUIPMENT AND FURNISHINGS CAUSED DURING PERFORMANCE OF WORK.

ELECTRICAL CONTRACTOR SHALL NOT SCALE DRAWINGS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT UNLESS NOTED OTHERWISE.

ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED FOR THE INTENDED USE, WITH UNDERWRITER'S LABORATORIES, INC. (UL) WHERE STANDARDS HAVE BEEN ESTABLISHED BY UL. AS A MINIMUM, ALL EQUIPMENT SHALL MEET APPLICABLE STANDARDS FOR THE TYPE OF EQUIPMENT AND INTENDED USE OF THE

A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI). B. ILLUMINATING ENGINEERS SOCIETY (IES). C. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM). D. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).

NOTE: THESE STANDARDS ARE SUBORDINATE TO CODES AND STANDARDS SET BY UL.

IT IS NOT THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL BE EXPECTED TO PROVIDE ALL ITEMS AND EQUIPMENT NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL ELECTRICAL SYSTEM.

13. ALL CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT ROUTING SHALL BE DETERMINED IN THE FIELD, UNLESS OTHERWISE NOTED. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THE PROPER NUMBER OF CONDUCTORS IN ALL RACEWAYS AS REQUIRED TO ACCOMPLISH THE PROPER FUNCTIONING OF THE DEVICE OR EQUIPMENT AS SHOWN.

14. THE ELECTRICAL CONTRACTOR SHALL KEEP ALL AREAS IN WHICH WORK IS BEING PER-FORMED, FREE FROM DEBRIS AT ALL TIMES AND SAID AREAS SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.

15. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND TESTING.

ARCHITECTURAL AND/OR ENGINEERING EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THAT CONTRACTOR.

17. COORDINATE ALL ELECTRICAL SITE WORK WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.

18. ALL CONDUCTORS SHALL BE IN CONDUITS. ALL CONDUITS SHALL BE INTERMEDIATE (IMC) OR RIGID GALVANIZED STEEL (RGS) EXCEPT THAT: (α) POLYVINYL CHLORIDE (PVC) CONDUITS MAY BE USED IN CONCRETE SLABS AND UNDERGROUND PROVIDED ELBOWS AND RISERS ARE RGS: (b) ELECTRICAL METALLIC TUBING (EMT) MAY BE USED IN OR ON WALLS OR CEILING WHERE NOT SUBJECT TO MECHANICAL DAMAGE, DAMP CONDITIONS OR CORROSIVE CONDITIONS; (c) LIQUID—TIGHT FLEXIBLE CONDUIT WHERE REQUIRED; (d) FLEXIBLE METALLIC CONDUIT WHERE REQUIRED IN DRY LOCATIONS; (e) THE USE OF AC OR MC CABLES SHALL BE PROHIBITED. ALL CONDUITS IN HAZARDOUS AREAS (PER NEC) SHALL MEET THE REQUIREMENTS OF NEC CHAPTER 5.

19. FOR UNDERGROUND ELECTRICAL CONDUITS, PROVIDE PULL BOXES, SUCH THAT NO SINGLE CONDUIT RUN HAS BENDS IN EXCESS OF 360. PULL BOXES SHALL BE SUITABLE AND APPROVED FOR THE INTENDED USE. WHERE CONDUITS PASS UNDERNEATH PAVED AREAS THEY SHALL BE RGS. WHERE UNDERGROUND CONDUITS ARE NOT EXPOSED TO MECHANICAL DAMAGE OR ARE NOT UNDER PAVED AREAS, THEY MAY BE SCHEDULE 40 PVC, BUT ALL CONDUIT RISERS SHALL BE RGS. RGS CONDUITS SHALL EXTEND A MINIMUM OF 18" BELOW GRADE.

20. APPLY BITUMASTIC COATING TO ALL METALLIC CONDUITS IN SLABS OR UNDERGROUND.

21. ALL CONDUCTORS SHALL BE COPPER U.O.N., TYPE THHN OR THWN INSULATION, RATED 75°C WET/DRY EXCEPT WHERE OTHERWISE REQUIRED BY U.L. OR CODES UNLESS OTHERWISE NOTED. MINIMUM WIRE SIZE SHALL BE #12 AWG EXCLUDING CONTROL WIRING.

22. WIRE WAYS SHALL BE SIZED AS REQUIRED, PER NEC, UNLESS OTHERWISE NOTED.

23. ALL ELECTRICAL EQUIPMENT SHALL BE RAINTIGHT WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED TO SUCH EQUIPMENT SHALL BE LIQUID—TIGHT.

24. CIRCUIT BREAKERS SHALL BE BOLT—ON U.O.I., INVERSE TIME—TYPE (THERMAL—MAGNETIC).
TWO AND THREE—POLE CIRCUIT BREAKERS SHALL HAVE COMMON TRIP. ALL PANELBOARDS
SHALL HAVE COPPER BUS.

25. WHERE CORE DRILLING OF FLOOR/WALLS IS REQUIRED, CONTRACTOR SHALL SEAL OPENINGS WATERTIGHT AFTER UTILITIES HAVE BEEN INSTALLED. LOCATION OF CORED HOLES SHALL BE COORDINATED WITH LOCATION OF EQUIPMENT IN A MANNER TO BE CLEAN AND FUNCTIONAL. THE CONTRACTOR SHALL INSTALL ONLY ONE CONDUIT PER HOLE AND SEAL THE OPENING AROUND THE CONDUIT AS SPECIFIED.

26. PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS. IT SHALL BE THE RESPON—SIBILITY OF THE ELECTRICAL CONTRACTOR TO VERIFY, PRIOR TO SUBMITTING BID, LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALLS, AND STRUCTURAL SLABS.

BALLASTS SHALL HAVE MIN. POWER FACTOR OF 0.90. BALLASTS FOR METAL HALIDE AND HIGH PRESSURE SODIUM FIXTURES SHALL BE CONSTANT WATTAGE TYPE WITH 5% LAMP WATTS FOR 10% NOMINAL LINE VOLTAGE VARIATION.

28. THE EQUIPMENT GROUNDING TERMINAL BARS OF THE NORMAL AND EMERGENCY ELECTRICAL SYSTEM PANELBOARDS SERVING THE SAME BUILDING SHALL BE BONDED TOGETHER WITH AN INSULATED, CONTINUOUS, COPPER CONDUCTOR NOT SMALLER THAN NUMBER 6.

29. PROVIDE LAMPS WITH FIXTURES, SEE LUMINAIRE SCHEDULE FOR LAMP TYPE.

30. ALL CONNECTIONS TO GROUND RODS & BUILDING STEEL SHALL BE MADE WITH UL APPROVED WELDED CONNECTIONS, UNLESS OTHERWISE NOTED.

PROVIDE A FUSE HOLDER AND FUSE IN THE PRIMARY SIDE OF EACH UNGROUNDED CONDUCTOR FOR EACH BALLAST (BUSSMAN HEB AND FNQ OR EQUAL), AT THE HAND HOLE OF EACH EXTERIOR POLE MOUNTED LIGHTING FIXTURE OR J—BOX FOR WALL OR GROUND MOUNTED EXTERIOR FIXTURES.

32. PROVIDE TEMPORARY ELECTRICAL SERVICE FOR USE BY ALL TRADES DURING CON-STRUCTION AND REMOVE SAME AT COMPLETION OF PROJECT,

33. THE ELECTRICAL CONTRACTOR SHALL FURNISH A COMPLETE SET OF AS—BUILT DRAWINGS, SHOWING ALL CHANGES AND DEVIATIONS TO THE ARCHITECT/ENGINEER PRIOR TO COMPLETION OF THE PROJECT.

34. PREPARE AND AFFIX A TYPEWRITTEN DIRECTORY TO THE INSIDE COVER OF EACH PANELBOARD INDICATING LOADS SERVED BY EACH CIRCUIT.

ELECTRICAL SYMBOLS LEGEND

NOT ALL SYMBOLS SHOWN ARE FOR THIS PROJECT

1X4 SURFACE FIXTURE

1X4 SURFACE EMERGENCY FIXTURE

EMERGENCY BATTERY WALL MOUNTED LIGHT FIXTURE

OR CEILING OR WALL MOUNTED EXIT SIGNS. CHEVRONS & SHADED AREA DETERMINES THE DIRECTION

CONTROL SWITCH 3 = 3 - WAYLV = LOW VOLTAGE

\$\os \text{wall mounted occupancy sensor/switch}

CEILING MOUNTED OCCUPANCY SENSOR

ELECTRICAL SYMBOLS LEGEND: POWER

MOTOR WITH DISCONNECT

☐ DISCONNECT

(J) WALL MOUNTED CAPPED OUTLET BOX OR JUNCTION BOX

DUPLEX RECEPTACLE

♣ QUADRAPLEX RECEPTACLE

PANELBOARD

ELECTRICAL SYMBOLS LEGEND: SYSTEMS

▼ TELEPHONE/DATA OUTET PROVIDE & INSTALL 3/4" EMPTY CONDUIT W/PULLSTRING

TV CATV OUTET

ELECTRICAL SYMBOLS LEGEND: OTHER

H-24 LABEL OR PANEL-CIRCUIT

LABEL OR KEYED NOTE EXISTING TO REMAIN LINETYPE

--- EXISTING TO BE REMOVED (DEMO) LINETYPE

_____ EXISTING TO BE RELOCATED LINETYPE _____ NEW LINETYPE

ELECTRICAL SYMBOLS LEGEND: ABBREVIATIONS

ABOVE COUNTER ABOVE COUNTER & GFI A.F.F. ABOVE FINISHED FLOOR

B.F.C. BELOW FINISHED CEILING B.F.G. BELOW FINISHED GRADE CL CENTER LINE

ECB ENCLOSED CIRCUIT BREAKER EM/E EMERGENCY

EXISTING DEVICE TO REMAIN ERL EXISTING DEVICE RELOCATED

GROUND FAULT INTERRUPTER ISOLATED GROUND IG MOUNTING HEIGHT M.H.

NEW DEVICE NIGHT LIGHT

TERMINAL CABINET T.S. TIME SWITCH

U.O.N. UNLESS OTHERWISE NOTED WEATHER PROOF XFMR. TRANSFORMER

DWG. NO. DRAWING DESCRIPTION

SPECIFIED BRAND NAMES ARE FOR

EQUIPMENT OR MATERIAL WILL BE

MINIMUM REQUIREMENTS FOR

ESTABLISHING EQUALITY

DESCRIPTIVE PURPOSES ONLY. EQUAL

ACCEPTED. SEE CONTRACT MANUAL FOR

LEGEND & GEN. NOTES E-0BUILDING PLAN E-1

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BID SET

RE-BID

CONSULTANT:

RESTROOM FACELTY

11/06/2016

DRAWING TITLE: ELECTRICAL LEGEND & GEN. NOTES

DRAWN: Author CHECKED: Checker DATE: 4/11/2016

SHEET:

No. 37637

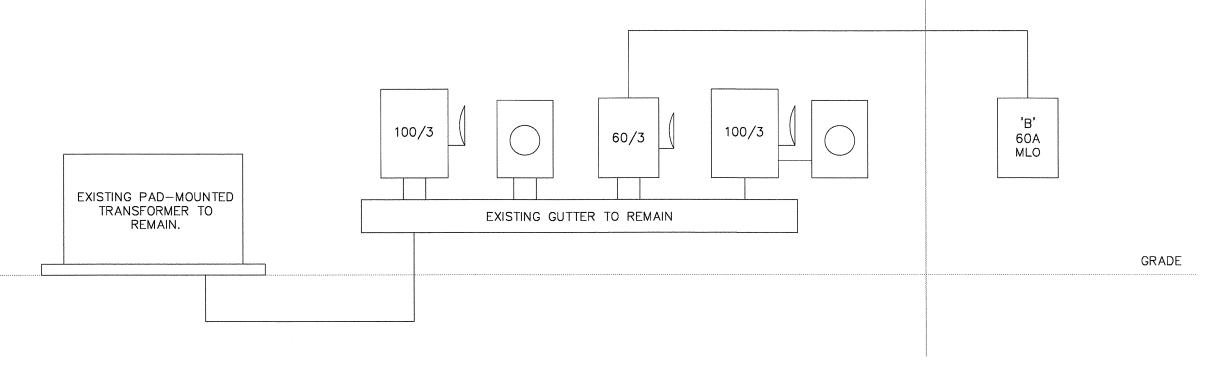
STATT OF

PROJECT NO. 1533

							EXIS	STIN	IG P	ANE	EL E	3					
MAINS:	100	MLO		VO	LTAGE:	208/120	l		WIRE: 4 MOUNTING: SURFACE								
BUS:	100	Α			PHASE:	3			AIC:	10 kA		ENCL	OSURE:	NEMA	1		
CKT	TRIP	LOAD	AWG/		CODIDE	~ \ :		CONNECTED LOAD KVA		DESCRIPTION		AWG/	LOAD	TRIP	CKT		
#	POLE	TYPE	COND.		SCRIPTI	JIV.	kVA	PHA	PH B	PHC	kVA	DESCRIPTI	ION	COND.	TYPE	POLE	#
1	20/1	В	EXSTG	RECEP.	Т		0.6	1.1			0.5	TIME CLOCK		EXSTG	G	20/1	2
3	20/1	В	EXSTG	RECEP'	T		0.6		1.2		0.6	RECEPT		EXSTG	В	20/1	4
5	20/1	В	EXSTG	RECEP'	T		0.6			0.8	0.2	PHOTOCELL		EXSTG	G	20/1	6
7	20/1	G	EXSTG	EXISTIN	G		0.4	1.4			1.0	XMAS TREE		EXSTG	Α	20	8
9	20/1	G	EXSTG	MEN'S	HAND DF	YER	1.5		2.5		1.0	1 ↓			Α	2	10
11	20/1	G	#12-3/4"	EXTERI	OR RECI	PT	0.2]		1.7	1.5	WOMEN'S HAN	D DRYE	EXSTG	G	20/1	12
13	30/1	G	#12-3/4"	EXTERI	OR RECI	EPT	1.0	1.5			0.5	EXHAUST FAN		#12-3/4"	G	20/1	14
15	30/1	G	#12-3/4"	EXTERIOR RECEPT		1.0		1.7		0.7	LIGHTS		#12-3/4"	Α	20/1	16	
17	20/1	G	#12-3/4"	EXTERI	EXTERIOR RECEPT		0.2]		0.9	0.7	EWC		#12-3/4"	G	20/1	18
19	40	G	#8-3/4"	EWH	EWH		3.3	3.3				SPACE					20
21	2	G	#0-3/4		. ↓		3.3		3.3			SPACE					22
23				SPACE								SPACE					24
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			***********************	ollomini ani ani di dia mani ani ani ani ani ani		<u></u>		Panel	Load Ar	alysis		<u> </u>		***************************************		-	
Load	-	escription	~ m	Conn.	Demand		2008 NE	С		Load		Description	Conn.	Demand		2008 NEC	3
Туре	"	escupa	211	KVA	KVA		Referenc	e		Туре	٠	Jeschpaon	KVA	KVA		Reference	Э
Α		Lighting	İ	2.7	3.2	Per NE	EC Table	220.12	1	E	Kitcl	nen Equipment			Per NI	EC Table	220.56
В	R	eceptac	les	2.4	2.4	Per NE	EC Table	220.44	Í	F		Motor			Per NE	C Table 4	30.22-26
С	Air-	Conditio	ning		Per NEC Article 4		e 440.6	1	G		Other		14.3		***************************************	***************************************	
D		Heating				Per NE	C Article	220.60	1								
Phase A	Connec	ted Load	7	.3					-		LOCATION:			TO PLAI	VS.		
Phase E	Connec	ted Load	3 8	.7	TOTA	L CONN	ECTED	LOAD:	19.4	KVA							
Phase C	Connec	ted Load	3 3	.4	TOT	AL DEN	AND LO	AD:	19.9	KVA		LOAD AMPS:	55.4				

SCALE: NTS

EXTERIOR INTERIOR



PARTIAL EXISTING ELECTRICAL RISER DIAGRAM



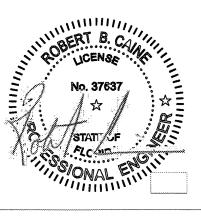
ELECTRICAL GENERAL NOTES:

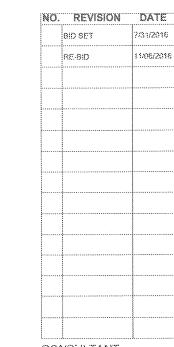
- 1. CONNECT EMERGENCY LIGHTS AND EXIT SIGNS AHEAD OF LOCAL SWITCH AS REQUIRED.
- 2. ALL EXISTING CONVENIENCE OUTLETS NOT SHOWN ON THIS PLAN ARE EXISTING TO REMAIN.

ELECTRICAL KEYED NOTES: $\langle \# \rangle$

- CONNECT EXHAUST FAN AS REQUIRED. COORDINATE W/
- 2. CONNECT ELECTRIC WATER HEATER AS REQUIRED. COORDINATE W/
- 3. STUB 1-1" C. TO THIS LOCATION FOR FUTURE SECURITY CAMERA CONNECTION. TERMINATE IN N.W. CORNER OF STORAGE ROOM. VERIFY EXACT REQUIREMENTS W/ EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 4. IT IS NOTED THERE IS AN EXISTING ELECTRIC HAND DRYER IN THIS AREA. CONTRACTOR SHALL REPLACE EXISTING SURFACE MOUNTED CONDUIT AND INSTALL NEW.
- 5. INSTALL NEMA L5-20 GFCI RECEPTACLE RECESSED IN WALL AS REQUIRED. PROVIDE WEATHERPROOF COVER. VERIFY FINAL LOCATION W/ CITY PRIOR TO BEGINNING WORK.
- 6. INSTALL NEMA L5-30 GFCI RECEPTACLE RECESSED IN WALL AS REQUIRED. PROVIDE WEATHERPROOF COVER. VERIFY FINAL LOCATION W/ CITY PRIOR TO BEGINNING WORK.
- 7. EXISTING ELECTRICAL GUTTER TO REMAIN. REFER TO RISER DIAGRAM FOR MORE DETAILS.
- 8. CONNECT NEW FLOOD LIGHT TO EXISTING CIRCUIT CURRENTLY FEEDING EXTERIOR BUILDING-MOUNTED LIGHTS AS REQUIRED.
- 9. JUNCTION BOX FOR ELECTRONIC FAUCET SENSOR. VERIFY EXACT LOCATION AND REQUIREMENTS W/ EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.
- 10. STUB 1-3/4" C. TO 6" ABOVE ACCESSIBLE CEILING IN THIS AREA. VERIFY EXACT LOCATION AND REQUIREMENTS W/ CITY OF LAKE PARK PRIOR TO BEGINNING WORK.

SPECIFIED BRAND NAMES ARE FOR DESCRIPTIVE PURPOSES ONLY. EQUAL EQUIPMENT OR MATERIAL WILL BE ACCEPTED. SEE CONTRACT MANUAL FOR MINIMUM REQUIREMENTS FOR ESTABLISHING EQUALITY





CONSULTANT:

SHORE PARK RESTROOM FACILITY

A CELLEC



BUILDING PLAN -ELÉCTRICAL

DRAWN: Author CHECKED: Checker DATE: 4/11/2016 SCALE: PROJECT NO. 1533

SHEET:

- DRAWINGS: REFER TO ALL DRAWINGS FOR COORDINATION OF THE PLUMBING WORK. DRAWINGS ARE DIAGRAMMATIC FOR ANY AND ALL DIMENSIONING OF SPECIFIC LOCATION SEE ARCHITECTURAL DRAWINGS OR MANUFACTURER'S REQUIREMENTS.
- CONTRACTOR SHALL ARRANGE AND PAY FOR ALL PERMITS, LICENSES, INSPECTIONS AND TESTS. OBTAIN THE REQUIRED CERTIFICATES AND PRESENT TO OWNER.
- GUARANTEE: THE COMPLETED INSTALLATION SHALL BE FULLY GUARANTEED AGAINST DEFECTIVE MATERIALS AND/OR IMPROPER WORKMANSHIP FOR A MINIMUM OF ONE YEAR FOR MATERIAL AND LABOR.
- 5. ALL HORIZONTAL SANITARY PIPING SHALL SLOPE AT 1 INCH PER FOOT MINIMUM FOR 3" AND LARGER AND AT 1" SLOPE FOR 2" PIPES AND SMALLER. UNLESS OTHERWISE STATED.
- 6. DISTANCE OF TRAP FROM VENT. EACH FIXTURE TRAP SHALL HAVE A PROTECTING VENT LOCATED SO THAT THE SLOPE AND THE DEVELOPED LENGTH IN THE FIXTURE DRAIN FROM THE TRAP WEIR TO THE VENT FITTING ARE WITHIN THE REQUIREMENTS SET FORTH IN TABLE 909.1
- THE WORK THAT IS TO BE DONE UNDER THIS CONTRACT INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS AND EQUIPMENT, PERMITS, FEES, INSPECTIONS, TESTS AND INSURANCE, REQUIRED FOR THE COMPLETION OF THE SYSTEMS AS SHOWN ON THE DRAWINGS AND/OR LISTED BELOW. CONTRACTOR SHALL VISIT THE SITE PRIOR TO THE BIDDING AND FAMILIARIZE HIMSELF WITH EXISTING EQUIPMENT, SYSTEMS AND BUILDING STRUCTURE.
- DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT AND CONFIRM WITH OWNER'S REPRESENTATIVE AND/OR ARCHITECT.
- ALL EXISTING LOCATIONS ARE TAKEN FROM EXISTING DRAWINGS AND KNOWN FIELD CONDITIONS. IT SHALL BE WITHIN THE CONTRACTOR'S SCOPE OF WORK TO VERIFY FIELD DIMENSIONS OF EXISTING EQUIPMENT OR SYSTEMS PRIOR TO DEMOLITION OR FABRICATION OF NEW WORK WHICH IS TO BE CONNECTED TO THE EXISTING. CONTRACTOR SHALL MAKE OFFSETS AS REQUIRED IN NEW AND/OR EXISTING PIPING AND CONDUIT TO ACCOMMODATE THE NEW WORK.
- 10. ALL WORK SHALL BE COORDINATED WITH EXISTING TRADES AND IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS. ALL DOWN TIME TO BE COORDINATED WITH OWNER IN WRITING, AND SHALL BE BID AS PREMIUM TIME. ALL DOWN TIME WORK SHALL BE PERFORMED AT NIGHT OR AS DIRECTED BY THE OWNER.
- 11. ALL HOLES CREATED IN CEILING, PARTITIONS, ETC. AS A RESULT OF DEMOLITION SHALL BE PATCHED BACK TO MAINTAIN THE EXISTING FIRE AND SMOKE INTEGRITY.
- 12. SLEEVE AND FIRE STOP PENETRATIONS OF RATED WALLS, FLOORS, CEILINGS AND ROOFS. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.
- 13. CONTRACTOR SHALL PROVIDE PIPE LABELING EVERY 10'-0".
- 14. ALL MATERIAL, EQUIPMENT, AND APPARATUS SHALL BE NEW, EXCEPT THAT CALLED FOR AS BEING REUSED OR FURNISHED BY OTHERS. ALL MATERIAL SHALL BE APPROVED BY THE ARCHITECT/ENGINEER BEFORE
- 15. CONTRACTOR SHALL CONNECT WATER AND WASTE TO EQUIPMENT FURNISHED BY OTHERS AS INDICATED ON DRAWINGS. ALL FIXTURES TO BE PROTECTED AGAINST WATER HAMMER BY SHOCK ARRESTERS.
- ALL PIPING IS TO BE PLENUM RATED WHERE EXPOSED TO PLENUM. WALLS/CHASE OR OPENING THAT IS EXPOSED TO PLENUM THAT HAS PIPING INCLUDED.
- 17. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL, WITHIN 30 DAYS OF SIGNING CONTRACT, A MINIMUM OF 5 COPIES OF FULLY DESCRIPTIVE, LITERATURE, INCLUDING BUT NOT LIMITED TO: WATER HEATERS. AND PLUMBING FIXTURES. NO WORK SHALL PROCEED WITHOUT THE APPROVAL OF THESE SUBMITTALS.
- 18. WHERE CONNECTION TIES INTO HORIZONTAL STACK THE CONNECTION SHALL BE A MINIMUM OF 10X THE STACK DIAMETER DOWNSTREAM OF THE VERTICAL TO HORIZONTAL TRANSITION. UNLESS OTHERWISE STATED.
- 19. SANITARY TEE CAN BE USED ONLY IN THE VERTICAL POSITION. TEE WYE CAN BE USED FOR BOTH HORIZONTAL AND VERTICAL ASSEMBLY.
- 20. SHORT TURN FITTINGS SHOULD NEVER BE INSTALLED ON HORIZONTAL PIPING, BUT MAY BE USED VERTICALLY WHEN TRANSFERRING TO A
- 21. PIPING IS NEVER TO RUN OVER ELECTRICAL EQUIPMENT. ENGINEER IS TO BE IMMEDIATELY NOTIFIED IF THIS OCCURS.
- 22. PROVIDE ACCESS PANELS TO ALL VALVES, HAMMER ARRESTORS AND STUDOR VENTS LOCATED WITHIN CHASES OR NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 23. IN THE EVENT A BEAM SLEEVE PENETRATION IS REQUIRED, COORDINATE PENETRATIONS WITH ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER.
- 24. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
- 25. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE FBC (PLUMBING). PROVIDE TRAP PRIMER CONNECTION TO ALL FLOOR DRAINS, SLEEVE ALL SOFT COPPER PENETRATIONS THROUGH RATED PENETRATIONS AND FIRESTOP.

- 26. THERE SHALL BE NO LENGTH GREATER THAN 2' FROM THE VENT CONNECTION FOR ANY FUTURE DRAIN OUTLETS.
- 27. INSULATE ALL STORM WATER HORIZONTAL PIPING, OFFSETS AND THE BODIES OF ALL ROOF DRAINS TO PREVENT CONDENSATION.
- 28. ALL HOT AND COLD WATER PIPING SHALL BE COPPER TYPE-L, SFBC 46041(C) COMPATIBLE UNLEADED SOLDER AND DIELECTRIC FITTINGS AS REQUIRED. PIPE INSULATION SHALL BE PROVIDED FOR ALL HOT WATER AND HOT WATER RETURN PIPING WITH 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER JACKET, FLAME SPREAD OF 25 OR LESS, SMOKE DEVELOPED RATING OF LESS THAN 50, OWENS CORNING OR APPROVED
- 29. COMPATIBLE UNLEADED SOLDER AND DIELECTRIC FITTINGS AS REQUIRED. DIELECTRIC FITTINGS TO BE PROVIDED AT CONNECTIONS BETWEEN TWO DIFFERENT TYPES OF METAL PIPING.
- 30. SANITARY WASTE AND VENT PIPING SHALL BE INSTALLED w/NO-HUB JOINTS. ALL HORIZONTAL RWL PIPING SHALL HAVE 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER JACKET, FLAME SPREAD OF 25' OR LESS, SMOKE DEVELOPED RATING OF LESS THAN 50, OWENS CORNING OR APPROVED EQUAL.
- 31. CONTRACTOR TO PROVIDE SHUT-OFF VALVES ON ALL HOT AND COLD WATER LINES AT CONNECTION TO MAIN LINES.
- 32. PLUMBING FIXTURES:
 - FIXTURES SHALL BE COMPLETE WITH DRAINS, TRAPS, 1/4 TURN VALVES, BRAIDED SUPPLY HOSE AND ANY OTHER ACCESSORY REQUIRED.
- 33. MATERIALS:
- PIPING: SOIL, WASTE AND VENT: SANITARY PIPE, PVC. DWV, SCHEDULE 40.STANDARD WEIGHT CAST IRON, EPOXY COATED SCH. 40 CAST IRON PIPE. MUST BE CISPI

PIPING FROM CONCRETE WITH INSULATING

- APPROVED. FOAM CORE WILL NOT BE ACCEPTABLE DOMESTIC WATER AND HEATING HOT WATER: COPPER PIPE, TYPE "L" WITH SWEAT WROUGHT COPPER FITTINGS. TYPE "M" IN CONCEALED PACES IS ACCEPTABLE. ISOLATE
- MATERIAL. CONDENSATE DRAIN: COPPER TYPE "L" ABOVE
- SLAB ON GRADE. DWV PVC UNDERGROUND. DOMESTIC WATER SUPPLY ASSEMBLY: CHROME FINISH TUBING. WITH QUARTER TURN ANGLE SHUT
- OFF BALL VALVE e. INSULATION: INSULATE ALL HORIZONTAL PIPING WITH 1" THICK FIBERGLASS INSULATION, WITH SELF SEALING JACKET. INSULATE CONDENSATE PIPING AND STORM WATER PIPING WITH 1/2" ELASTOMERIC INSULATION.
- SANITARY PIPING: SCHEDULE 40 CAST IRON, PVC STORM WATER PIPING: SCHEDULE 40 CAST IRON, PVC, DWV
- FOAM CORE WILL NOT BE ACCEPTABLE h. PIPING IN PLENUMS SHALL BE CAST IRON OR FIRE RATED.
- 33. ALL WATER HEATERS SHALL MEET THE STANDARDS OF THE LATEST ENERGY EFFICIENCY CODE.

CONNECTED TO EQUIPMENT AND PLUMBING

- 34. PIPING TESTING AND CLEANING: A. TEST: ALL SANITARY AND DOMESTIC WATER SUPPLY PIPING SHALL BE TESTED FOR LEAKS BEFORE PIPING IS CONCEALED OR
- FIXTURES. B. DISINFECTION: ALL DOMESTIC WATER PIPING SHALL BE DISINFECTED BY INTRODUCING A SOLUTION OF CALCIUM HYPOCHLORITE OF 50 PARTS PER MILLION OF CHLORIDE AND AS PER AWWA STANDARDS.
- 35. VALVES: DOMESTIC WATER VALVES SHALL BE OF BRONZE BODY, SWEAT
- 36. ALL EXTERIOR CLEAN OUTS SHALL BE TERMINATED UP TO GRADE AND SHALL BE MARKED. COVER SHALL BE INCLUDED.
- 37. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SANITARY, STORM DOMESTIC WATER, AND CONDENSATE PIPING BEFORE STARTING ANY WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DEVIATIONS FROM DESIGN
- 38. CONTRACTOR SHALL PROVIDE FOR EXISTING VALVES NOT CLOSING WHEN CONNECTING TO EXISTING PIPING IN BID.
- 39. CONTRACTOR SHALL PROVIDE STOP VALVES AND VACUUM BREAK BEFORE ALL OPERATING HANDLES AND FAUCETS, WHERE REQUIRED.
- 40. UNDER GROUND WATER PIPING SHALL BE 2' MINIMUM AWAY FROM SANITARY PIPING. WHERE WATER LINE AND SANITARY LINE CROSS, WATER SHALL BE INSTALLED MINIMUM OF 12" ABOVE SANITARY AND SHALL BE EITHER SCHEDULE 40 PVC OR DOUBLE WALLED PIPING.
- 41. PIPES PASSING THROUGH CONCRETE, CINDER OR OTHER CORROSIVE MATERIAL SHALL BE PROTECTED AGAINST EXTERNAL CORROSION BY A PROTECTIVE SHEATHING OR WRAPPING AS PER THE FBC 305.1.
- 42. ALL PIPING BEING INSTALLED WITHIN A PLENUM ARE TO BE PLENUM RATED. IN THE EVENT THAT THERE IS EXISTING PIPING WITHIN A PLENUM CONTRACTOR SHALL FIRE WRAP OR USE OTHER MEANS TO MAKE THE PIPING PLENUM RATED. FIRE CAULK AT PIPING PENETRATIONS SHALL ALSO BE PROVIDED TO MAINTAIN PLENUM RATING.

- 43. ALL PRODUCTS SHALL BE MANUFACTURED WITHIN THE UNITED STATES WHERE POSSIBLE. PIPING AND RAW MATERIALS WITH ORIGINS OUTSIDE OF THE UNITED STATES SHALL BE IDENTIFIED AS PART OF THE BID. PIPING, BOLTS, FITTINGS AND MISCELLANEOUS METAL PRODUCTS ORIGINATING FROM CHINA WILL NOT BE PERMITTED.
- 44. PRODUCTS USED FOR THIS PROJECT SHALL COMPLY WITH APPLICABLE UNITED STATES STANDARDS. COMPLIANCE WITH A FOREIGN STANDARD AS AN ALTERNATE SHALL NOT BE ACCEPTED.
- 45. MAXIMUM DISTANCE OF FIXTURE TRAP FROM VENT TO BE DETERMINED BY TABLE 909.1 OF THE FBC (PLUMBING).
- 46. PLUMBING DRAWINGS IN GENERAL ARE DIAGRAMMATIC IN NATURE, AND SHALL BE READ IN CONJUNCTION WITH ALL OTHER TRADES PLANS. THE FOLLOWING DRAWINGS ARE TO BE CONSIDERED ONE PART OF A SET OF DOCUMENTS. ALL PIPING CONNECTIONS INCLUDING BUT NOT LIMITED TOO OFFSETS, BENDING AND TRANSITIONS WILL BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 47. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BIDDING, ORDERING, FABRICATION OR INSTALLATION OF MATERIALS OR EQUIPMENT.
- 48. CONTRACTOR TO FIELD VERIFY EXACT SIZES AND LOCATIONS OF EXISTING PIPING WITHIN AREAS OF SCOPE PRIOR TO CONSTRUCTION. ANY PIPING WHICH MUST REMAIN AS PART OF AN ACTIVE SYSTEM AND IS IN CONFLICT WITH THE NEW LAYOUT, NEW LAYOUT SHALL BE RELOCATED AT NO ADDITIONAL COST OVER THE CONTRACT AMOUNT.
- 49. WHERE CORE DRILLING OF FLOOR/WALLS IS REQUIRED, CONTRACTOR SHALL SEAL OPENINGS WATERTIGHT AFTER UTILITIES HAVE BEEN INSTALLED. LOCATION OF CORED HOLES SHALL BE COORDINATED WITH LOCATION OF EQUIPMENT IN A MANNER TO BE CLEAN AND FUNCTIONAL.
- 50. ARCHITECTURAL AND/OR ENGINEERING EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR.
- 51. CONTRACTOR TO NOTIFY ENGINEER IF EXISTING PIPING DIFFERS FROM DRAWINGS.
- 52. EVERY DRY VENT CONNECTING TO A HORIZONTAL DRAIN SHALL CONNECT ABOVE THE CENTERLINE OF THE HORIZONTAL PIPE FBC (2014) 905.3.
- 53. INDIVIDUAL SHOWER AND TUB-SHOWER COMBINATION VALVES SHALL BE BALANCED-PRESSURE, THERMOSTATIC OR COMBINATION BALANCED-PRESSURE/THERMOSTATIC VALVES THAT CONFIRM TO THE REQUIREMENTS OF ASSE 1016 AND AS PER FBC (2014) 424.3.
- 54. TEMPERED WATER SHALL BE DELIVERED FORM LAVATORIES AND GROUP WASH FIXTURES LOCATED IN PUBLIC TOILET FACILITIES PROVIDED FOR CUSTOMERS, PATRONS AND VISITORS, TEMPERED WATER SHALL BE DELIVERED THROUGH AN APPROVED WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B125.3. FBC (2014) 416.5.

LUMBING GENERAL NOTES

DWG. NO.	DRAWING DESCRIPTION
P-1	NOTES AND LEGEND
P-2	PLAN, ISOMETRICS AND DETAILS

	WAT	ER HEATER	SCHE	DULE
TAG	HEATING CAP	CONTROL	TEMP.	MANUFACTURER & MODEL:
TWH	8.3 KW	208/1 40 AMP BKR	120° F	EE MAX EX8208T

PLUMBING FIXTURE SCHEDULE

<u>name</u> HWC	FIXTURE HANDICAPPED WATER CLOSET (FLOOR MOUNT FLOOR DISCHARGE)	MODEL # ACORN MERIDAN MODEL 2141-3-W-2 -FM-HET1.28-FVBO -ADA-HS-OFLC	ACCESSORIES SLOAN ROYAL 152-1.28 PUSH BUTTON CONCEALED FLUSH VALVE 1½" SPUD COUPLING ASSEMBLY. 1.28 GPF.
WC-1	HANDICAPPED	ACORN MERIDAN	SLOAN FLUSH VALVE
	WATER	MODEL 2141-3-T-2	G2-8115 WITH SATIN

CLOSET (FLOOR -FM-HET1.28-FVBO CHROME FINISH BATTERY POWERED MOUNT FLOOR -ADA-HS-OFLC AND $1\frac{1}{2}$ " SPUD DISCHARGE) COUPLING ASSEMBLY. 1.28 GPF.

ACORN MODEL HLAV WALL HUNG 1950-1-9-H1 AND LAVATORY

LAV

SINGLE HOLE CONNECTIONS HIGH UP UNDER THE SINK.

DURA WARE

BASYS -PVDSF BRUSHED CHROME ELECTRONIC 'NO TOUCH' SINGLE SUPPLY 0.5GPM PROVIDE THROUGH BOLT WITH BACKING PLATE. LOCATE POWER IN PLUMBING CHASE

SLOAN ROYAL195-0.5-L

COMMERCIAL GRADE

EFX-200-000-0040

SLOAN FAUCET. HARDWIRED

URINAL ACORN MODEL 2158-T-1-0.5-FVBO L-VARIATION FOR PUSH DURA WARE

BUTTON CONCEALED FLUSH VALVE 0.5 GPF. WALL HUNG

SERVICE AND UTILITY C4 - 44 - 654SINK FAUCET WITH BUCKET HOOK WALL MOUNTED. 2.2GPM.

MOST DEPENDABLE PROVIDE STAINLESS ELECTRIC EWC FOUNTAINS, INC. WATER STEEL (SS) CARRIER, COOLER (MDF) MODEL SAFE STREAM BUBBLER, WATER 440-18 SM CHILLED FILTER, SS WHITE POWDER COATED.

AMTROL PRESSURE 10.3 GAL. WELL-XL-TROL FACTORY WX-104 PRE-CHARGE

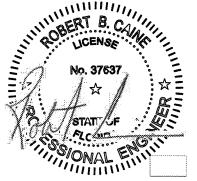
GERBER

<u>FIXTURE</u>	MAX FLOW RATES
HWC/WC (FLUSH VALVE)	1.6 GPF
HLAV/LAV	0.5 GPM
UR	1.0 GPF
MS	2.2 GPM
EWC	0.5 GPM

ALL PLUMBING FIXTURES AND APPLIANCES SHALL COMPLY WITH F.B.C (PLUMBING) TABLE 604.4.

> PRODUCTS SPECIFIED ARE BASIS OF DESIGN OR APPROVED EQUALS WILL BE REVIEWED.

SPECIFIED BRAND NAMES ARE FOR DESCRIPTIVE PURPOSES ONLY. EQUAL EQUIPMENT OR MATERIAL WILL BE ACCEPTED. SEE CONTRACT MANUAL FOR MINIMUM REQUIREMENTS FOR ESTABLISHING EQUALITY



NO. REVISION DATE BID SET 7/31/2016 RE-BID 11/06/2016 CONSULTANT:

FACILITY

RESTROOM XX Ω.,

Z

) Z

DRAWING TITLE: PLUMBING

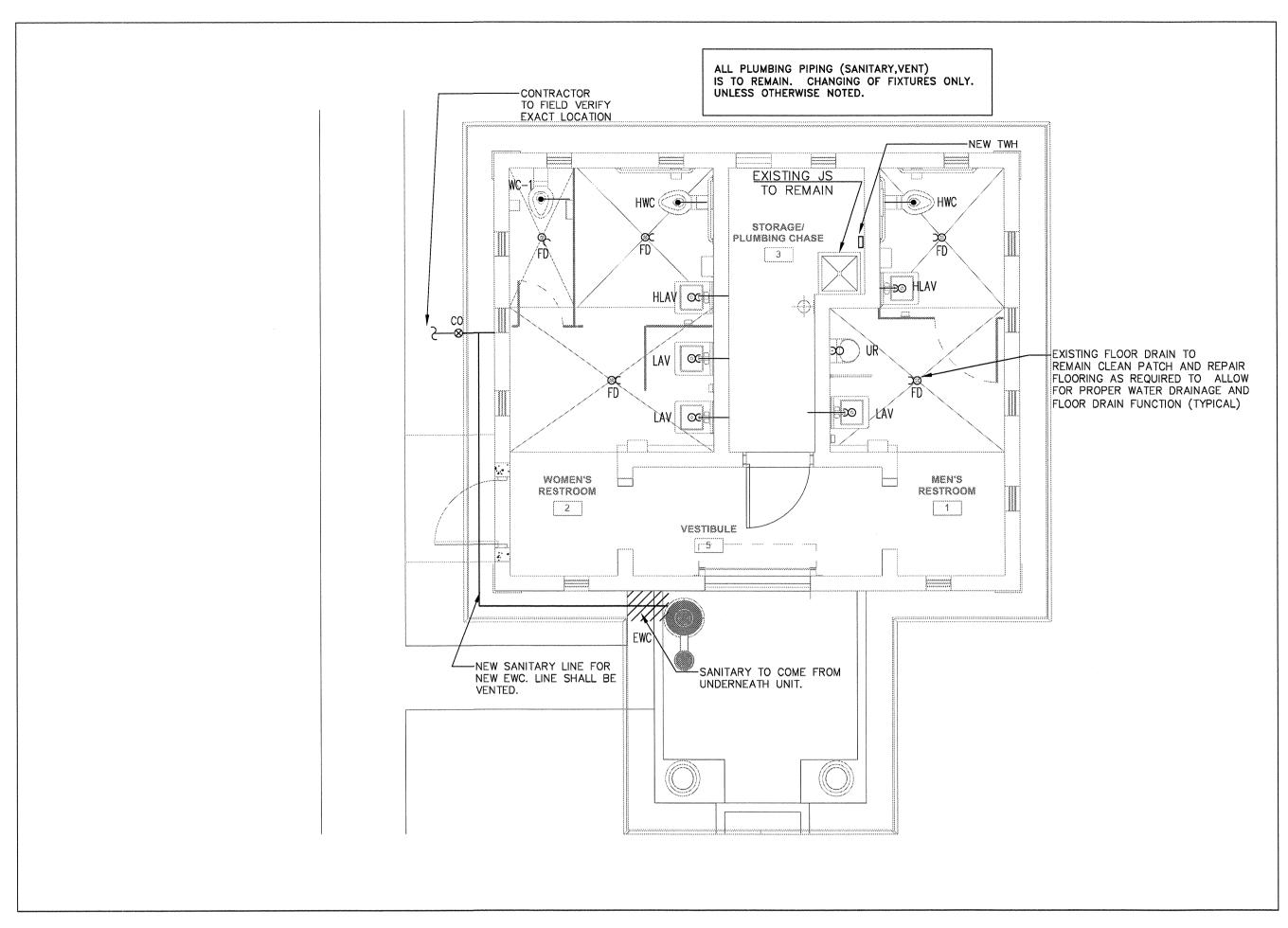
NOTES AND LEGEND DRAWN: Author CHECKED: Checker

DATE: 4/11/2016 SCALE: PROJECT NO. 1533

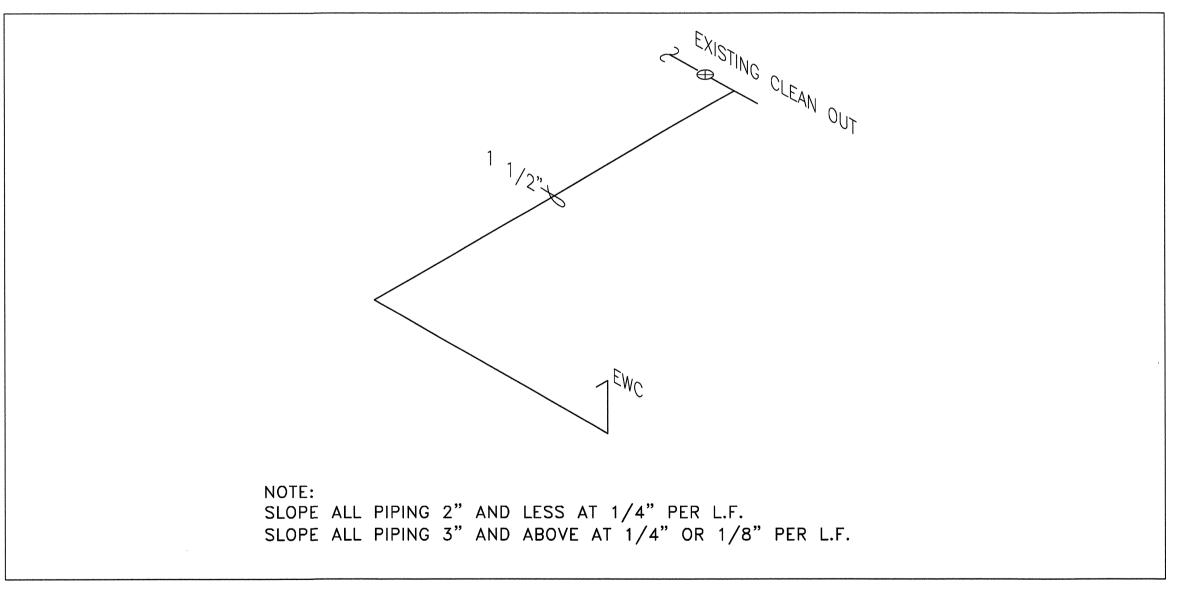
SHEET:

Lumbing general notes|plumbing general notes

BUILDING PLAN - LAKE SHORE PARK PLUMBING WATER SCALE: 1/4" = 1'-0"

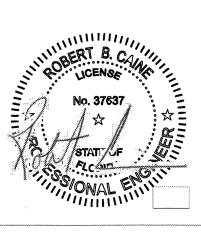


BUILDING PLAN - LAKE SHORE PARK PLUMBING SANITARY scale: 1/4" = 1'-0"



LAKE SHORE PARK SANITARY ISOMETRIC
N.T.S.

SPECIFIED BRAND NAMES ARE FOR DESCRIPTIVE PURPOSES ONLY. EQUAL EQUIPMENT OR MATERIAL WILL BE ACCEPTED. SEE CONTRACT MANUAL FOR MINIMUM REQUIREMENTS FOR ESTABLISHING EQUALITY



NO.	REVISION	DATE
	BID SET	7/31/2016
Λ	RE-BID	11/06/2016

RESTROOM FACELITY SHORE PARK LAKE

ARCHIERCIS, INC

DRAWING TITLE: BUILDING PLAN -PLUMBING

DRAWN: Author CHECKED: Checker OATE: 4/11/2016 SCALE: PROJECT NO. 1533 SHEET:

P-2

Lighting Requirement—Lake Shore Park—Town of Lake Park

LED Minimim 6 Pole Layout

Wind Design: Palm Beach County Risk Category 1

Ultimate Design Wind Speed of 150 MPH (3 second gust) 10 Year Warranty on Materials and Labor

Exceed Class II Light Level as specified by the International Teanis Federation Sections 5.1, 5.2.2 & 5.2.3.

System Description

- Galvanized steel poles and cross arm assembly powder coat painted.
- Pre-stressed concrete base.
- LED Lamp Technology Sports Lighting Fixtures, Min. 10,000-hour life at which required lighting levels are maintained with instant on/off capabilities.
- Light fixtures to include thermal management and include 10-year full coverage warranty including parts and labor.
- Minimum of 5,700 K Polor Temperature and 75+ CRI
- Electronic Driver with efficiency of 95% or greater having max. inrush of 7 amps at 25 degrees C.
- Secondary Wiring supplied by manufacturer in jacketed cord or conduit to connect fixture to driver.
- Individual control for each bank of court lighting with manual start, digital timer capable of one hour increment, with defined cut-off time. Manual start on individual pedestal at

ITEM: Backflow Prevention Device, Reference Kelsey Park sheets C5.00 & C6.00

- As approved by Seacoast Utility Authority
- ITEM: Handrail, Reference Kelsey Park sheet C 4.00 & C6.00
- ADA compliant, Sch. 40 aluminum, welded seems, powder coated, welded bottom plate for bolt-down installation.

ITEM: Bench Reference Kelsey Park sheet SP-3

- Integral Welded cross-members of 1-5/16" tubular steel
- Vertical steel slats ¼" X 1-1/2" solid steel
- Tubular steel rung 1-5/16"
- Hot dipped galvanized prior to powder coating per Manufacturers requirements. Black.
- All metal components prepared per Manufacturers requirements and electro-static coated with polyester power coat
- Ductile Iron end frame Integral holes for attachment to concrete slab

ITEM: <u>Litter Receptacle</u> Reference Kelsey Park sheet SP-3

- Solid steel vertical bar
- Square tubular rim & rings
- Integral Two Component of Epoxy Floor Finish System
- Coefficient of Friction ASTM D2047: Dry 0.67
- ASTM D523 Gloss > 88
- Abrasion, Chemical, UV resistant
- Microbial Resistant ASTM G21 Rating 1

ITEM: Concrete Floor Sealer Reference Kelsey Park sheet A-5, Lake Shore Sheet A-4

- GSA Specification A-A-5542 approved
- Water-base Acrylic Sealer, Stain & Mar Resistant ADA skid resistant
- Microbial Resistant ASTM G21 Rating 1
- Water Absorption < 1%
- Two coat each at 250-300 s.f./gallon

ITEM: Toilet Partition System Reference Kelsey Park sheet A-5, Lake Shore Sheet A-4

- Twenty-Five (25) Year Warranty
- ICC, NFPA Class B ASTM E 84 classification for flame spread and smoke development
- Ultra-hard graffiti resistant surfaces
- Hose-down maintenance
- Solid Color Reinforced Composite Overhead Braced
- Doors & stiles 3/4" thick, Panels 1/2" thick
- Through-bolted hardware, pin head Torx head
- Type 304 satin finish stainless steel hardware & mounting brackets
- Full height heavy duty type 304 satin finish stainless steel hardware for through-bolted
- panel-to-stile U-channel & angle brackets • Type 304 satin finish stainless steel spring-loaded, self-closing hinge full height of panels
- Type 304 satin finish stainless steel vandal-resistant door stop
- Type 304 satin finish stainless steel reinforced latch with through-bolted keeper

ITEM: Urinal Partition Reference Kelsey Park sheet A-5, Lake Shore Sheet A-4

- Same manufacture as Toilet Partition System
- ICC, NFPA Class B ASTM E 84 classification for flame spread and smoke development
- Ultra-hard graffiti resistant surfaces Hose-down maintenance
- Solid Color Reinforced Composite Overhead Braced Wall hung

ITEM: Grab Bars Reference Kelsey Park sheet A-5, Lake Shore Sheet A-4

- 18-8S. Type 304 18 gauge satin finish stainless steel, 1-1/2" OD, ADA compliant Concealed mounting flanges w/snap flange covers
- Minimum 250 lb. point load complying with accessible design for structural strength

ITEM: Toilet Paper Dispenser Reference Kelsey Park sheet A-5, Lake Shore sheet A-4

• To be provided by Town for Contractor to install

ITEM: Sanitary Napkin Disposal Reference Kelsey Park sheet A-5, Lake Shore sheet A-4

• Surface mounted 18-8 type 304 stainless steel cabinet

- 36 gallon capacity plastic removable liner
- Convex with self-closing lid door
- Lid secured to frame w/vinyl coated cable
- Hot dipped galvanized prior to powder coating per Manufacturers requirements. Black • All metal components prepared per Manufacturers requirements and electro-static coated with polyester power coat
- Integral holes for attachment to concrete slab

ITEM: <u>Upward Coiling Door</u> Reference Kelsey Park sheet A-1, Lake Shore Sheets A-1, A-5

- Steel, 18 gauge, galvanized with powder coat, solid face when closed, chain hoist operation, locally manufacturers authorized service
- Miami-Dade County, Fl. approved (NOA) product

ITEM: Spanish "S" Concrete Tile Reference Kelsey Park sheet A-2, Lake Shore Sheets A-2

- Miami-Dade County, Fl. approved (NOA) product
- Integral color to match existing buildings
- Lifetime warranty on concrete product
- Thirty (30) year warranty on 20 year non-prorated roofing system.

ITEM: <u>Tile Seal for Spanish "S" Concrete Tile</u> Reference Kelsey Park sheet A-2, Lake Shore

- sheet A-2 Miami-Dade County, Fl. approved (NOA) product
- Underlayment warranted for 30 years
- Integral component of thirty (30) year warranted and bondable roofing system

- sheets SP-1, A-2
- 130 MPH warranted high definition (thick), ultra-dimensional color blend laminated
- Ceramic fired color <u>UV blecking</u> granules, algae resistant
- 40 year 20 year non-prorated roofing system

ITEM: Primer Paint for Concrete, Stucco, Cement Plaster Reference Kelsev Park sheet A-3

- 100% Acrylic Professional Grade high performance paint system component
- Volume Solids 41%, Weight Solids 55%, Weight/gal. 10.92 lb., WVP Perms 22.3 (US)
- Wet Coverage 5.3-8.0 mils, Dry Coverage 2.1-3.2 mils
- Passes ASTM D522 Method B Flexibility
- Passes ASTM D1308 Alkali Resistance Passes ASTM D3273/D3274 Mildew Resistance
- Compliant with the following 2014 standards: OTC, SCAQMD, CARB, CARB SCM2007, MPI. NGBS, LEED 09CI, 09NC, 09CS, H.

ITEM: First & Second Paint Coat for Concrete, Stucco, Cement Plaster Reference Kelsey Park sheet A-3, Lake Shore sheet A-4

- 100% Acrylic Professional Grade high performance paint system component
- Compatible with primer
- Volume Solids 38%, Weight Solids 49%, Weight/gal. 10.19 lb., WVP Perms 22.8 (US) • Wet Coverage 4 mils, Dry Coverage 1.5 mils per coat
- Door: 18-8 type 304 22 gauge stainless steel secured to cabinet with stainless steel piano
- hinge tumbler locked keyed • Disposal panels: 18-8 type 304 22 gauge stainless steel self-closing
- Removable liner
- International graphic symbol
- All exposed surfaces to be satin finish

ITEM: Soap Dispenser Reference Kelsey Park sheet A-5, Lake Shore sheet A-4

• To be provided by Town for Contractor to install

ITEM: Stainless Steel Mirror Kelsey Park sheet A-5, Lake Shore sheet A-4

- 17-1/2" X 23-1/2" 18-8 type 304 20 gauge polished stainless steel No. 8 mirror finish • Frameless ¼" return w/ tempered Masonite backing
- ITEM: Concealed Push Button Flush Valve Reference Kelsey Park sheet P-1, Lake Shore sheet
- ADA compliant high efficiency 1.28 gal./flush
- Non-hold open push button, three seal packing
- 1-1/2" spud coupling • High copper, low zinc brass casting, chrome plated exposed parts
- Compatible with toilet
- 3 year warranty

ITEM: Flush Valve Reference Lake Shore sheet P-1

- ADA compliant battery powered infrared sensor activated high efficiency 1.28 gal./flush
- 1-1/2" spud coupling
- High copper, low zinc brass casting, chrome plated exposed parts
- Compatible with toilet • 3 year warranty

ITEM: <u>Hardwired Lavatory Faucet</u> Reference Kelsey Park sheet P-1, Lake Shore sheet P-1

- Sensor metering hand washing faucet, line powered battery backup, 0.5gpm Programmable volume and time
- Die cast body-brushed satin chrome plated
- Above deck serviceable components
- Bi-stable magnetic solenoid, all electronics sealed
- 3 year warranty

ITEM: Hand Dryer Reference Kelsey Park sheet A-5, Lake Shore sheet A-4

- Infrared sensor activated surface mounted motor blower combination
- 16,000 linear ft./minute air velocity at 135 degree F
- 80 decibel or less operation
- Nichrome heating element • Tamper proof one piece heavy duty rib reinforced die cast zinc alloy housing, plate chrome finish
- 120 volt operation

• 5 year warranty

- ITEM: Stainless Steel Toilets Reference Kelsey Park sheet P-1, Lake Shore sheet P-1
- ADA compliant, on-floor with floor waste, front mount, commercial grade 16 gauge satin finish stainless steel, no daylight between fixture and wall and between fixture and floor

- ITEM: Block Filler for CMU Block Reference Kelsey Park sheet A-3
- 100% Acrylic formulated for use on poured & precast concrete and concrete block
- Wet Coverage 18-34 mils, Finish Dry Coverage 10-18 mils, Effective Application 50-88

- Compatible with primer
- Wet Coverage 4 mils, Dry Coverage 1.5 mils per coat

- 100% Acrylic Professional Industrial grade cross-linking acrylic primer, rust inhibiting
- Volume Solids 36%, Weight Solids 49%, Weight 10.23 lb./gal.
- Compliant with the following 2015 standards: OTC, SCAQMD, CARB, CARB SCM2007, MPI 107,134, NGBS, LEED 09CI, 09NC, 09CS, 09C.
- Shore sheet A-4
- Chemical & Corrosion Resistant

- Special liquid formulation specifically for cement mixes to improve resistance to wear
- Density 1.035 kg/l, Solids 28%, Dilution with water 1:3 by volume
- ITEM: Glass Block Reference Kelsey Park sheet A-3
- Distortion, Nondirectional faces, Five (5) Year Warranty

- Decorative Colored Quartz Seamless Floor system with Integral Coved Base
- matrix with top coat
- Chemical Resistant meeting ASTM C868, ASTM C267, ASTM D1308
- Compressive Strength ASTM C579: 11,000 psi
- Skid Resistant, LEED qualified, Green Seal Standard Compliant • Installation performed by Professional Factory-Trained contractor

- ITEM: Stainless Steel Toilets Reference Lake Shore sheet P-1
- ADA compliant, on-floor with floor waste, front mount, commercial grade 16 gauge satin

- ITEM: Stainless Steel Urinal Reference Kelsey Park sheet A-5, Lake Shore sheet A-4
- Commercial grade type 304 16 gauge stainless steel contoured bowl, type 304 18 gauge
- Compatible with concealed no-touch flushometer
- ITEM: Stainless Steel Lavatory Reference Kelsey Park sheet A-5, Lake Shore sheet A-4 • ADA compliant wall hung type 304 16 gage satin finish stainless steel
- Off-floor waste
- No indention for soap dish
- Aluminum, ADA compliant, raised letters, braille & symbols, radius corners, two color
- ADA compliant dual height wall mount with remote water chiller on mounting frame
- 14 gauge type 304 stainless steel on integral mounting plate, satin finish

- ITEM: Chilled Water Drinking Fountain Reference Lake Shore Park sheet P-1
- Stainless steel anti-squirt vandal resistant bubbler head

ITEM: <u>Doors/Frames</u> Reference Kelsey Park sheet A-7, Lake Shore sheet A-5

Above grade access, powder coated white

• Type FF Galvanized Steel meeting NFPA 101, Section 7.2.1

• Stainless steel, ball bearing, five knuckle, standard weight, stain finish

- Volume Solids 53%, Weight Solids 73%, VOC < 0.42 lb/gal.

- ITEM: First & Second Paint Coat for CMU Block Reference Kelsey Park sheet A-3
- 100% Acrylic Professional Grade high performance paint system component
- Volume Solids 38%, Weight Solids 49%, Weight/gal. 10.19 lb., WVP Perms 22.8 (US)
- ITEM: Prime Coat for Metal Doors & Frames Reference Kelsey Park sheet A-3, Lake Shore
- paint system component
- Prime coat for water-based or solvent-based high performance topcoats
- Wet Coverage 5.0-10.0 mils, to achieve Dry Coverage 1.8-3.6 mils
- ITEM: First & Second Coats for Metal Doors & Frames Reference Kelsey Park sheet A-3, Lake
- Full Gloss High Performance Acrylic paint system componet
- Volume Solids 38.5%, Weight Solids 51%, VOC <1.66 lb./gal. • Wet Coverage 6.0-10.0 mils, to achieve Minimum Dry Coverage 2.5 mils per coat
- ITEM: Stucco Mix Admixture Reference Kelsey Park sheet A-3

- Miami-Dade County, Fl. approved (NOA) product (large missile impact) • 8" X 8" X 4" Wavy Undulation for Max. Light Transmission and Subtle Visual

ITEM: Epoxy Floor Finish System Reference Kelsey Park sheet A-5, Lake Shore Sheet A-4

- 1/8" thick multi coat epoxy system consisting of quartz granules imbedded in clear epoxy
- Microbial Resistant ASTM G21 Rating 1
- ITEM: Epoxy Floor System Top Coat Reference Kelsey Park sheet A-5, Lake Shore Sheet A-4
- High efficiency (1.28 gpm) toilet flush, elongated bowl, hinged seat (open front no cover)
- finish stainless steel, no daylight between fixture and wall and between fixture and floor)
- High efficiency (1.28 gpm) toilet flush, elongated bowl, hinged seat (open front no cover) Top exposed supply flushometer
- ADA compliant wall hung high efficiency (0.5 gal./flush)
- satin finish stainless steel all other exposed surfaces • Concealed supply, off-floor wall outlet waste
- Wall mounting to include concealed arm carrier • Approx. bowl size: 14" X 12" x 5" deep
- Chrome plated cast bronze strainer • Compatible with no-touch faucet
- ITEM: Restroom Signage Reference Kelsey Park sheet A-6, Lake Shore sheet A-5
- ITEM: Electric Water Cooler Reference Kelsey Park sheet P-1
- Front accessible cartridge and flow adjustment
- One piece bowls, rounded corners, vandal resistant
- One-piece welded construction 304 schedule 10 stainless steel ADA compliant dual height free standing. 8 gph chilled water

• 18 gauge electro-polished stainless steel receptor bowl w/stainless steel strainer

- Stainless steel mushroom style push bar, non-cartridge O-ring control valve

ITEM: <u>Door Hinges</u> Reference Kelsey Park sheet A-7, Lake Shore sheet A-5

ITEM: <u>Door Closure</u> Reference Kelsey Park sheet A-7, Lake Shore sheet A-5

CONSULTANT:

RESTROOM FACILITY

KE

SHORE

RCHITEC



TECHNICAL SPECIFICATIONS

DRAWN: DL

CHECKED: CPZ

SCALE: 12" = 1'-0"

PROJECT NO. 1533

SHEET:

DATE: 11/06/16

DRAWING TITLE:

CHRIS P. ZIMMERMAN, A.I.A. REGISTERED ARCHITECT NO. STATE OF FLORIDA

15-

DATE: 11/06/16

NOTE: TECHNICAL SPECIFICATIONS

AUTHORED AND PROVIDED BY THE

TOWN OF LAKE PARK

- ADA compliant accessibility cylinder, institutional grade, 30 year warranty
- Hold open steel arm, all-weather fluid, powder coated metal cover

ITEM: Door Latch Set Reference Kelsey Park sheet A-7, Lake Shore sheet A-5

- ADA compliant, ANSI Grade 1, Exceed ANSI A156.2 lock lever torque requirement
- Stainless steel face plate, zinc plated chassis and latch bolt • 6 pin, Small Format Interchangeable Core (SFIC), 10 year warranty

ITEM: Exhaust Fan Kelsey Park sheet M-0

- Direct drive, in-line exhaust, Approvals: NFPA, UL
- Permanent lubricated sealed ball bearing, variable RPM electronically commutated motor
- 18 gauge galvanized steel housing
- Aluminum centrifugal wheel
- 1,300 CFM @ 0.5 static pressure (1/2 HP/1426 RPM)

ITEM: Exhaust Fan Lake Shore Park sheet M-0

- Direct drive, in-line exhaust, Approvals: NFPA, UL
- Permanent lubricated sealed ball bearing, variable RPM electronically commutated motor
- 18 gauge galvanized steel housing
- Aluminum centrifugal wheel
- 1,000 CFM @ 0.5 static pressure (1/4 HP)

ITEM: Ceiling Grille Reference Kelsey Park sheet M-0, Lake Shore sheet M-0

- Aluminum border, ½" X ½" X ½" aluminum high free area egg crate core
- Meet NFPA, ANSI/ASHRAE standards
- Compatible with ceiling and light fixtures

ITEM: Wall Pack LED Emergency Light Reference Kelsey Park sheet E-2

- 30 Watt 5000K 2240 Lumen LED, surface mount, 5 year warranty
- Tempered glass lens, die cast aluminum housing, one-piece silicone gasket
- bronze powder coat

ITEM: Flood Light Reference Lake Shore Park sheet E-1

- 30 Watt LED, 2900 Lumen, 3000K, die cast aluminum powder coated (bronze) housing
- Adjustable knuckle, UL wet location approved, seven year warranty.

- ITEM: Wall Pack Emergency Light Reference Lake Shore Park sheet E-1 • LED,12Watt, 2 direction, 3.6 V sealed nickel cadmium battery back-up, brown out
- circuit, overload/short circuit protection • Surface mount, high impact injection molded thermoplastic housing
- UL, NFPA 101, damp location approved,5 year warranty

ITEM: 4' LED Vapor Proof/Vandal Resistant Ceiling Light Reference Kelsey Park sheet E-2, Lake Shore sheet E-1

• 75 Watt 3500K LED, 120 volt, Architectural marine grade aluminum housing, powder coated white, ribbed white polycarbonate lens, LED night light feature, emergency battery, surface mounted, EPDM gasketed for wet application

ITEM: 2' LED Vapor Proof/Vandal Resistant Ceiling Light Reference Kelsey Park sheet E-2

• 37.5 Watt 3500K LED, 120 volt, Architectural marine grade aluminum housing, powder

coated white, ribbed white polycarbonate lens, LED night light feature, emergency battery, surface mounted, EPDM gasketed for wet application, tamper proof screw fasteners

ITEM: 4' LED Vapor Proof Ceiling Light Reference Kelsey Park sheet E-2

- 81 Watt 3500K LED, 8000 Lumens, 120 volt, Institutional self-extinguishing reinforced polyester plastic housing
- High impact internal prismatic lens, seamless gasket, UL wet locations, 5 year warranty

ITEM: Occupancy Sensor w/Switch Pack Reference Kelsey Park sheet E-2, Lake Shore Sh. E-1 • Ultrasonic motions sensing light control, 120 volt, ceiling mount, daylight sensor,

ultrasonic sensor adjust, time delay-10 minute default, LED indicator • 120 volt, 20 amp switch pack\

ITEM: Mop Sink Reference Kelsey Park sheet P-1

- 24" x 24" x 12" square, one-piece cast terrazzo with 20 gauge stainless steel cap
- Brass drain body cast into sink

ITEM: Mop Sink Faucet Reference Kelsey Park sheet P-1

- Wall mount solid cast brass housing, vandal proof lever metal handles, ADA compliant
- Two valve, ceramic disc cartridge
- 6" spout with bucket hook and stop, support bracket

• ½" NPT supply connection, vacuum breaker

ITEM: Mop Sink Faucet Reference Lake Shore sheet E-1

• Wall mount solid cast brass housing, 7" spout with bucket hook • Two valve, ceramic disc, ½" NPT supply connection, vacuum breaker

ITEM: Floor Drain Reference Kelsey Park sheet P-1

 Cast iron epoxy coated, trap primer, sediment bucket ADA compliant flush drain strainer, vandal resistant

- ITEM: Clean Out Reference Kelsey Park sheet P-1 Epoxy coated cast iron, heavy duty 5" round gasketed nickel bronze top
- Removable gas tight gasketed brass cleanout plug, vandal proof

ITEM: <u>Trap Primer</u> Reference Kelsey Park sheet P-1

• Brass body, all lead free parts, built-in vacuum breaker, multi branch, ASSE approved, local code compliant

ITEM: <u>Trap Primer</u> Reference Kelsey Park sheet P-1

• Satin chrome plated cast bronze P-trap w/ground joint connection, ½" primer tube

• Threaded wall tube w/ escutcheon

ITEM: Tankless Water Heater Reference Kelsey Park sheet, Lake Shore Sh. P-1, E-1

- Only on Demand commercial electric tankless hot water heater, 40+/- AMP. Temp range 100-140 degree F
- Temp. rise 38 degrees F @ 1.5 GPM

ITEM: Water Hammer Arrestor Reference Kelsey Park sheet P-1, Lake Shore P-1

Commercial lead free copper housing with polypropylene piston

• EPDM O-ring seal, brass NPT connection, 150 psi working pressure

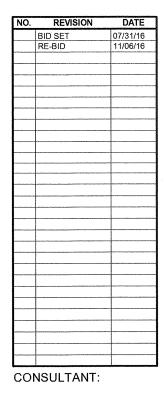
ITEM: Pressure Tank Reference Kelsey Park sheet P-1, Lake Shore Sheet P-1

- Steel tank, 10.3 gallon volume, heavy duty diaphragm, polypropylene liner
- Welded air valve, precharged

ITEM: Simpson Connector Reference Kelsey Park sheet S2.2

• See Plan Sheet S2.2, NOTES FOR TRUSS TIEDOWN SCHEDULE:

All anchors specified are Simpson Strong-tie (unless otherwise noted). "No substitutions" shall be made without prior written approval from the engineer of record. Any substitution requests shall be accompanied by manufacturer's specifications and cut sheets. For additional information and installation requirements see manufacturer's specifications.



RESTROOM FACILITY

SHORE]

DRAWING TITLE:

SPECIFICATIONS

CHECKED: CPZ

SCALE: 12" = 1'-0"

TECHNICAL

NOTE: TECHNICAL SPECIFICATIONS AUTHORED AND PROVIDED BY THE TOWN OF LAKE PARK



CHRIS P. ZIMMERMAN, A.I.A.