ABBREVIATIONS

1HR	1 HOUR
2HR	2 HOUR
ACC	ACCESSIBLE
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM STOREFRONT (CONSTRUCTION/FRAMING)
ALUM	ALUMINUM
APPROX	APPROXIMATE
BLKG	BLOCKING
BOB	BOTTOM OF BEAM
BLDG	BUILDING
CAB	CABINET
CLG	CEILING
CLR	CLEAR/CLEARANCE
CMU	CONCRETE MASONRY UNIT
CTR	CENTER
C.L.	CENTER LINE
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CT	CERAMIC TILE
CW	COLD WATER
DEG	DEGREES
DTL	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DM	DESIGN MANAGER
DN	DOWN
DWG(S)	DRAWING(S)
E	EXISTING
EA	EACH
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EQ	EQUAL
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FC	FIXTURE CONTRACTOR
FFE	FINISH FLOOR ELEV
FOC	FACE OF CABINET
FOG	FACE OF GLAZING
FOS	FACE OF STUD
FRP	FIBERGLASS REINFORCED PANEL
FIO	FURNISHED & INSTALLED BY OWNER
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR
FLR	FLOOR
FS	FLOOR SINK
FT	FOOT/FEET
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVAINIZED
GC	GENERAL CONTRACTOR
GWB	GYPSUM WALL BOARD
HC	HOLLOW CORE
HDR	HEADER
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HM1	HOLLOW METAL SINGLE RABBET
HM2	HOLLOW METAL DOUBLE RABBET
HM3	HOLLOW METAL SINGLE RABBET FOR CMMU WALL
HM4	HOLLOW METAL NO RABBET
HR	HOUR
HORZ	HORIZONTAL
HW	HOT WATER
HVAC	HEATING VENTILATING AIR CONDITIONING
IF	INSIDE/INTERIOR FACE
INSUL	INSULATION
ID	INSIDE DIAMETER
LC	LICENSEE
LL	LANDLORD
MAX	MAXIMUM
INFO	INFORMATION
MECH	MECHANICAL
MIN	MINIMUM
MC	MECHANICAL CONTRACTOR
MLDG	MOULDING
MTL	METAL
MEP	MECHANICAL ELECTRICAL AND PLUMBING
NAT	NATURAL
MFG	MANUFACTURER
NR	NOT RATED
NIC	NOT IN CONTRACT
OA	OVER ALL
OC	ON CENTER
NL	NIGHT LIGHTING
NTS	NOT TO SCALE
OPNG	OPENING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
PLYWD	PLYWOOD
PT	PAINT
PC	PLUMBING CONTRACTOR
R	RADIUS
PD	PRODUCTION DESIGNER
REF	REFERENCE
REQ('D)	REQUIRE(D)
PLAM	PLASTIC LAMINATE
PM	PROJECT MANAGER
REV	REVISED/REVISION
RESP	RESPONSIBILITIES (I.E. SB, LC, GC)
SC	SOLID CORE
SHT	SHEET
SIM	SIMILAR
SOL	SOLID
QT	QUARRY TILE
SQ	SQUARE
STL	STEEL
STG	STORAGE
SPECS	SPECIFICATION(S)
SUSP	SUSPENDED
SF	SQUARE FEET
SS	STAINLESS STEEL
T	TEMPERED
TEL	TELEPHONE
TEMP	TEMPORARY
TYP	TYPICAL
TW	TEMPERED WATER
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VCT	VINYL COMPOSITE TILE
VD	VENDOR DIRECT
VIF	VERIFY IN FIELD
W	WIRE
WD	WOOD
WH	WATER HEATER
WMV	WHITE MAPLE VENEER

REFERENCE SIMBOLS

- NORTH ARROW
- 0'-0" BENCHMARK
- SECTION NUMBER / SECTION / SHEET NUMBER
- XXXX ELEVATION
- DETAIL NUMBER / DETAIL BUBBLE / SHEET NUMBER
- REVISION CLOUD
- PXXX FINISH SCHEDULE
- X REVISION
- DATUM POINT
- +X'-XX" AFF HEIGHT TAGS
- DXXX DOOR NUMBER
- XXXX EQUIPMENT TAG
- X WALL TYPE TAG
- X APPLIED WALL TREATMENT TAG
- CENTER LINE

PROJECT DATA

LOCAL BUILDING CODE / EDITION	2010 FLORIDA BUILDING CODE (FBC) 2010 FLORIDA BUILDING CODE EXISTING (FBC)
BUILDING DEPARTMENT	COLUMBIA COUNTY BUILDING DEPARTMENT
ADDRESS / PHONE	135 NE HERNANDO AVE, SUITE B-21 LAKE CITY, FL. 32055 PHONE: (386) 758-1008
CONTACT	ALL CORRESPODENCE COORDINATED THRU THE ARCHITECT
FIRE PROTECTION SYSTEM:	
FIRE CODE	2010 FLORIDA FIRE PREVENTION CODE
ACCESSIBILITY CODE	ADA(ADAAG) 2010 FBC CHAPTER 11 ACCESSIBILITY
ELECTRICAL CODE	2008 NATIONAL ELECTRICAL CODE
MECHANICAL CODE	2010 FLORIDA MECHANICAL CODE
PLUMBING CODE	2010 FLORIDA PLUMBING CODE
ENERGY CODE	2010 IEC
OCCUPANCY GROUP	A-2 ASSEMBLY
OVERALL BUILDING:	11293 SQFT
AREA OF ALTERATION:	3304 SQFT

VICINITY MAP

GENERAL

OWNER SHALL HIRE
REVIEW AND SHALL
INCLUDING THE SUB
FOR PERMIT FILLING

DRAWINGS HAVI
2012 SUPPLEME

NOTE TO GE

PERMIT ISSUE DR

PROJECT D

ADDRESS:

Architect:

Electrical Engineer:

Plumbing Engineer:

SITE LOCATIO

WOR

ILLUMINATION NOTES

MEANS OF EGRESS ILLUMINATION (IBC 1006)

1006.2 ILLUMINATION LEVEL. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE (11 LUX) AT THE WALKING SURFACE LEVEL.

1006.4 PERFORMANCE OF SYSTEM. EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE (11 LUX) AND A MINIMUM AT ANY POINT OF 0.1 FOOT-CANDLE (1 LUX) MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 FOOT-CANDLE (6 LUX) AVERAGE AND A MINIMUM AT ANY POINT OF 0.06 FOOT-CANDLE (0.6 LUX) AT THE END OF THE EMERGENCY LIGHTING TIME DURATION. A MAXIMUM-TO-MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED.

EXIT SIGNS (IBC 1011)
1011.2 ILLUMINATION. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED.

1011.5.2 EXIT SIGN ILLUMINATION. THE FACE OF AN EXIT SIGN ILLUMINATED FROM AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT-CANDLES (54 LUX).

1011.5.3 POWER SOURCE. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. TO ENSURE ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE SIGN ILLUMINATION MEANS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR.

ROOM	AREA	RATE	LOAD
OPC	2499	100	25
TRAINING RM	281	20	16

LS4 OCCUPANCY LOAD CALCULATIONS
REF:

FIRE NOTES

CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERABLE FIRE ALARM SYSTEM AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION COMPLETE FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST GOVERNING EDITIONS OF NFPA 72 AND 101 AND THE FLORIDA BUILDING CODE. CONTRACTOR SHALL INCLUDE IN HIS BID ALL WORK NECESSARY TO PREPARE COMPLETE INSTALLATION DRAWINGS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER AS NEEDED FOR BUILDING PERMIT AS REQUIRED BY THE LOCAL AUTHORITIES HAVING JURISDICTION.

FIRE RATING NOTES

-INTERIOR CORRIDORS - 1 HR.

WALL LEGEND

1 HOUR FIRE-RATED WALL
2 HOUR FIRE-RATED WALL

NOTE:
CONCRETE STRUCTURAL BEARING ELEMENTS TO BE 3 HR FIRE RATED COMPLIANT PER TBL. 6OZ.

LS1 FIRE RATING WALL LEGEND
REF:

EXITING LEGEND

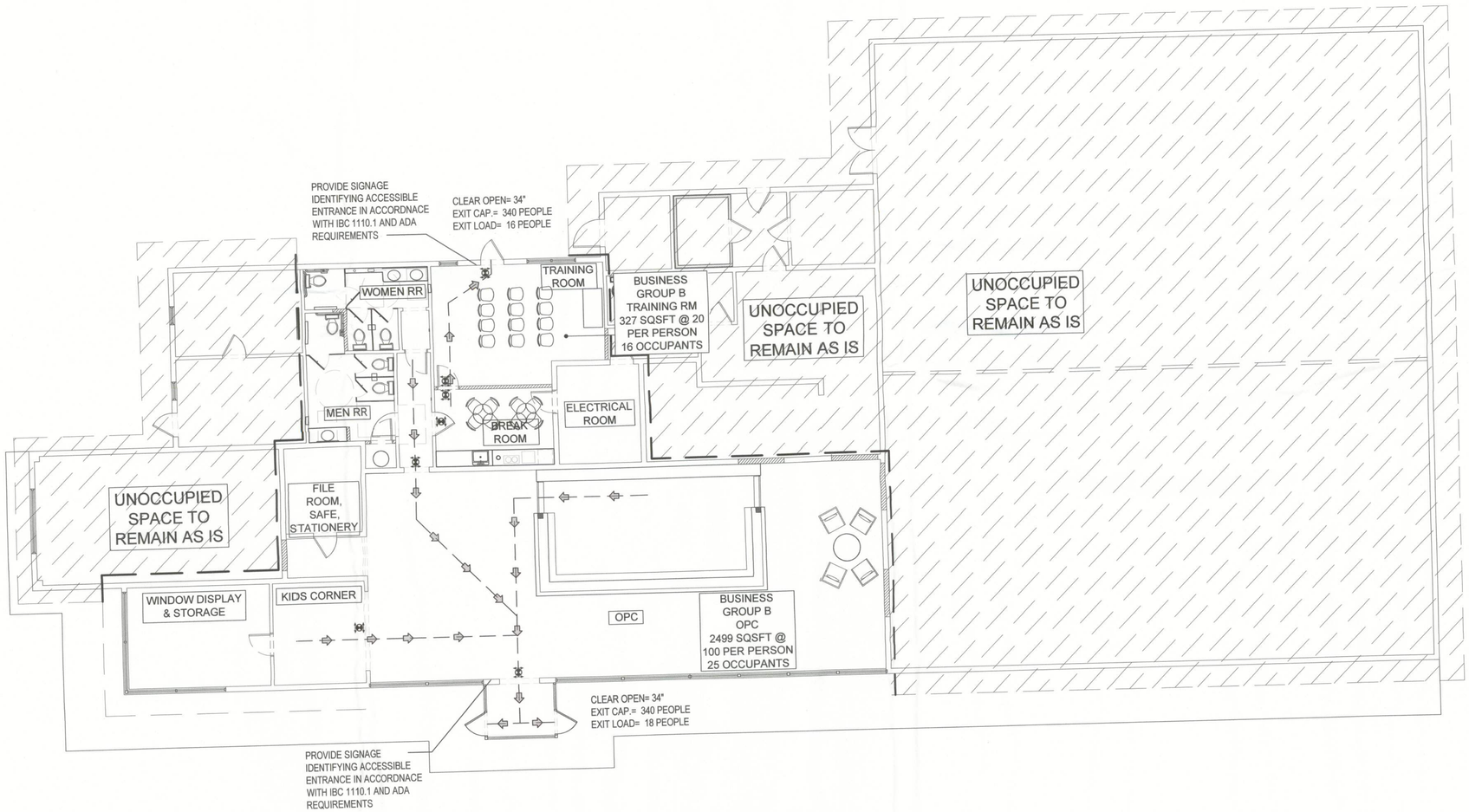
- EXIT DIRECTION OF TRAVEL
- PATH OF TRAVEL
- LIGHTED EXIT SIGN LOCATION
- LIGHTED EXIT SIGN W/ DIRECTIONAL ARROW
- AUDIBLE / VISUAL FIRE ALARM
- EMERGENCY LIGHTS
- FEC FIRE EXTINGUISHER CABINET

LS2 SYMBOLS LEGEND
REF:

GENERAL NOTES

1. REFER TO SHEET A0.0 FOR COMPLETE CODE SUMMARY INFORMATION.
2. EXIT DISCHARGE OCCURS AT LEVEL 1. ALL EXIT ROUTES ARE ACCESSIBLE ROUTES.
3. ALL ELECTRICAL BATTERY TYPE EXIT SIGNS AND EMERGENCY LIGHTING TYPE FIXTURES SHALL BE CONNECTED TO CONSTANT, NORMAL ROOM LIGHTING BRANCH CIRCUIT OF AREA SERVED (I.e., LOAD SIDE OF BREAKER, LINE SIDE OF ANY SWITCHING/CONTROLLING DEVICES) IN ACCORDANCE WITH NEC 700-12.
4. FIRE EXTINGUISHER FEC, TYPE '2A-10 B:C' SEMI-RECESSED CABINET, MOUNT TOP OF CABINET @ 60" A.F.F. LOCATE @ MAX. SPACING, NOT TO EXCEED 75'.

LS3 NOTES
REF:



LIFE SAFETY PLAN

REVISIONS

PROJECT OWNER:

Westgate Resorts
5601 Windhover Drive
Orlando, Florida 32819

PROJECT:

WESTGATE RESORTS LAKE CITY (OPC)
131 SW WEBBS GLEN
LAKE CITY, FL. 32024

Alma Smailbegovic
FL.REG. #AR94885
407.351.3350 (X. 322)
5601 WINDHOVER DRIVE
ORLANDO, FLORIDA. 32819

12/11/13

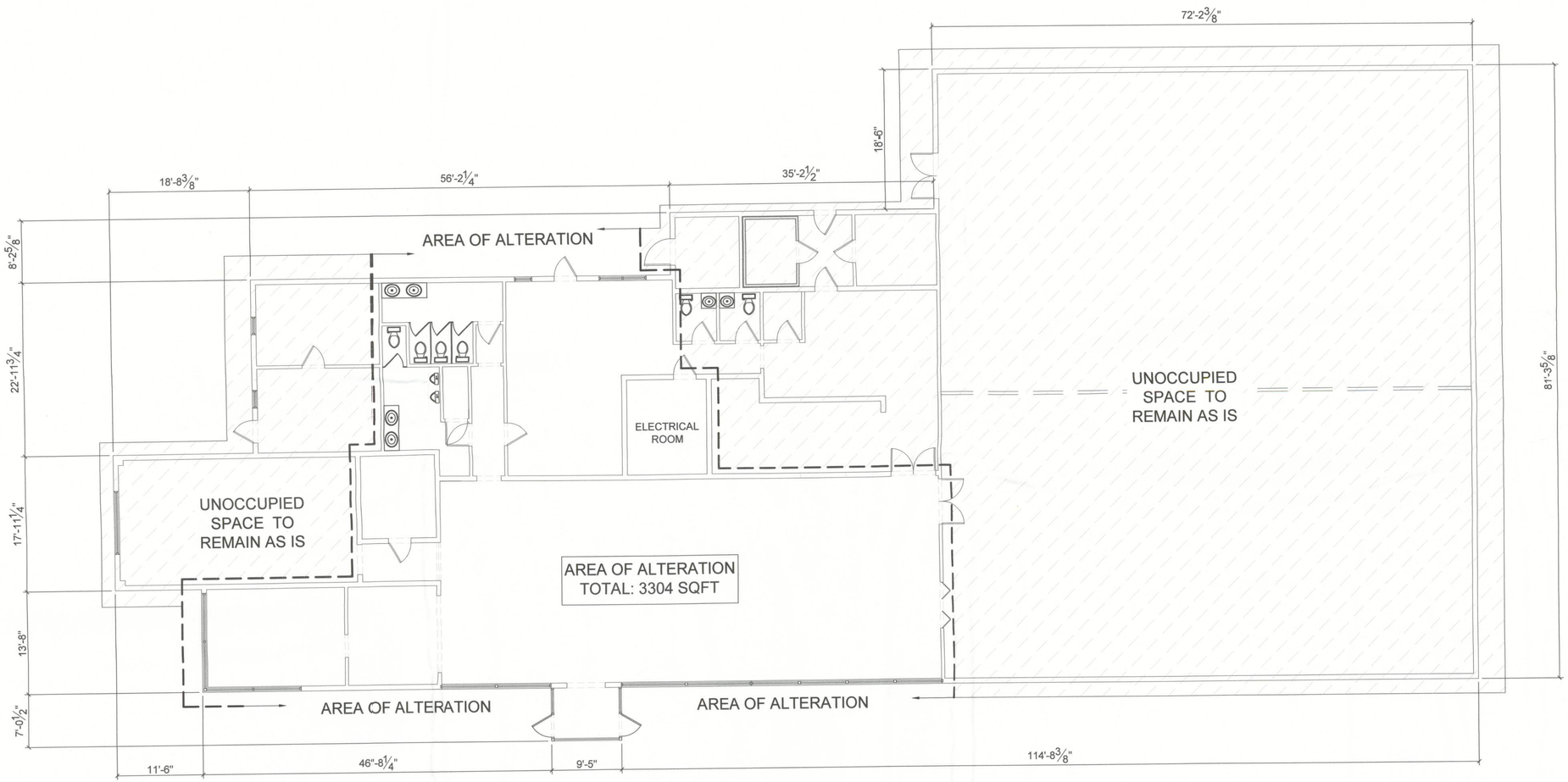
DATE: 12.11.2013

SCALE: 1/8" = 1'-0"

SHEET TITLE
LIFE SAFETY PLAN

SHEET NUMBER
LS1.0

NOTE:
HATCHED AREA TO REMAIN AS IS.



EXISTING FLOOR PLAN

REVISIONS

PROJECT OWNER:

Westgate Resorts

5601 Windhover Drive
Orlando, Florida 32819

PROJECT:

WESTGATE RESORTS LAKE CITY (OPC)

131 SW WEBBS GLEN
LAKE CITY, FL. 32024

Alma Smailbegovic

FL.REG. #AR94885

407.351.3350 (X. 322)

5601 WINDHOVER DRIVE
ORLANDO, FLORIDA. 32819

12/5/13

DATE: 12.11.2013

SCALE: 1/8" = 1'-0"

SHEET TITLE
EXISTING FLOOR PLAN

SHEET NUMBER
A1.0

ALTA/ACSM LAND TITLE SURVEY

IN SECTION 3
TOWNSHIP 6 SOUTH, RANGE 17 EAST
COLUMBIA COUNTY, FLORIDA

LEGEND

CMF=CONCRETE MONUMENT FOUND	OHE=OVERHEAD ELECTRIC LINE
CMS=CONCRETE MONUMENT SET	SEC=SECTION
IPF=IRON PIPE FOUND	SQ.=SQUARE
IPS=IRON PIPE SET	TWP.=TOWNSHIP
PLS=PROFESSIONAL LAND SURVEYOR	COR.=CORNER
PLSM=PROFESSIONAL SURVEYOR & MAPPER	NE=NORTHEAST
R/W=RIGHT-OF-WAY	NW=NORTHWEST
℄ =CENTER LINE	SW=SOUTHWEST
⅊ =PROPERTY LINE	SE=SOUTHEAST
PP=POWER POLE	LB=LICENSED BUSINESS
SP=SERVICE POLE	P.O.B.=POINT OF BEGINNING
TPED=TELEPHONE PEDESTAL	P.O.C.=POINT OF COMMENCE
IRC=IRON REBAR & CAP	Δ=DELTA, CENTRAL ANGLE
IRF=IRON REBAR	T=TANGENT OF CURVE
L=LENGTH OF CURVE	(F)=FIELD MEASUREMENTS
(P)=PLAT MEASUREMENTS	(D)=DEED MEASUREMENTS
WD (S)=WD IDENTIFICATION	FD.=FOUND
FDOT=FLORIDA DEPARTMENT OF TRANSPORTATION	F.O.C.=FIBER OPTIC CABLE
	MRKR=MARKER
BBL=BAILEY BISHOP & LANE	PP1=POWER POLE W/TRANSFORMER
CONC=CONCRETE	MON=MONUMENT
L.A. R/W=LIMITED ACCESS RIGHT-OF-WAY	C&G=CURB AND GUTTER

DESCRIPTION:

TOWNSHIP 6 SOUTH – RANGE 17 EAST

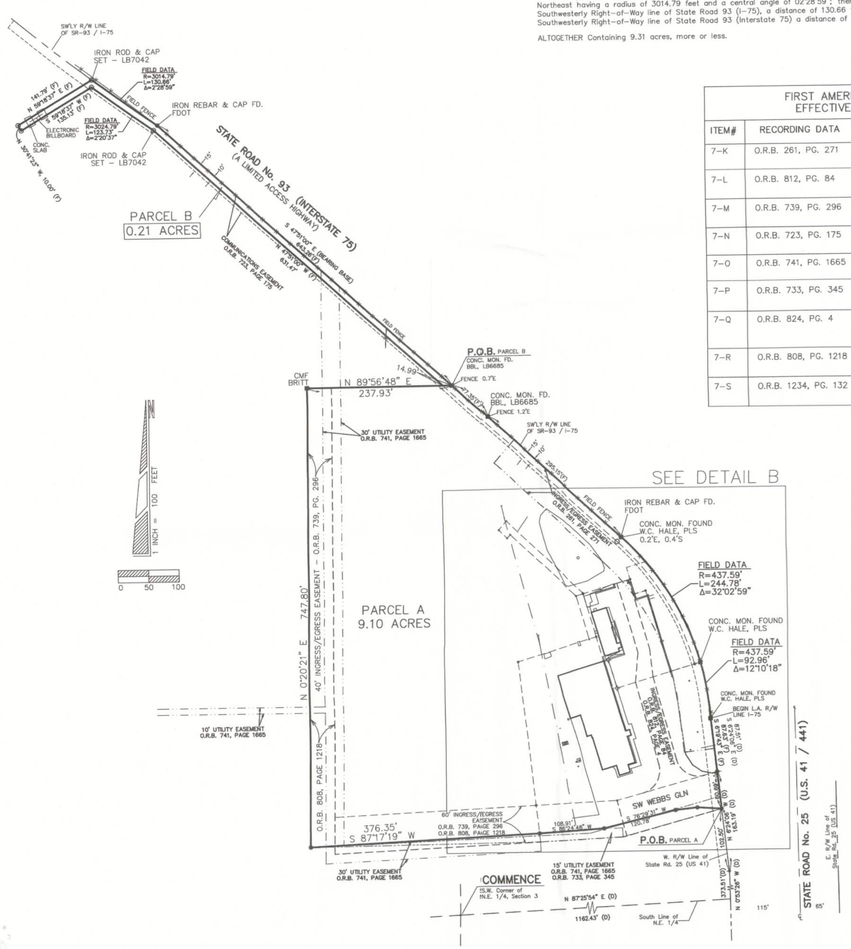
SECTION 3: COMMENCE at the Southwest corner of the NE 1/4, Section 3, Township 6 South, Range 17 East, Columbia County, Florida and run thence N 87°25'54" E along the South line of said NE 1/4, 1162.43 feet to the West Right-of-Way line of State Road No. 25; thence N 00°53'26" W along said West Right-of-Way line, 373.51 feet; thence N 06°24'06" W along said West Right-of-Way line, 102.50 feet to the POINT OF BEGINNING; thence North 86°18'58" West a distance of 40.48 feet; thence South 84°02'49" West a distance of 35.86 feet; thence South 76°29'31" West a distance of 120.78 feet; thence South 86°24'48" West a distance of 108.91 feet; thence South 87°17'19" West a distance of 376.35 feet; thence North 00°20'21" East a distance of 747.80 feet; thence North 89°56'48" East a distance of 237.93 feet to a point on the Southwesterly Right-of-Way line of State Road 93 (Interstate 75); thence South 47°51'00" East along said Southwesterly Right-of-Way line of State Road 93 (Interstate 75) a distance of 372.50 feet to the point of curve of a curve concave to the Southwest having a radius of 437.59 feet and a central angle of 44°13'17"; thence Southeasterly along the arc of said curve a distance of 337.74 feet to the end of said curve, said point being the end of Limited Access Right-of-Way of State Road 93 (Interstate 75) and the beginning of the Westerly Right-of-Way line of State Road 25 (U.S. Highway 41); thence South 06°19'43" East along said Westerly Right-of-Way line of State Road 25 (U.S. Highway 41) a distance of 87.63 feet; thence South 06°24'06" East still along said Westerly Right-of-Way line of State Road 25 (U.S. Highway 41) a distance of 60.69 feet to the POINT OF BEGINNING.

AND ALSO COMMENCE at the Southwest corner of the NE 1/4, Section 3, Township 6 South, Range 17 East, Columbia County, Florida and run thence N 87°25'54" E along the South line of said NE 1/4, 1162.43 feet to the West Right-of-Way line of State Road No. 25; thence N 00°53'26" W along said West Right-of-Way line, 373.51 feet; thence N 06°24'06" W along said West Right-of-Way line, 163.19 feet; thence N 06°19'43" W still along said West Right-of-Way line, 87.63 feet to the beginning of the Limited Access Right-of-Way line of State Road 93 (I-75) and the point of curve of a curve concave to the West having a radius of 437.59 feet and a central angle of 44°13'17"; thence Northwesterly along the arc of said curve, being also the Southwesterly Right-of-Way line of State Road 93 (Interstate 75), a distance of 372.50 feet to the POINT OF BEGINNING; thence South 89°56'48" West a distance of 14.99 feet; thence North 47°51'00" West along a line 10 feet Southwesterly of and parallel to the Southwesterly Right-of-Way line of State Road 93 (Interstate 75) a distance of 631.47 feet to a point on a curve concave to the Northeast having a radius of 3024.79 feet and a central angle of 02°20'37"; thence Northwesterly along the arc of said curve and still along said parallel line a distance of 123.73 feet to the end of said curve; thence S 59°18'37" W, 135.13; thence N 30°41'23" W, 10.00 feet; thence N 59°18'37" E, 141.79 feet to a point on the Southwesterly Right-of-Way line of State Road 93 (Interstate 75), said point also being a point on a curve concave to the Northeast having a radius of 3014.79 feet and a central angle of 02°28'59"; thence Southeasterly along the arc of said curve, being also said Southwesterly Right-of-Way line of State Road 93 (I-75), a distance of 130.66 feet to the end of said curve; thence S 47°51'00" E still along said Southwesterly Right-of-Way line of State Road 93 (Interstate 75) a distance of 643.26 feet to the POINT OF BEGINNING.

ALTOGETHER Containing 9.31 acres, more or less.

FIRST AMERICAN TITLE CO. #1062-3077431
EFFECTIVE DATE: DECEMBER 02, 2013

ITEM#	RECORDING DATA	DESCRIPTION	COMMENTS
7-K	O.R.B. 261, PG. 271	Ingress/Egress Easement	Affects parcels described. Plotted on survey.
7-L	O.R.B. 812, PG. 84	Ingress/Egress Easement	Affects parcels described. Plotted on survey.
7-M	O.R.B. 739, PG. 296	Ingress/Egress Easement	Affects parcels described. Plotted on survey.
7-N	O.R.B. 723, PG. 175	Utility Easement to AT&T	Affects parcels described. Plotted on survey.
7-O	O.R.B. 741, PG. 1665	Utility Easement to Clay Electric.	Affects parcels described. Plotted on survey.
7-P	O.R.B. 733, PG. 345	Utility Easement to Clay Electric.	Affects parcels described. Plotted on survey.
7-Q	O.R.B. 824, PG. 4	Ingress/Egress Easement and Water Retention Easement.	Affects parcels described. Plotted on survey.
7-R	O.R.B. 808, PG. 1218	Ingress/Egress Easement	Affects parcels described. Plotted on survey.
7-S	O.R.B. 1234, PG. 132	Water/Sewer Easement	Affects parcels described. Plotted on survey.



NOTES:

1.) Monumentation is as shown and designated on the face of the plat.

2.) Boundary based on instruction from client, monumentation found in place, description furnished by client, Florida Department of Transportation Right-of-Way maps, prior surveys by Bailey, Bishop & Lane; W.C. Hale & Associates, and this Company.

3.) Bearings projected from Westerly Right-of-Way line of Interstate 75 and based on above referenced Florida Department of Transportation Right-of-Way maps.

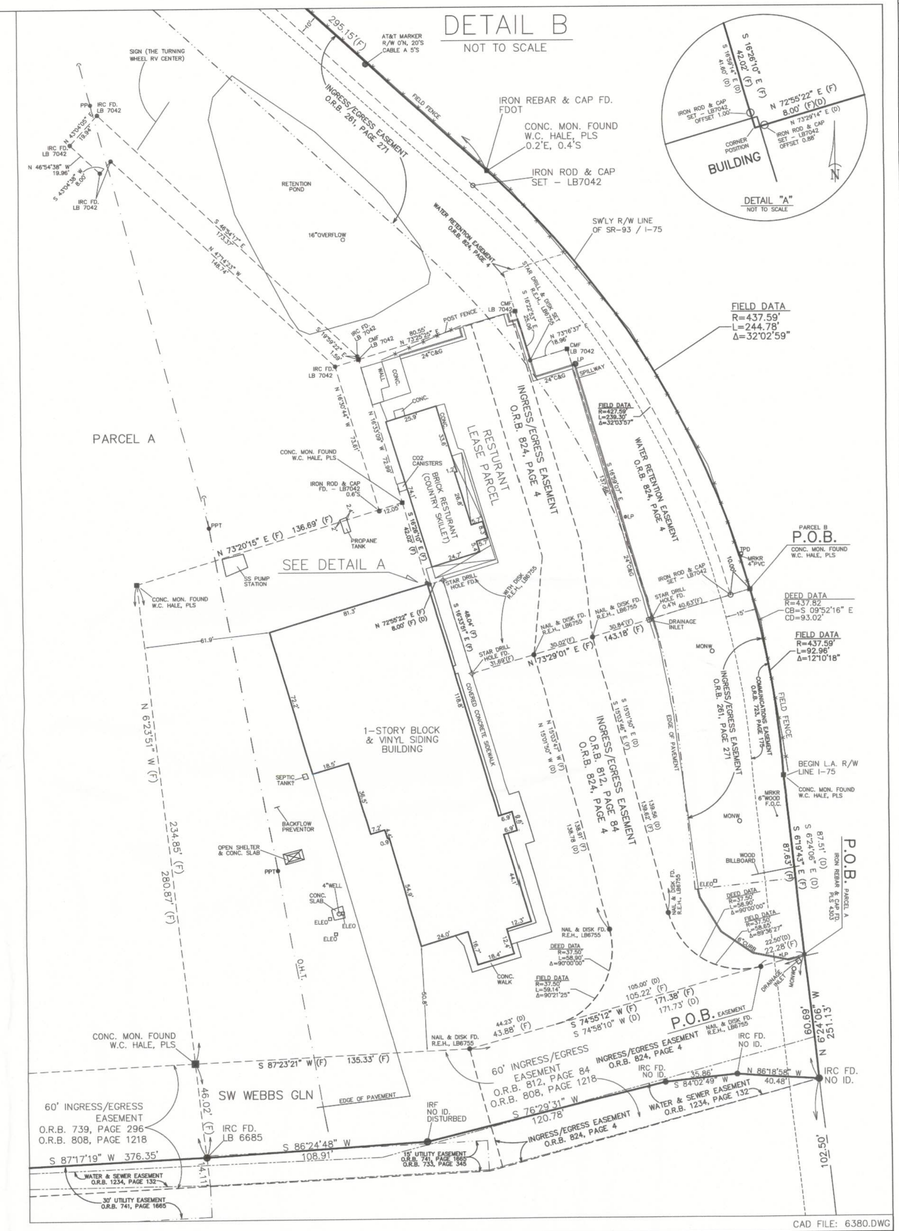
4.) Interior improvements were located by field ties.

5.) Underground encroachments, if present, were not located with this survey.

6.) This survey was made without benefit of a title search. There may be additional easements, restrictions, etc. not shown hereon but found in the Public Records. Issues regarding title, land use & zoning, easements & other encumberances are not a part of the scope of a Boundary Survey and can only be revealed with a title search.

7.) Date of field survey completion: November 22, 2013.

8.) Examination of the Flood Insurance Rate Maps (FIRM) for Columbia County shows that, per said maps, the described parcel lies within Flood Zone "X", which according to said maps is outside of the 0.2% chance floodplain (ref: Map No. 12023C0505C).



CERTIFICATION
To Westgate Resorts, Ltd.; Greenspoon Marder, P.A.; and First American Title Insurance Company:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 3, 4, 7a, 8, 11a and 14 of Table A thereof. The field work was completed on Novermber 22, 2013.

NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA REGISTERED PROFESSIONAL SURVEYOR AND MAPPER

Timothy A. Delbene, P.L.S.
Florida Reg. No. 5594
DATE: ____/____/2013

Donald F. Lee and Associates, Inc.
SURVEYORS – ENGINEERS
140 Northwest Ridgewood Avenue, Lake City, Florida 32055
Phone: (386) 755-6166 FAX: (386) 755-6167
Certificate of Authorization # LB 7042

Date: 12/11/2013	CFI/WESTGATE RESORTS	Scale: 1"=100'
Drafting: A V G		Field Book: 13-607
Computations: A V G		Work Order: 13-6380
Checked: T A D		File: B-31-25

REVISIONS

PROJECT OWNER:

Westgate Resorts
5601 Windhover Drive
Orlando, Florida 32819

PROJECT:

WESTGATE RESORTS LAKE CITY (OPC)
131 SW WEBBS GLEN
LAKE CITY, FL. 32024

DATE: 12.18.2013

SCALE: N.T.S.

SHEET TITLE
SITE PLAN

SHEET NUMBER
A1.1

KEYED NOTES:

1. REMOVE PLUMBING FIXTURE
2. REMOVE STALL PARTITION
3. REMOVE ALL TILE ON FLOOR AND PREPARE SLAB TOP TO RECEIVE NEW TILES
4. REMOVE DOOR AND FRAME AND SALVAGE TO REUSE
5. REMOVE TILE AND BOARD SUB-STRATE. PRESERVE STRUCTURAL WALL AND FURRING OR PARTITION STUD.
6. REMOVE CARPET ON FLOOR AND PREPARE SLAB TOP TO RECEIVE NEW CARPET.

LEGEND & SYMBOLS:

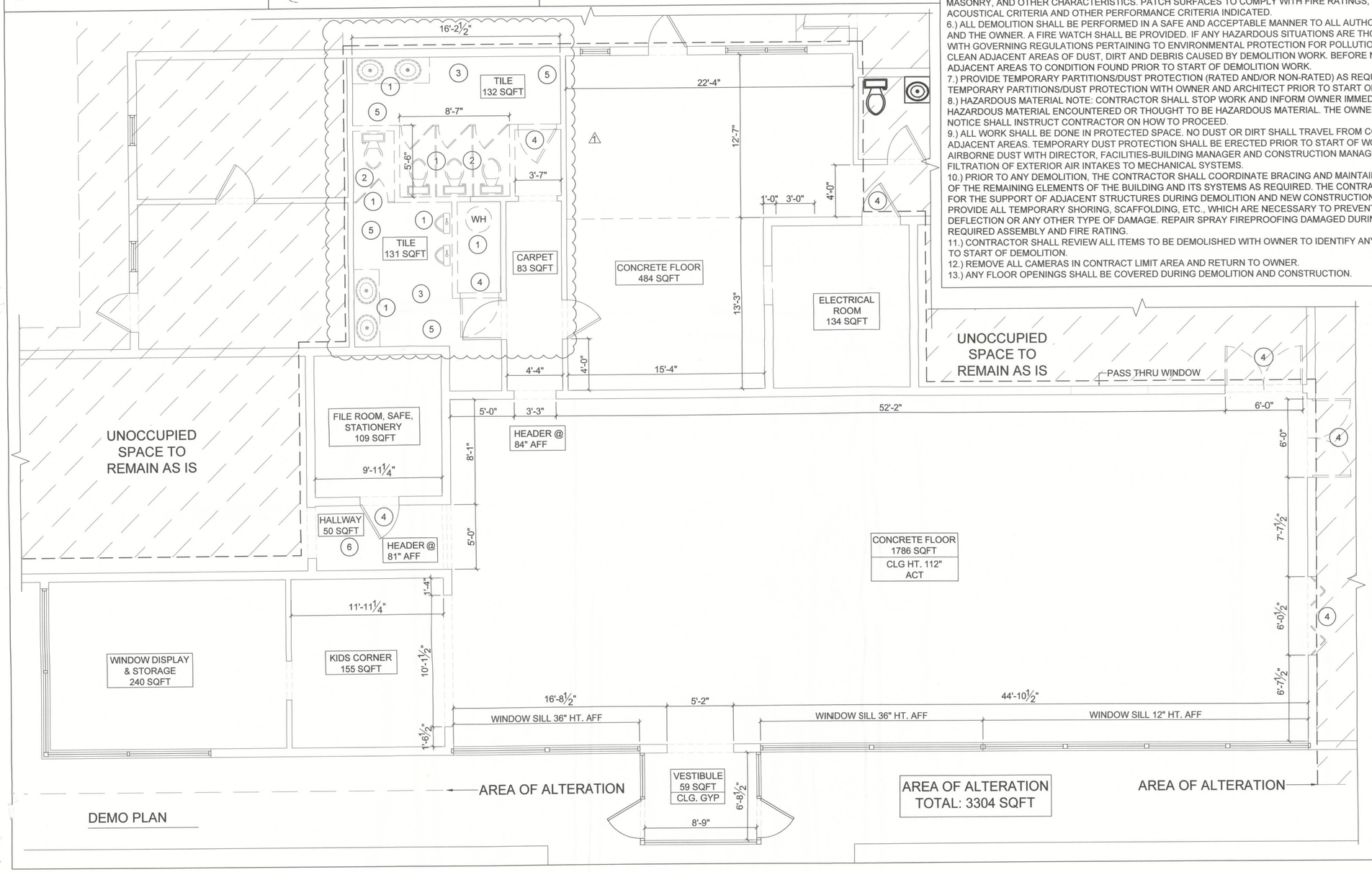
- WALL OR ANY OTHER ELEMENT TO PRESERVE
- TILE ON WALL TO REMOVE. REMOVE SUBSTRATE BOARD. PRESERVE STUDS AND FURRINGS.
- TOILET TO REMOVE.
- LAVATORY AND VANITY TO REMOVE.
- STALL PARTITION TO REMOVE.
- STALL DOOR TO REMOVE AND REINSTALL LATER.
- DOOR TO REMOVE.

SPECIFIC DEMOLITION NOTES:

PRESERVE EXISTING CEILING, LIGHT FIXTURES AND MECHANICAL DEVICES. REMOVE EXISTING FLOOR FINISH AND ADHESIVE. SCRAPE AND CLEAN IN ORDER TO PREPARE SLAB FOR SCHEDULED FINISHES AS REQUIRED FOR PROPER INSTALLATION. REMOVE EXISTING WALL FINISH AS NEEDED AND PREP FOR SCHEDULED FINISH. REMOVE EXISTING ACCESSORIES. VERIFY THEIR STORAGE, DISPOSAL OR REUSE WITH OWNER. REMOVE PORTION OF EXISTING WALL AS INDICATED. COORDINATE DIMENSIONS AND OPENING SIZE WITH DOOR/WINDOW SCHEDULE AND FRAME TYPES. REMOVE EXISTING CEILING SOFFIT . CAREFULLY REMOVE DRYWALL UNDER TILE ON WALLS AND PARTITIONS. EXISTING FRAMING TO REMAIN. SALVAGE EXISTING FURNISHINGS AND RETURN TO OWNER. SALVAGE ALL EXISTING EQUIPMENT, CASEWORK, ACCESSORIES AND FURNISHINGS AND STORE FOR REINSTALLATION IN ANOTHER PHASE. REMOVE EXISTING WALL FINISHES AND FLOORING.

GENERAL DEMOLITION NOTES:

1.) DASHED LINES ON DEMO PLANS REPRESENT WALLS, DOORS, SOFFITS, CASEWORK, ETC TO BE REMOVED. PATCH & REPAIR EXISTING ADJOINING AREAS TO REMAIN.
2.) THE CONTRACTOR SHALL NOT CONSIDER DEMOLITION AND ALTERATION NOTES TO BE ALL-INCLUSIVE. IT IS CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA AND TO FULFILL THE INTENT OF THE DESIGN INDICATED BY THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COORDINATE ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES WITH HVAC, ELECTRICAL, FIRE PROTECTION AND PLUMBING DRAWINGS AND NOTES. PATCH OR REBUILD ANY AREAS TO REMAIN THAT HAVE BEEN DAMAGED OR DISTURBED BY HVAC, ELECTRICAL, FIRE PROTECTION AND PLUMBING DEMOLITION.
3.) THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS WITHIN THE CONTRACT LIMITS AND NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING OF ANY DEVIATION FROM CONTRACT DOCUMENTS NECESSITATED BY FIELD CONDITIONS OR ITEMS NOT COVERED.
4.) MAINTAIN ACCESS TO EXITS AT ALL TIMES. FIRE ALARM AND SMOKE DETECTION SYSTEM SHALL REMAIN OPERATIONAL AT ALL TIMES. PROTECT SMOKE DETECTORS AS REQUIRED AND IN CONFORMANCE WITH CODES AND LOCAL AUTHORITIES HAVING JURISDICTION.
5.) FOR ALL SURFACES SCHEDULED TO REMAIN, PATCH AND MATCH SURFACES DISTURBED BY DEMOLITION OR REMOVAL OF EQUIPMENT OR UTILITIES. INSTALL PATCHING TO MATCH ADJACENT WORK IN FINISH, STRUCTURAL QUALITIES, COURSING OF MASONRY, AND OTHER CHARACTERISTICS. PATCH SURFACES TO COMPLY WITH FIRE RATINGS, SMOKE-TIGHT RATINGS, ACOUSTICAL CRITERIA AND OTHER PERFORMANCE CRITERIA INDICATED.
6.) ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. A FIRE WATCH SHALL BE PROVIDED. IF ANY HAZARDOUS SITUATIONS ARE THOUGHT TO BE POSSIBLE. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION FOR POLLUTION CONTROL. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION WORK. BEFORE NEW WORK BEGINS, RETURN ADJACENT AREAS TO CONDITION FOUND PRIOR TO START OF DEMOLITION WORK.
7.) PROVIDE TEMPORARY PARTITIONS/DUST PROTECTION (RATED AND/OR NON-RATED) AS REQUIRED. REVIEW LOCATIONS OF TEMPORARY PARTITIONS/DUST PROTECTION WITH OWNER AND ARCHITECT PRIOR TO START OF WORK.
8.) HAZARDOUS MATERIAL NOTE: CONTRACTOR SHALL STOP WORK AND INFORM OWNER IMMEDIATELY IN WRITING OF ANY HAZARDOUS MATERIAL ENCOUNTERED OR THOUGHT TO BE HAZARDOUS MATERIAL. THE OWNER, AFTER RECEIVING WRITTEN NOTICE SHALL INSTRUCT CONTRACTOR ON HOW TO PROCEED.
9.) ALL WORK SHALL BE DONE IN PROTECTED SPACE. NO DUST OR DIRT SHALL TRAVEL FROM CONSTRUCTION AREA TO ADJACENT AREAS. TEMPORARY DUST PROTECTION SHALL BE ERECTED PRIOR TO START OF WORK. PROVISIONS TO CONTROL AIRBORNE DUST WITH DIRECTOR, FACILITIES-BUILDING MANAGER AND CONSTRUCTION MANAGER. COORDINATE ADDITIONAL FILTRATION OF EXTERIOR AIR INTAKES TO MECHANICAL SYSTEMS.
10.) PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AND ITS SYSTEMS AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPORT OF ADJACENT STRUCTURES DURING DEMOLITION AND NEW CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, SCAFFOLDING, ETC., WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE. REPAIR SPRAY FIREPROOFING DAMAGED DURING DEMOLITION WORK TO ITS REQUIRED ASSEMBLY AND FIRE RATING.
11.) CONTRACTOR SHALL REVIEW ALL ITEMS TO BE DEMOLISHED WITH OWNER TO IDENTIFY ANY ITEMS TO BE SALVAGED PRIOR TO START OF DEMOLITION.
12.) REMOVE ALL CAMERAS IN CONTRACT LIMIT AREA AND RETURN TO OWNER.
13.) ANY FLOOR OPENINGS SHALL BE COVERED DURING DEMOLITION AND CONSTRUCTION.



DEMO PLAN

REVISIONS		
1	ADDED SINKS PER CITY	01.21.14

PROJECT OWNER:

Westgate Resorts
5601 Windhover Drive
Orlando, Florida 32819

PROJECT:

WESTGATE RESORTS LAKE CITY (OPC)
131 SW WEBBS GLEN
LAKE CITY, FL. 32024

Alma Smailbegovic
FL.REG. #AR94885
407.351.3350 (X. 322)
5601 WINDHOVER DRIVE
ORLANDO, FLORIDA. 32819

DATE: 12.11.2013

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

SHEET TITLE: DEMO PLAN

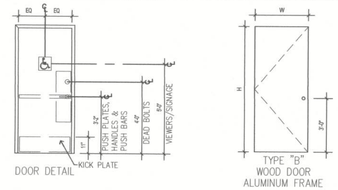
SHEET NUMBER: D1.0

WALL TYPE	CONSTRUCTION/DETAIL LOCATION		
1 NEW PARTITION WALL PAINT, ⅝" GYP BD. 20 GA 3⅝" MTL. STUDS 16" O.C., ⅝" GYP BD., PAINT DRYWALL SCREWS @ 12" O.C.. 45 DEGREE MTL STUD	PAINT PAINT 3-5/8" 4-7/8"	4 EXISTING WALL EXISTING WALL W/ TILE SEE FINISH SCHEDULE FOR NEW FINISHES ON EXISTING WALLS	EXIST.WALL TILE
2 NOT USED		5 NEW PARTITION WALL CERAMIC TILE, ⅝" CEM BD. 20 GA 3⅝" MTL. STUDS 16" O.C., ⅝" CEM BD., CERAMIC TILE DRYWALL SCREWS @ 12" O.C.. 45 DEGREE MTL STUD	TILE 3-5/8" TILE
3 EXISTING WALL EXISTING WALL W/ (2) ⅝" GYP BD. ON ELECTRICAL ROOM SIDE	EXIST.WALL PAINT	6 NEW PARTITION WALL U493 PAINT,(2) ⅝" GYP BD.TYPE X 20 GA 3⅝" MTL. STUDS 16" O.C., BATTS & BLANKETS 20 GA 3⅝" MTL. STUDS 16" O.C., (2) ⅝" GYP BD. TYPE X, PAINT DRYWALL SCREWS @ 12" O.C.. 45 DEGREE MTL STUD	PAINT PAINT

WALL BLOCKING KEY:

SYMBOL	ITEM	WEIGHT	HEIGHT AFF	APPROX. WIDTH
A	RESTROOM GRAB BARS	200 LBS	2'-6" TO 3'-0"	5'-0" AROUND WC

DOOR TYPES: MTG HTS FOR DOOR HARDWARE



WALL LEGEND

	NEW PARTITION WALL 5" ABOVE CLG
	EXISTING WALL

GENERAL NOTES

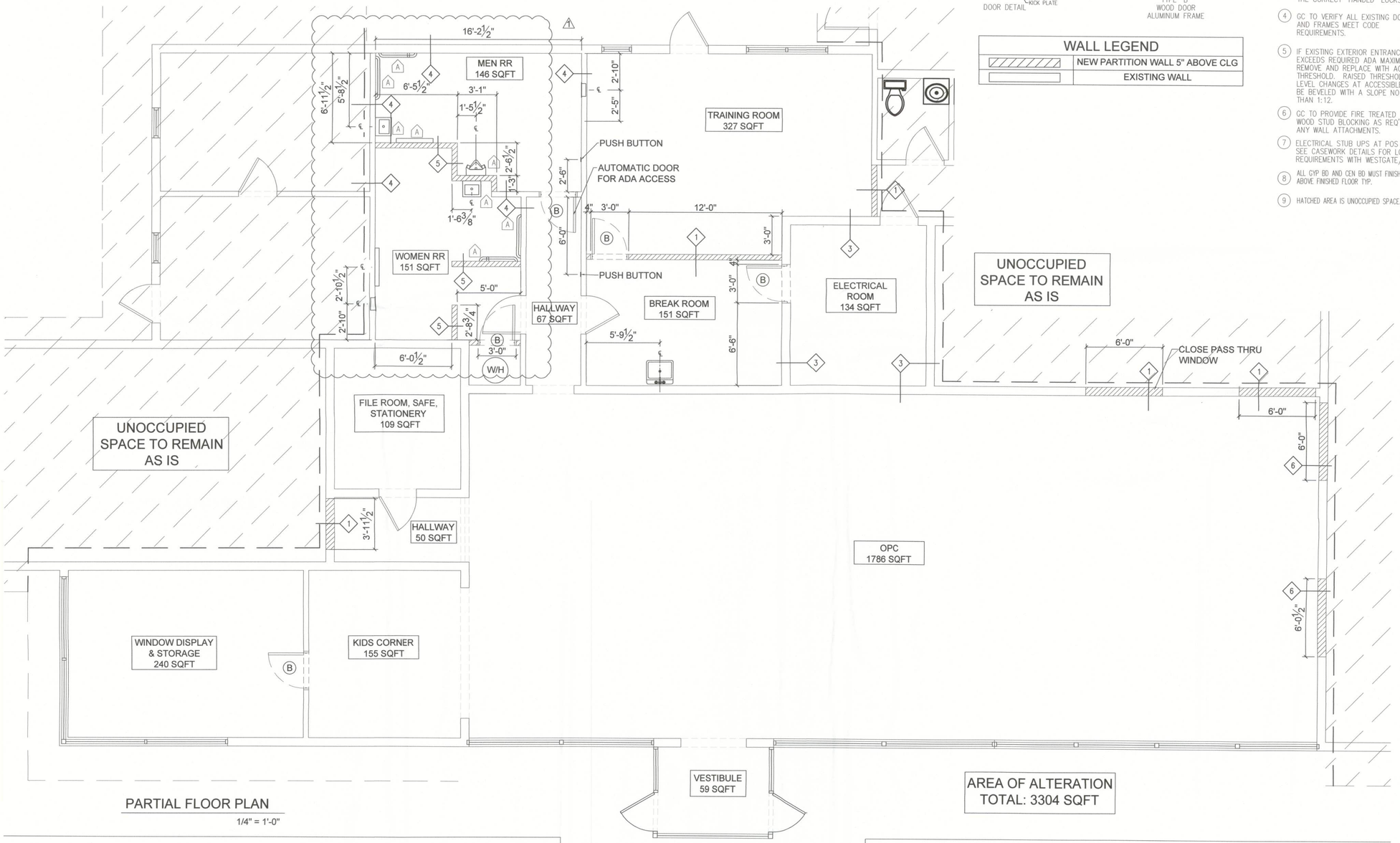
A FOR COMPLETE SCHEDULES SEE SHEETS A2.1 ENLARGED RESTROOM PLAN & A4.0 COMPOSITE PLAN

B STUB UP PENETRATIONS. SEE PLUMBING SHEETS FOR INDIVIDUAL STUB UP SPECIFICATIONS.

C GC TO VERIFY REQUIRED STUB UP DIMENSIONS FROM INTERIOR WALLS AND TO NOTIFY WESTGATE PROJECT MANAGER IF NOT IN COMPLIANCE

FLOOR PLAN NOTES

1. ALL DOORS TO PROVIDE 32" MIN CLEAR OPENING WHEN OPENED TO 90 DEGREE POSITION UNO.
2. GC TO PROVIDE LOCKSET PER PM INSTRUCTION SPECIFICATION.
3. GC TO VERIFY DOOR SWING AND SUPPLY THE CORRECT "HANDED" LOCKSET.
4. GC TO VERIFY ALL EXISTING DOORS, HARDWARE AND FRAMES MEET CODE REQUIREMENTS.
5. IF EXISTING EXTERIOR ENTRANCE THRESHOLD EXCEEDS REQUIRED ADA MAXIMUM HEIGHT OF ½", REMOVE AND REPLACE WITH ACCESSIBLE THRESHOLD. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS TO BE BEVELED WITH A SLOPE NO GREATER THAN 1:12.
6. GC TO PROVIDE FIRE TREATED 2X6 OR 2X8 WOOD STUD BLOCKING AS REQ'D TO SUPPORT ANY WALL ATTACHMENTS.
7. ELECTRICAL STUB UPS AT POS CASEWORK. SEE CASEWORK DETAILS FOR LOCATION. VERIFY POS REQUIREMENTS WITH WESTGATE/LICENSEE.
8. ALL GYP BD AND CEM BD MUST FINISH 1/2" ABOVE FINISHED FLOOR TYP.
9. HATCHED AREA IS UNOCCUPIED SPACE.



PARTIAL FLOOR PLAN

1/4" = 1'-0"

REVISIONS		
1	SINKS ADDED PER CITY	01.21.14

PROJECT OWNER:

Westgate Resorts

5601 Windhover Drive
Orlando, Florida 32819

PROJECT:

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131 SW WEBBS GLEN
LAKE CITY, FL. 32024

Alma Smailbegovic

FL.REG. #AR94885

407.351.3350 (X. 322)

5601 WINDHOVER DRIVE
ORLANDO, FLORIDA. 32819

DATE: 12.11.2013

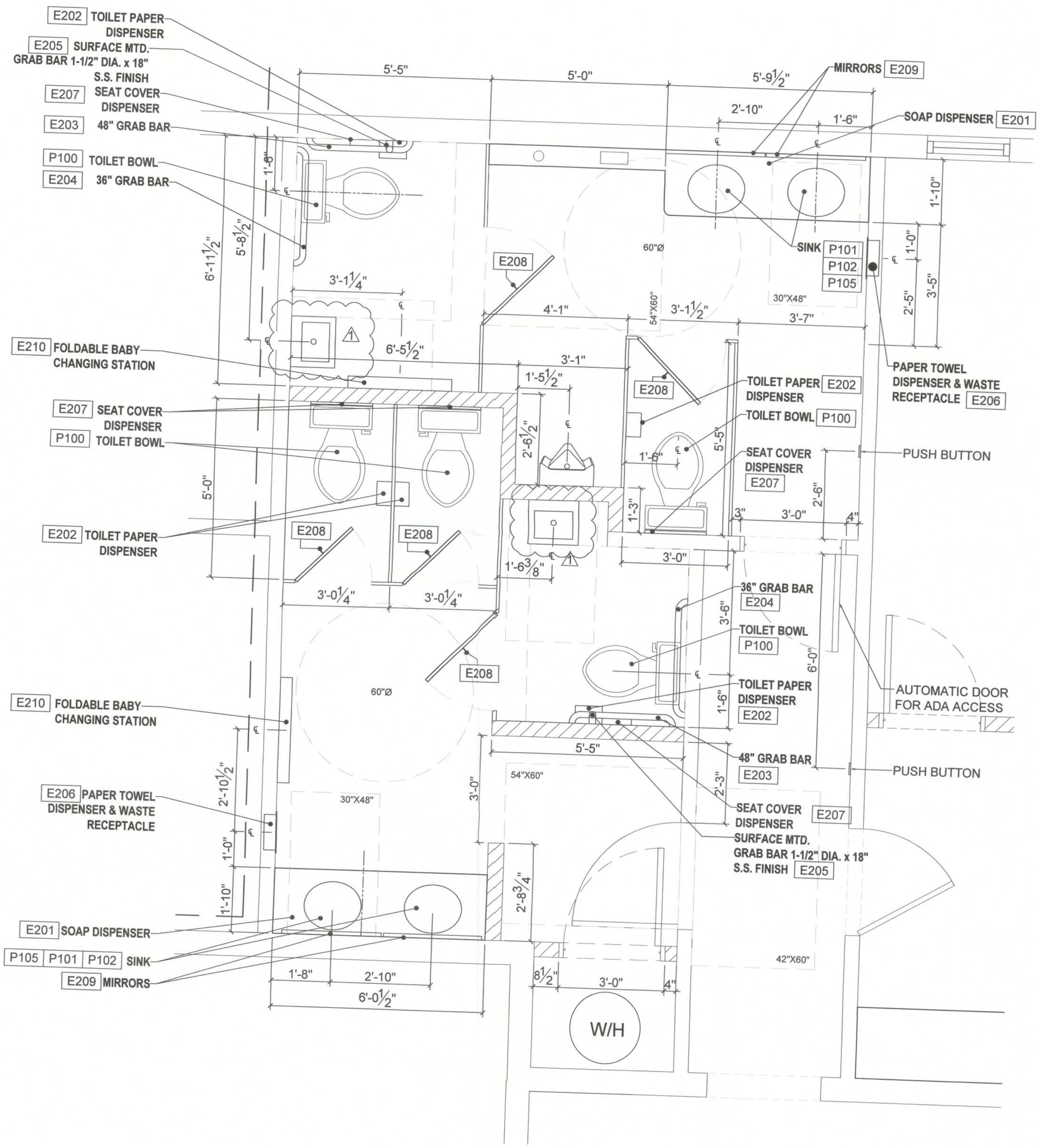
SCALE: 1/4" = 1'-0"

SHEET TITLE

PARTIAL FLOOR PLAN

SHEET NUMBER

A2.0



ENLARGED RESTROOM PLAN

1/2" = 1'-0"

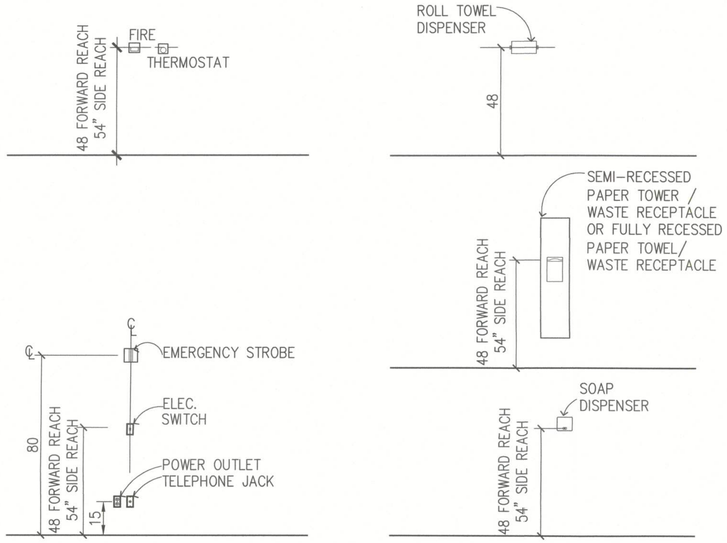
PLUMBING SCHEDULE:

ITEM#	QTY	DESCRIPTION	MANUFACTU
P100	5	TOILET BOWL -	KOHLER
P101	4	SINK - STD FOR RESTROOM	KOHLER
P102	4	FAUCET HANDSINK	AMERICAN ST
P103	1	SINK BREAK ROOM	ELKAY NEPTU
P104	1	FAUCET BREAK ROOM	DELTA
P105	4	PIPE INSULATION RESTROOM SINKS	
P106	1	URINAL	
P107	2	ADA RESTROOM HANDSINK	

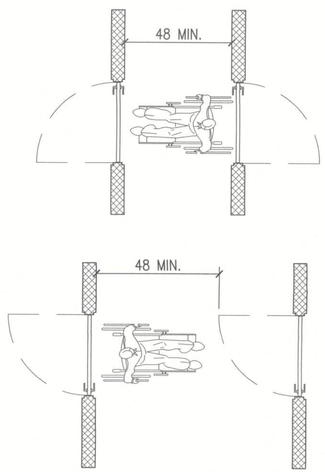
RESTROOMS SCHEDULE:

ITEM#	QTY	DESCRIPTION	MANUFACTUR
E201	2	SOAP DISPENSER WALL MOUNTED	
E202	5	TOILET PAPER DISPENSER	BRADLEY
E203	2	GRAB BAR 1-1/4" X 48IN	LOCKNET LLC
E204	2	GRAB BAR 1-1/4" X 36"	LOCKNET LLC
E205	2	GRAB BAR 1-1/4" X 18"	LOCKNET LLC
E206	2	PAPER TOWEL & WASTE RECEPTACLE	BRADLEY
E207	5	SEAT COVER DISPENSER	LOCKNET LLC
E208	5	COAT HOOK SATIN NICKEL FINISH	AMARI
E209	4	RESTROOM MIRROR	
E210	2	BABY CHANGING STATION	KOALA KARE

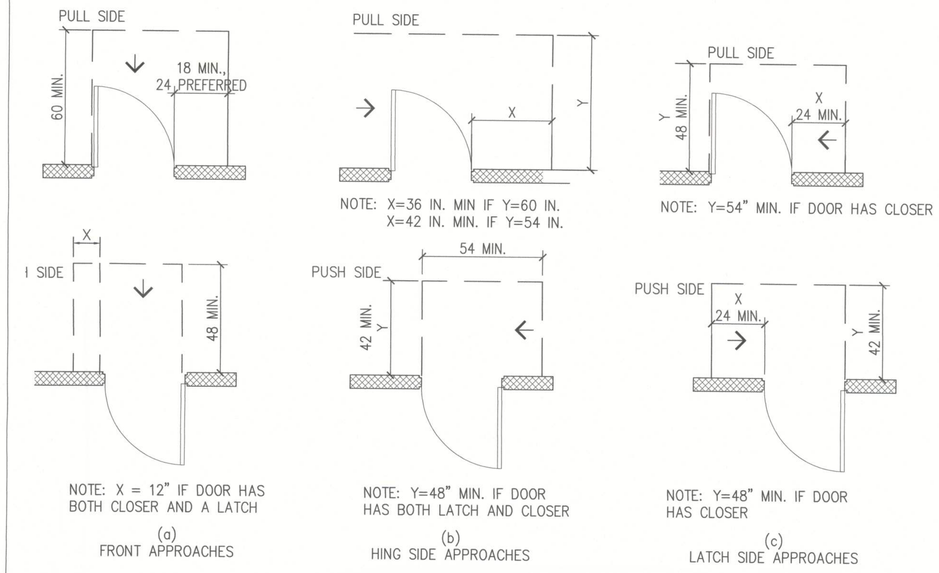
ACCESSORIES ELEVATION



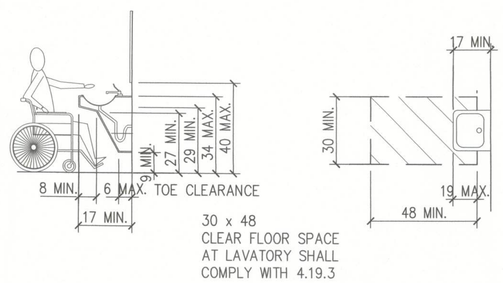
TWO SWING DOORS IN SERIES



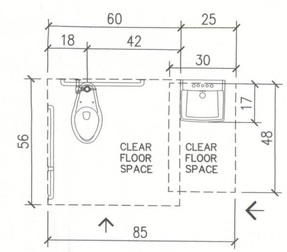
MANEUVERING CLEARANCE AT DOORS



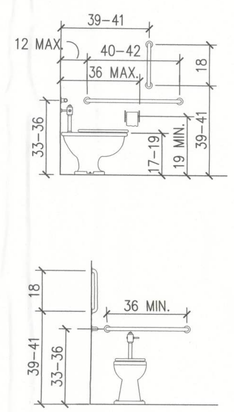
LAVATORY CLEARANCE



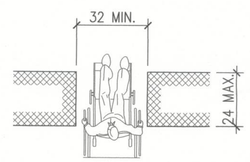
CLEAR FLOOR SPACE



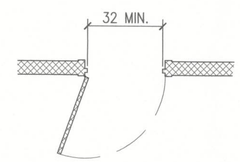
TOILET'S GRAB BARS ELEVATION



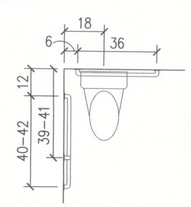
MAXIMUM DOORWAY DEPTH



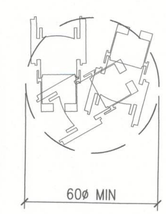
DOOR MIN. CLEARANCE



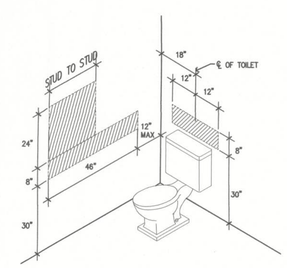
TOILET'S GRAB BARS PLAN



WHEELCHAIR TURNING SPACE



PARTITION REINFORCING FOR GRAB BARS



REVISIONS

PROJECT OWNER:

Westgate Resorts

5601 Windhover Drive
Orlando, Florida 32819

PROJECT:

WESTGATE RESORTS LAKE CITY (OPC)

131 SW WEBBS GLEN
LAKE CITY, FL. 32024

Alma Smailbegovic

FL.REG. #AR94885

407.351.3350 (X. 322)

5601 WINDHOVER DRIVE
ORLANDO, FLORIDA. 32819

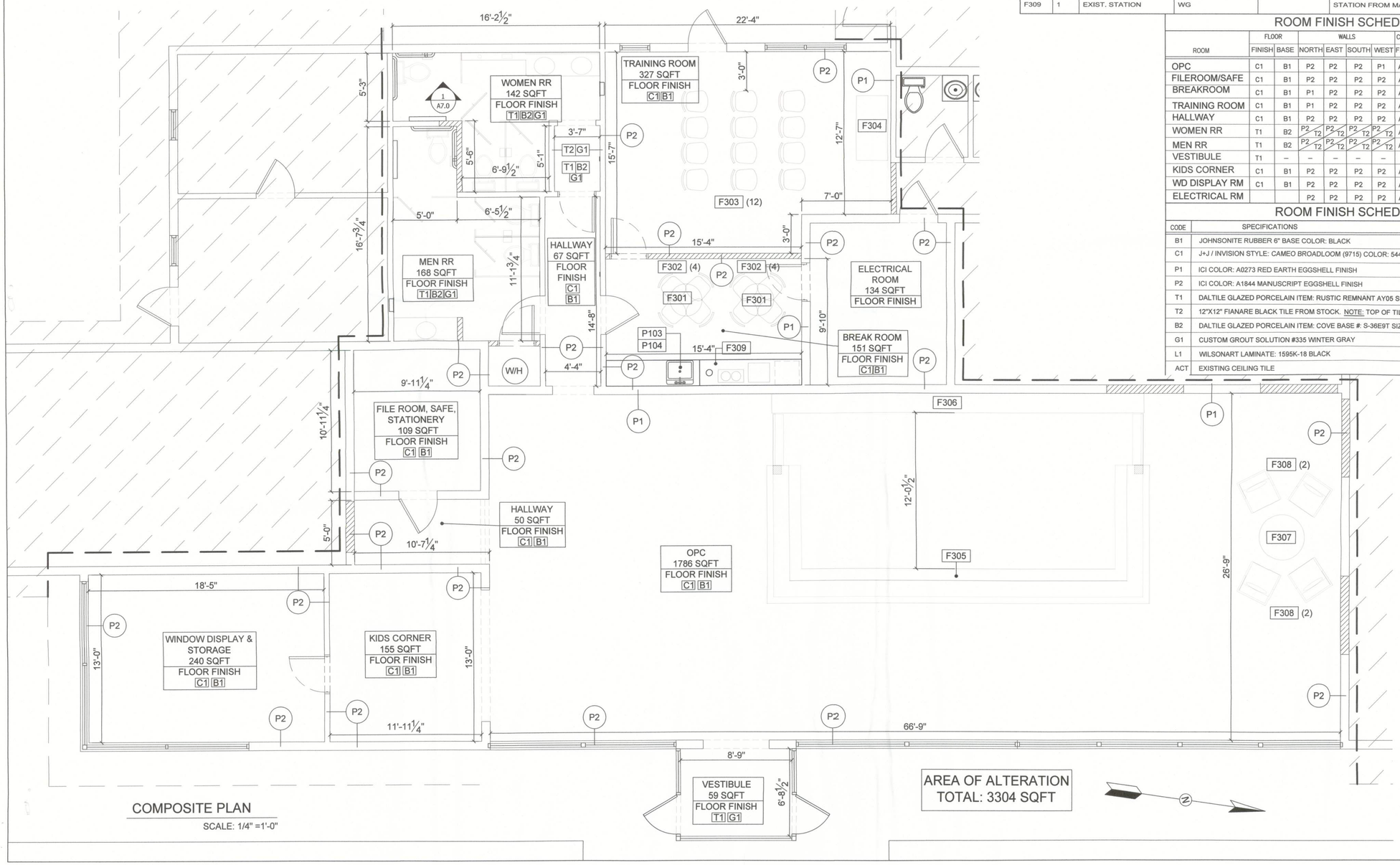
12/11/13

DATE: 12.11.2013

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

SHEET TITLE
ACCESSIBLE RESTROOMS DETAILS

SHEET NUMBER
A2.2



COMPOSITE PLAN

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

FURNITURE SCHEDULE:

ITEM#	QTY	DESCRIPTION	MANUFACTURER	MODEL #	REMARKS
F301	2	TABLE	OVER STOCK		30"Ø X 30"H BREAK ROOM
F302	8	CHAIR FOR TABLE	OVER STOCK		STANDARD CHAIR BREAK ROOM
F303	12	CHAIR	OVER STOCK		STANDARD CHAIR FOR TRAINING ROOM
F304	1	TABLE	OVER STOCK		30" X 60" STANDARD TABLE FOR TRAINING ROOM
F305	1	FRONT COUNTER	WG		SEE SHEET A6.0
F306	1	BACK STATION	WG		SEE SHEET A6.0
F307	1	GUEST TABLE	OVER STOCK		
F308	4	GUEST CHAIR	OVER STOCK		
F309	1	EXIST. STATION	WG		STATION FROM MARKETING COFRENCE ROOM

ROOM FINISH SCHEDULE

ROOM	FLOOR FINISH	FLOOR BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING FIN.	CEILING HGT.	REMARKS
OPC	C1	B1	P2	P2	P2	P1	ACT	112"	
FILEROOM/SAFE	C1	B1	P2	P2	P2	P2	ACT	96"	
BREAKROOM	C1	B1	P1	P2	P2	P2	ACT	96"	
TRAINING ROOM	C1	B1	P1	P2	P2	P2	ACT	96"	
HALLWAY	C1	B1	P2	P2	P2	P2	ACT	96"	
WOMEN RR	T1	B2	P2 / T2	P2 / T2	P2 / T2	P2 / T2	ACT	96"	P2 54" AFF TO CLG.
MEN RR	T1	B2	P2 / T2	P2 / T2	P2 / T2	P2 / T2	ACT	96"	P2 54" AFF TO CLG.
VESTIBULE	T1	–	–	–	–	–		96"	
KIDS CORNER	C1	B1	P2	P2	P2	P2	ACT	96"	
WD DISPLAY RM	C1	B1	P2	P2	P2	P2	ACT	96"	
ELECTRICAL RM			P2	P2	P2	P2	ACT	96"	

ROOM FINISH SCHEDULE

CODE	SPECIFICATIONS
B1	JOHNSONITE RUBBER 6" BASE COLOR: BLACK
C1	J+J / INVISION STYLE: CAMEO BROADLOOM (9715) COLOR: 544 SCARLET
P1	ICI COLOR: A0273 RED EARTH EGGSHELL FINISH
P2	ICI COLOR: A1844 MANUSCRIPT EGGSHELL FINISH
T1	DALTILE GLAZED PORCELAIN ITEM: RUSTIC REMNANT AY05 SIZE: 20"X20" FIELD TILE
T2	12"X12" FIANARE BLACK TILE FROM STOCK. NOTE: TOP OF TILE 54" HT. PAINT 54" AFF TO CEILING
B2	DALTILE GLAZED PORCELAIN ITEM: COVE BASE #: S-36E9T SIZE: 6"X13"
G1	CUSTOM GROUT SOLUTION #335 WINTER GRAY
L1	WILSONART LAMINATE: 1595K-18 BLACK
ACT	EXISTING CEILING TILE

REVISIONS

PROJECT OWNER:

Westgate Resorts

5601 Windhover Drive
Orlando, Florida 32819

PROJECT:

WESTGATE
RESORTS
LAKE CITY
(OPC)

131 SW WEBBS GLEN
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Alma Smailbegovic

FL.REG. #AR94885

407.351.3350 (X. 322)

5601 WINDHOVER DRIVE
ORLANDO, FLORIDA. 32819

12/21/13

DATE: 12.17.2013

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

SHEET TITLE

FLOORING

SHEET NUMBER

A3.0

GENERAL NOTES

1. THIS DRAWING SHALL BE USED AS AN INSTRUMENT OF SERVICE AND REFERENCE FOR ALL OTHER TRADES AND CONTRACTORS. ALL TRADES SHALL VERIFY THE INFORMATION AS SHOWN ON THESE PLANS. FOR SPECIFIC CONNECTION INFORMATION, REFER TO THE ARCHITECT AND/OR CONTRACTOR'S DRAWINGS.

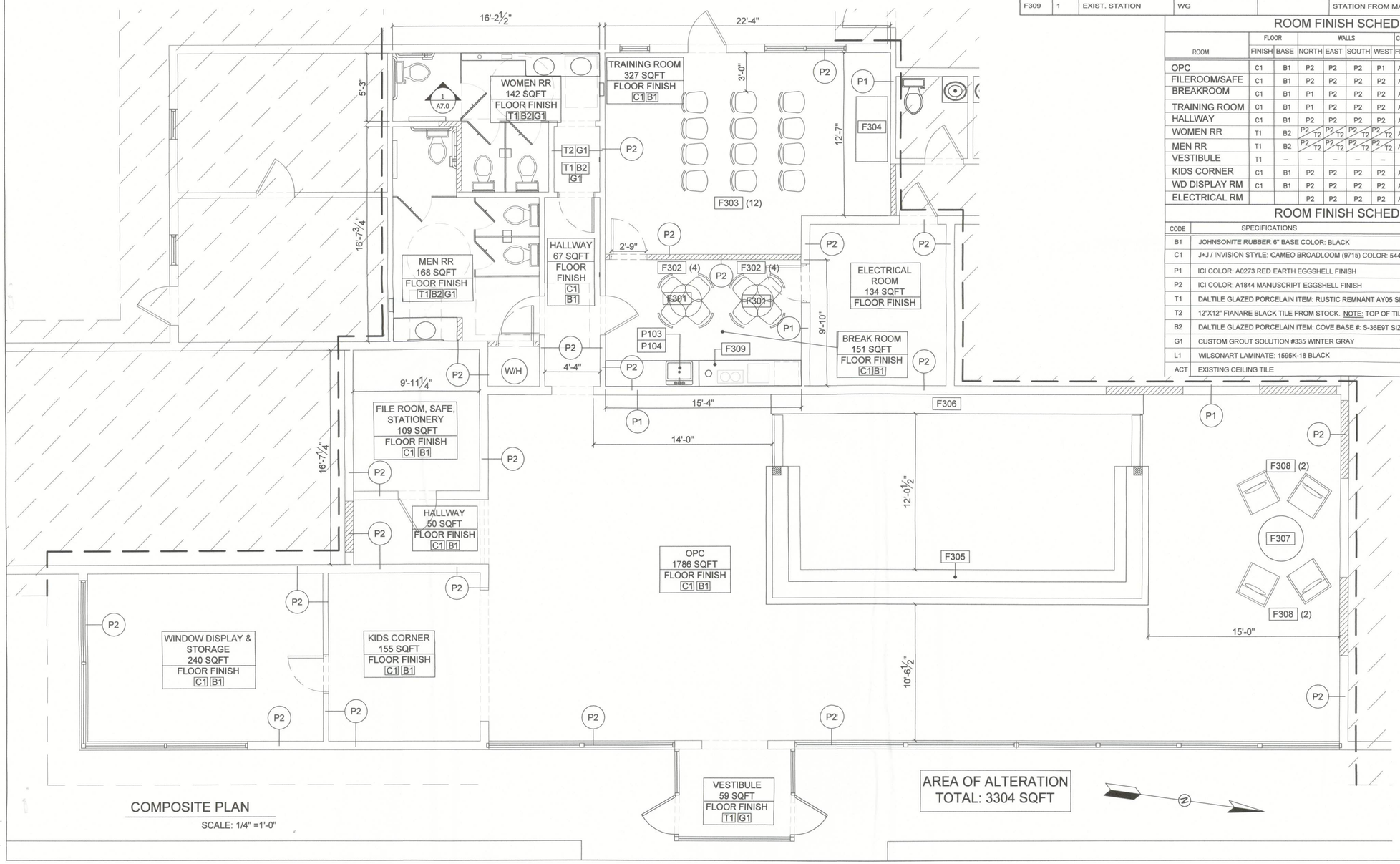
2. DIMENSIONS AND REQUIREMENTS FOR ALL EXISTING EQUIPMENT AND EQUIPMENT PROVIDED BY OTHERS MUST BE VERIFIED.

3. ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES SHALL APPLY.

4. ALL DIMENSIONS AND SYMBOLS ON THESE PLANS ARE BASED ON FINISHED WALL AND FLOOR DIMENSIONS. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL OR INTENDED CONDITIONS IN THE FIELD SHOULD BE REPORTED TO OWNER IMMEDIATELY.

NOTE:

1. FOR RESTROOM AND PLUMBING SCHEDULE SEE SHEET A2.1 ENLARGED RESTROOM PLAN.



COMPOSITE PLAN

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

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F308	4	GUEST CHAIR	OVER STOCK		
F309	1	EXIST. STATION	WG		STATION FROM MARKETING COFRENCE ROOM

ROOM FINISH SCHEDULE

ROOM	FLOOR		WALLS				CEILING		REMARKS
	FINISH	BASE	NORTH	EAST	SOUTH	WEST	FIN.	HGT.	
OPC	C1	B1	P2	P2	P2	P1	ACT	112"	
FILEROOM/SAFE	C1	B1	P2	P2	P2	P2	ACT	96"	
BREAKROOM	C1	B1	P1	P2	P2	P2	ACT	96"	
TRAINING ROOM	C1	B1	P1	P2	P2	P2	ACT	96"	
HALLWAY	C1	B1	P2	P2	P2	P2	ACT	96"	
WOMEN RR	T1	B2	P2 / T2	P2 / T2	P2 / T2	P2 / T2	ACT	96"	P2 54" AFF TO CLG.
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VESTIBULE	T1	–	–	–	–	–		96"	
KIDS CORNER	C1	B1	P2	P2	P2	P2	ACT	96"	
WD DISPLAY RM	C1	B1	P2	P2	P2	P2	ACT	96"	
ELECTRICAL RM			P2	P2	P2	P2	ACT	96"	

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CODE	SPECIFICATIONS
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ACT	EXISTING CEILING TILE

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5601 WINDHOVER DRIVE
ORLANDO, FLORIDA. 32819

12/9/13

DATE: 12.11.2013

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

SHEET TITLE

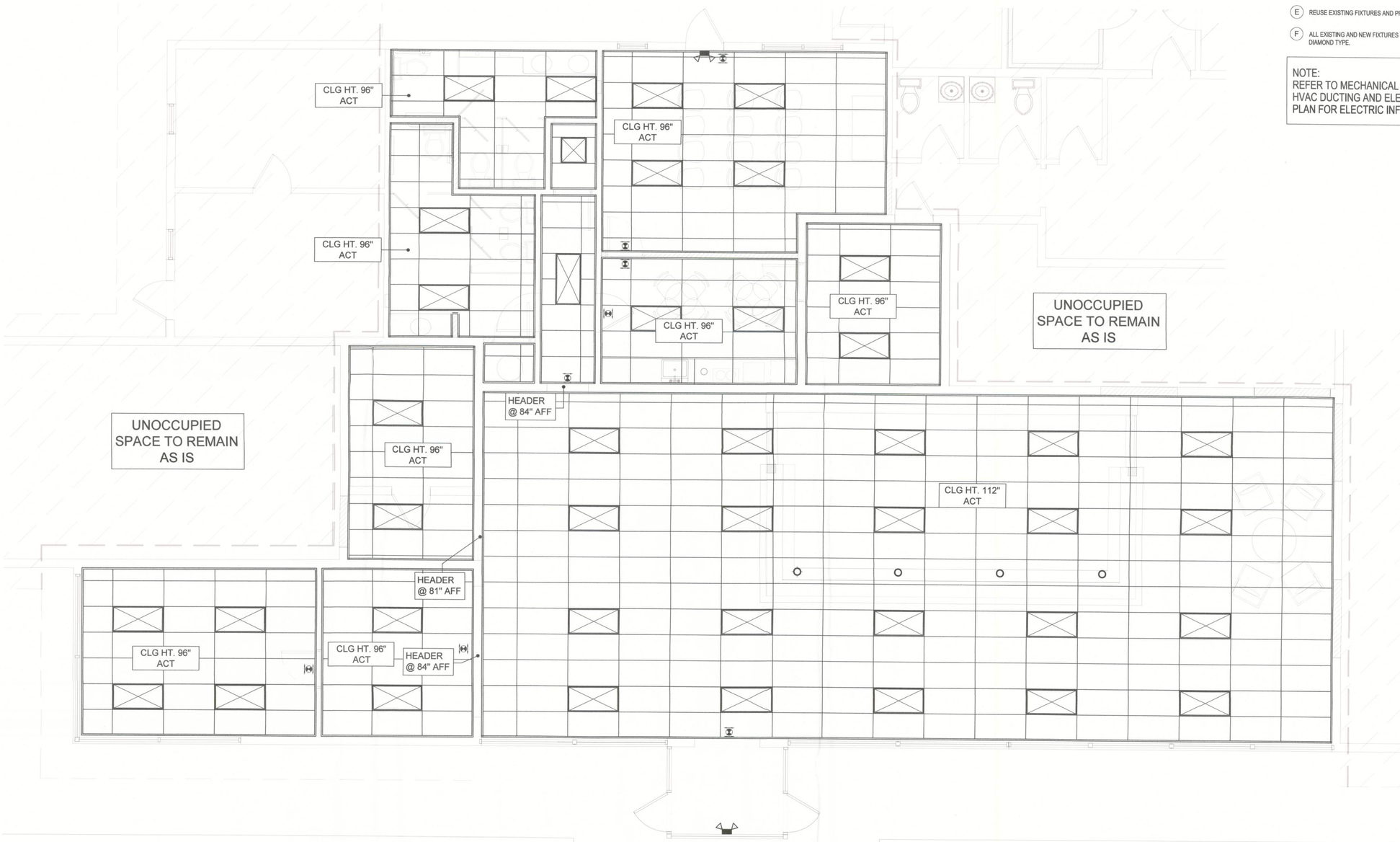
COMPOSITE
PLAN AND
SCHEDULES

SHEET NUMBER

A4.0

EXISTING CEILING

- 24" X 24" AC SUPPLY GRILL
- 24" X 24" AC RETURN GRILL
- LIGHTED EXIT SIGN W/ DIRECTIONAL ARROWS
- COMBINATION EXIT SIGN AND EMERGENCY LIGHT FIXTURE. WALL MOUNTED
- RECESSED CAN AND TRIM LIGHT FIXTURE
- 4 X 40W FLUORESCENT LIGHT FIXTURE WITH FLAT WHITE ACRYLIC DIFFUSER. RECESSED MOUNTED
- 2 X 40W FLUORESCENT LIGHT FIXTURE WITH FLAT WHITE ACRYLIC DIFFUSER. RECESSED MOUNTED
- 48" X 24" EXISTING ACT ON EXISTING GRID



REFLECTED CEILING PLAN

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

GENERAL NOTES

(A) NUMERICAL NOTES NOT LISTED ARE NOT USED.

(B) REPLACE ALL DAMAGED ACT AND GRID AS NEEDED.

(C) ALL RECESSED FIXTURE TRIM, DIFFUSERS, AND RETURNS TO BE PAINTED TO MATCH ADJACENT CEILING MATERIAL

(D) IF REQUIRED BY LOCAL CODE, GC TO PROVIDE SEMI-RECESSED SPRINKLER HEADS W/ POLISHED CHROME ESCUTCHEONS CENTERED IN ACT. GC TO SUBMIT SPRINKLER LAYOUT .

(E) REUSE EXISTING FIXTURES AND PRIDE NEW PER PLAN

(F) ALL EXISTING AND NEW FIXTURES TO HAVE FLAT LENS DIAMOND TYPE.

NOTE:
REFER TO MECHANICAL PLAN FOR HVAC DUCTING AND ELECTRICAL PLAN FOR ELECTRIC INFORMATION .

REVISIONS

PROJECT OWNER:

Westgate Resorts

5601 Windhover Drive
Orlando, Florida 32819

PROJECT:

WESTGATE RESORTS LAKE CITY (OPC)

131 SW WEBBS GLEN
LAKE CITY, FL. 32024

Alma Smailbegovic

FL.REG. #AR94885

407.351.3350 (X. 322)

5601 WINDHOVER DRIVE
ORLANDO, FLORIDA 32819

DATE: 12.11.2013

SCALE: AS NOTED

SHEET TITLE

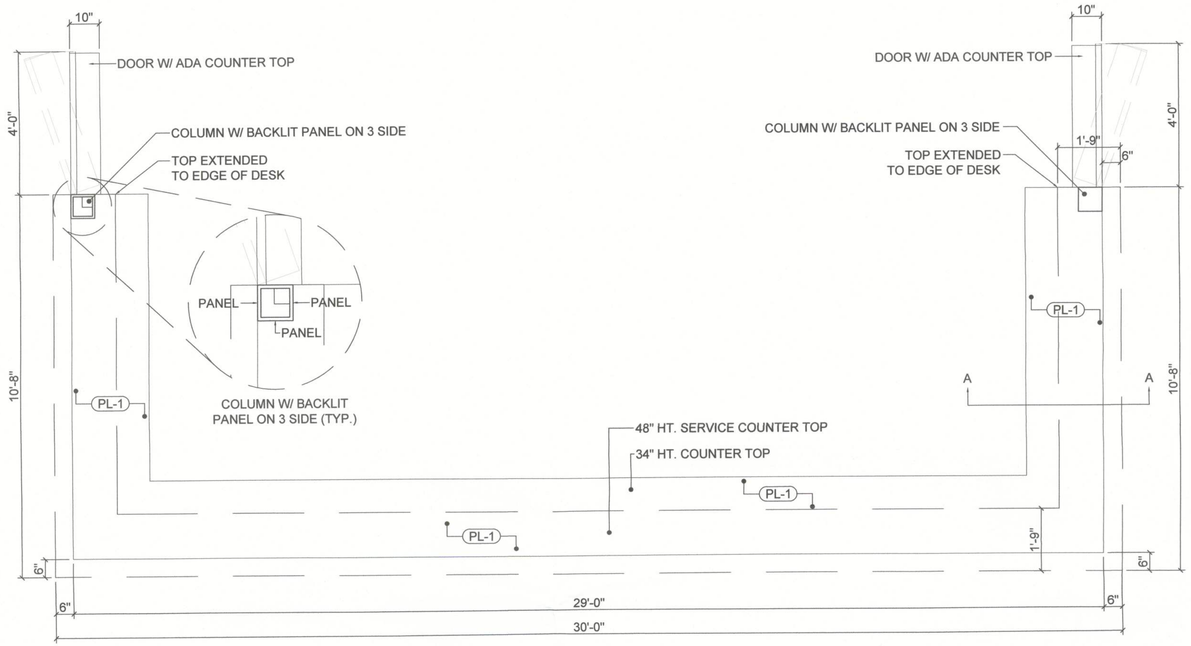
REFLECTED CEILING PLAN

SHEET NUMBER

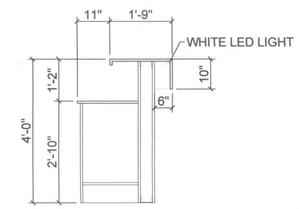
A5.0

FRONT COUNTER

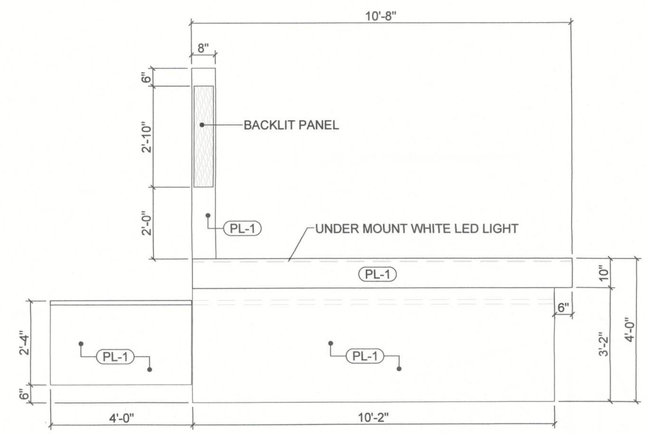
FINISH LEGEND	
PL-1	MAHOGANY LAMINATE



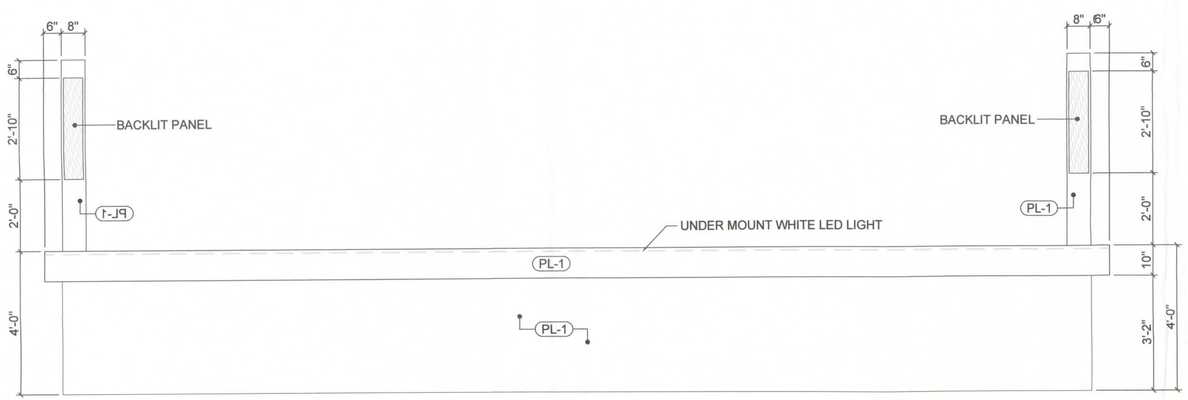
PLAN VIEW



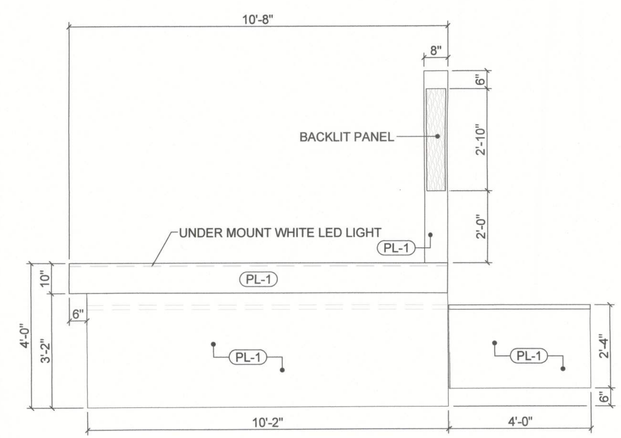
SECTION A-A



SIDE VIEW



FRONT VIEW



SIDE VIEW

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5601 WINDHOVER DRIVE
ORLANDO, FLORIDA. 32819

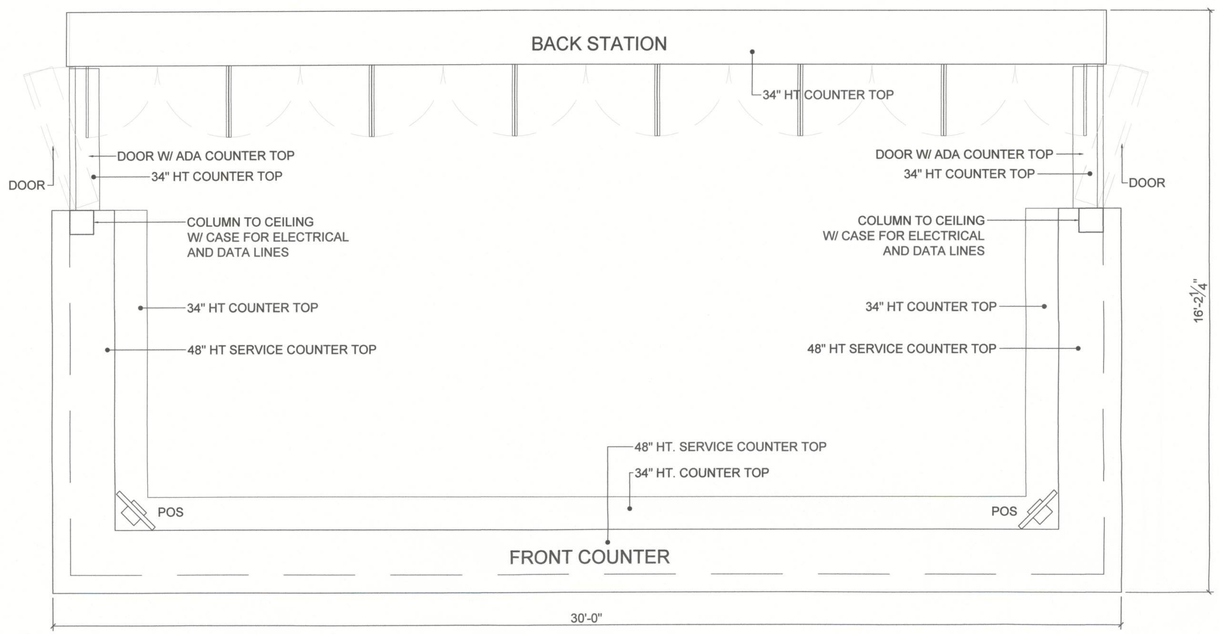
DATE: 12.06.2013

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

SHEET TITLE
FRONT COUNTER

SHEET NUMBER
A6.0

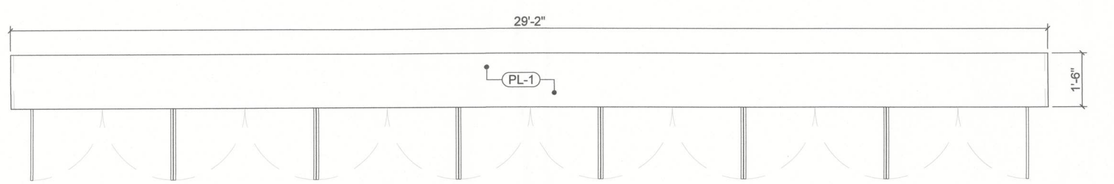
LAYOUT



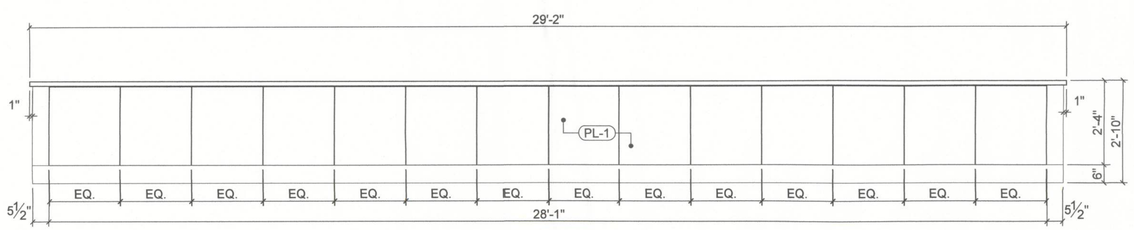
FINISH LEGEND	
PL-1	MAHOGANY LAMINATE

REVISIONS

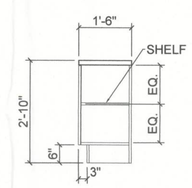
BACK STATION



PLAN VIEW



FRONT VIEW



SIDE VIEW

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5601 WINDHOVER DRIVE
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DATE: 12.06.2013

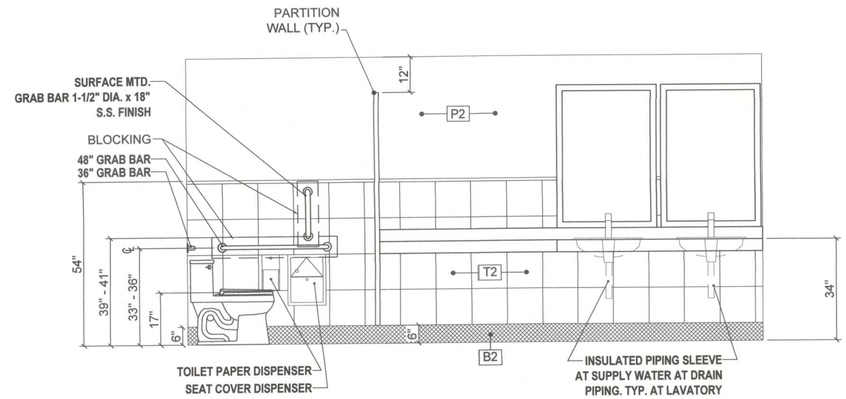
SCALE: 1/2" = 1'-0"

SHEET TITLE

BACK STATION
AND LAYOUT

SHEET NUMBER

A6.1



1 ELEVATION

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

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5601 WINDHOVER DRIVE
ORLANDO, FLORIDA 32819

DATE: 12.06.2013

SCALE: AS NOTED

SHEET TITLE

ELEVATIONS

SHEET NUMBER

A7.0

ELECTRICAL SPECIFICATIONS

GENERAL

1. ALL WORK PERFORMED AND MATERIALS PROVIDED SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL OTHER APPLICABLE STANDARDS, CODES AND LAWS. THE EDITION OR YEAR-DATE FOR ALL CODES AND STANDARDS SHALL BE THAT CURRENTLY ADOPTED BY THE MUNICIPALITY OR OTHER LOCAL AUTHORITY HAVING JURISDICTION.

2. COORDINATE ALL ELECTRICAL WORK WITH THAT OF OTHER TRADES.

3. INSPECTION: PRIOR TO ALL WORK OF THIS SECTION, CAREFULLY INSPECT THE INSTALLED WORK OF ALL OTHER TRADES AND VERIFY THAT ALL SUCH WORK IS COMPLETE TO THE POINT WHERE THIS INSTALLATION MAY PROPERLY COMMENCE.

4. INTERFERENCE: AVOID INTERFERENCE WITH STRUCTURE AND WITH WORK OF OTHER TRADES, PRESERVING ADEQUATE HEADROOM AND CLEARING ALL DOORS AND PASSAGEWAYS.

5. THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING UTILITIES TO THE BUILDING.

6. BEFORE ORDERING ANY MATERIALS OR EQUIPMENT, THE CONTRACTOR SHALL SUBMIT ENGINEERING DATA FOR ALL MATERIALS AND EQUIPMENT HE PROPOSES TO USE AND FURNISH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING EQUIPMENT DIMENSIONS OF PROPOSED SUBSTITUTE EQUIPMENT AND SHALL BE RESPONSIBLE FOR ITS FITTING IN THE SPACES ALLOWED. THE COST OF ANY REDESIGNING CAUSED BY A SUBSTITUTION SHALL BE BORNE BY THE CONTRACTOR.

7. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE UL LISTED. ALL MATERIALS AND EQUIPMENT SHALL BE NEW, NON-SECONDARY MARKET PRODUCTS. ANY EQUIPMENT RECONDITIONED AND/OR RE-PACKAGED WITHOUT FACTORY AUTHORIZATION IS UNACCEPTABLE.

8. THIS CONTRACTOR SHALL DO ALL CUTTING, DRILLING AND PATCHING REQUIRED BY HIS WORK. ALL REPAIRS TO FINISH SHALL MATCH THE EXISTING, LEAVING NO DISCERNIBLE SCARS. STRUCTURAL MEMBERS SHALL NOT BE CUT UNLESS APPROVED BY THE ARCHITECT.

9. THE CONTRACTOR SHALL PROVIDE A ONE-YEAR GUARANTEE FOR ITEMS FURNISHED THAT SHALL COVER:
A: FAULTY OR INADEQUATE DESIGN BY CONTRACTOR.
B: IMPROPER ASSEMBLY OR ERECTION.
C: DEFECTIVE WORKMANSHIP AND MATERIALS.

10. CONTRACTOR SHALL PROVIDE/INSTALL ALL ELECTRICAL SYSTEMS REQUIRED BY THIS PROJECT. THIS INCLUDES ALL MISCELLANEOUS ITEMS AND ACCESSORIES REQUIRED FOR THE COMPLETE AND CORRECT OPERATION FOR THE ENTIRE SYSTEM, WHETHER OR NOT SUCH ITEMS ARE ILLUSTRATED IN THE PROJECT DOCUMENTS.

11. CONTRACTOR SHALL PROVIDE MATERIALS WITH TRIM WHICH IS SUITABLE FOR THE TYPES OF CEILINGS, WALLS, AND FLOOR FINISHES ACTUALLY INSTALLED. MODEL NUMBERS REFERENCED IN THESE DOCUMENTS ARE NOT INTENDED TO IDENTIFY THE REQUIRED TRIM.

DRAWINGS

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE, BUT SHOW VARIOUS COMPONENTS OF THE SYSTEMS APPROXIMATELY TO SCALE AND ATTEMPT TO INDICATE HOW THEY ARE TO BE INTEGRATED WITH OTHER PARTS OF THE BUILDING. DETERMINE EXACT LOCATIONS BY REVIEW OF EQUIPMENT MANUFACTURERS DATA, BY JOB SITE MEASUREMENTS, BY CHECKING THE REQUIREMENTS OF OTHER TRADES, AND BY REVIEWING ALL CONTRACT DOCUMENTS. THE SIZE OF ELECTRICAL EQUIPMENT INDICATED ON THE DRAWINGS MAY BE BASED ON THE DIMENSIONS OF A PARTICULAR MANUFACTURER. WHILE OTHER LISTED MANUFACTURERS MAY BE ACCEPTABLE IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE IF THE EQUIPMENT THAT CONTRACTOR PROPOSES TO FURNISH WILL FIT IN THE SPACE.

2. THE DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS OF CONDUIT, WIRE, OR TO INDICATE ALL WIRE TERMINATORS, CONNECTORS, CONDUIT FITTINGS, BOXES, OR SUPPORTS, BUT RATHER TO INDICATE DISTRIBUTION, CIRCUITRY, AND CONTROL.

3. THE VARIOUS PHASES OF WORK. THE WORK SHALL BE LAID OUT SO THAT IT WILL BE CONCEALED IN FURRED CHASES AND SUSPENDED CEILINGS, ETC., IN FINISHED PORTIONS OF THE BUILDING, UNLESS SPECIFICALLY NOTED TO BE EXPOSED. WORK SHALL BE INSTALLED TO AVOID CRIPPLING OF STRUCTURAL MEMBERS. ALL EXPOSED WORK SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO THE LINES OF THE BUILDING UNLESS OTHERWISE NOTED.

4. WHEN THE PLUMBING AND ELECTRICAL DRAWINGS DO NOT GIVE EXACT DETAILS AS THE THE ELEVATION OF PIPE, CONDUIT AND DUCTS, PHYSICALLY ARRANGE THE SYSTEMS TO FIT IN THE SPACE AVAILABLE. SPACES SHALL BE PRIORITIZED AS REQUIRED TO ALLOW FOR PROPER GRADES OF THE SYSTEMS INVOLVED.

GROUNDING

1. PROVIDE A COMPLETE EQUIPMENT SAFETY GROUND SYSTEM (GREEN WIRE GROUND) FOR THE ENTIRE ELECTRICAL SYSTEM AS REQUIRED BY ARTICLE 250 OF THE NEC, AND AS SPECIFIED HEREIN.

2. ALL GROUNDING WIRE, LUGS, JUMPERS AND BUS SHALL BE COPPER.

3. ALL FEEDER AND BRANCH CIRCUITS SHALL CONTAIN AN EQUIPMENT GROUND WIRE. NO METAL CONDUIT OF ANY KIND OR LENGTH SHALL BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR.

4. EQUIPMENT GROUNDING CONDUCTORS AND STRAPS SHALL BE SIZED IN ACCORDANCE WITH NEC. REFER TO FEEDER SCHEDULES FOR GROUND WIRE REQUIREMENTS WHICH MAY BE EXCEED THE NEC. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE PROVIDED WITH GREEN INSULATION EQUIVALENT TO THE INSULATION ON THE ASSOCIATED PHASE CONDUCTORS.

5. THE EQUIPMENT GROUNDING SYSTEM SHALL BE INSTALLED SO THAT ALL METALLIC STRUCTURES, ENCLOSURES, RACEWAYS, JUNCTION BOXES, OUTLET BOXES, CABINETS, MACHINE FRAMES AND PORTABLE EQUIPMENT FRAMES OPERATE CONTINUOUSLY AT GROUND POTENTIAL AND PROVIDE A LOW IMPEDANCE PATH FOR GROUND FAULT CURRENTS. THE SYSTEM SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE.

6. GROUNDING CONDUCTORS SHALL BE CONTINUOUS AND NO SPLICING SHALL BE ALLOWED.

WIRE AND CABLE

1. ALL WIRE SHALL BE COPPER WITH INSULATED RATED AT 600 VOLTS, 75 DEGREES CELSIUS MINIMUM.

2. MINIMUM WIRE SIZES SHALL BE #12 FOR POWER WIRING.

3. WIRE SHALL BE SOLID TYPE OR THHN/THWN UP TO SIZE 10 AWG AND STRANDED TYPE THWN OR XHHW FOR SIZE 8 AWG AND LARGER (UNLESS OTHERWISE NOTED).

4. MOLDED CONNECTORS (WIRE NUTS) MAY BE USED FOR SPLICING SIZE 10 AWG OR SMALLER WIRES ON LIGHTING AND RECEPTACLE CIRCUITS ONLY. ALL OTHER WIRING SHALL BE SPLICED ONLY WITH LUGS AND/OR TERMINAL BLOCKS.

5. TERMINAL LUGS SHALL BE MECHANICAL CLAMP OR COMPRESSION TYPE UNLESS PART OF A CIRCUIT BREAKER OR SWITCH ASSEMBLY. SET SCREW TYPE LUGS IN WHICH THE SET SCREW BEARS DIRECTLY ON THE CONDUCTOR SHALL NOT BE USED.

6. SPECIAL LUGS MAY BE REQUIRED TO ACCOMMODATE CONDUCTOR SIZES SHOWN ON THE DRAWINGS. CONTRACTOR SHALL VERIFY LUG REQUIREMENTS FOR ALL CIRCUIT BREAKERS AND EQUIPMENT TERMINALS AND SHALL PROVIDE CORRECT LUGS AS REQUIRED.

7. UNDER NO CIRCUMSTANCES SHALL FEEDERS BE SPLICED.

8. COLOR CODE THE ENTIRE POWER WIRING SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, AND ALL STATE AND LOCAL CODES.

9. PROVIDE A COMPLETE CONTROL WIRING SYSTEM FOR ALL ELECTRICAL EQUIPMENT AND APPLIANCES, INCLUDING ALL OWNER-FURNISHED EQUIPMENT. EQUIPMENT FURNISHED UNDER OTHER DIVISIONS (MECHANICAL EQUIPMENT, ETC.) SHALL BE PROPERLY INSTALLED WITH ELECTRICAL CIRCUITS AND CONNECTIONS, DISCONNECTS, STARTERS, OPERATOR CONTROL PUSH-BUTTONS, ALARMS, ETC. AS SPECIFIED FOR EACH TYPE OF ITEM.

10. SMOKE CONTROL DAMPERS: PROVIDE FIRE ALARM MONITORED RELAYS AND SUPERVISED SIGNAL AND POWER WIRING TO PROVIDE SIGNAL OF FIRE ALARM CONDITION TO SMOKE CONTROL DAMPERS.

11. ALL SWITCHES FOR CONTROLS, SIGNALS, PILOTS, REMOTE TRIP OPERATORS, RAISE/LOWER SWITCHES, REMOTE START/STOP MOTOR CONTROL STATIONS, AND ANY OTHER DEVICES THAT ARE REQUIRED BY THE SYSTEM SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.

12. CONTRACTOR IS RESPONSIBLE FOR INTERCONNECTION AND PROGRAMMING OF ALL CONTACTORS, TIME SWITCHES, AND PHOTOELECTRIC CONTROL SYSTEMS.

13. GROUNDING CONDUCTORS: ALL GROUNDING ELECTRODE CONDUCTORS AND EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED COPPER (AS SPECIFIED ABOVE) UNLESS INDICATED OTHERWISE.

14. BRANCH CIRCUITS MAY BE GROUPED IN SINGLE RACEWAYS AND SHARE A COMMON NEUTRAL PROVIDED THE FOLLOWING GUIDELINES ARE MET AND/OR UNLESS THE DRAWINGS INDICATE OTHERWISE.

A. DEDICATED CIRCUITS: PROVIDE A NEUTRAL PER PHASE CONDUCTOR FOR ALL DEDICATED CIRCUITS. PROVIDE DEDICATED HOMERUN RACEWAY FOR EACH DEDICATED CIRCUIT WHEN INDICATED ON DRAWINGS.

B. THREE PHASE, FOUR WIRE, WYE SYSTEMS: PROVIDED A NEUTRAL CONDUCTOR FOR EACH GROUP OF TWO OR THREE SEQUENCE PHASED LINE CONDUCTORS.

C. SINGLE PHASE, THREE WIRE SYSTEMS: PROVIDE A NEUTRAL CONDUCTOR FOR EACH GROUP OF TWO SEQUENCED LINE CONDUCTORS.

15. ALL WIRE SIZES ON DRAWINGS REPRESENT COPPER WIRE UNLESS INDICATED TO BE ALUMINUM BY THE ABBREVIATION "AL" ON THE DRAWINGS.

16. ALUMINUM OPTION: FOR COPPER CONDUCTORS AWG #1/0 AND LARGER, AND "AL" IS NOT INDICATED ON DRAWINGS, ALUMINUM MAY BE PROVIDED AT THE REQUEST OF THE OWNER IF:
A. THE SIZE OF THE FEEDER AND CONDUIT IS INCREASED TO PROVIDE A NEC-ACCEPTABLE INSTALLATION OF EQUAL (OR GREATER) AMPACITY AND EQUAL (OR LESS) VOLTAGE DROP TO THE COPPER SIZES SHOWN, AND
B. ALUMINUM GROUNDING CONDUCTORS SHALL BE SIZED PER NEC TABLE 250-95, AND
C. ALUMINUM WIRE SHALL NOT BE TERMINATED AT FIRE PUMPS, GENERATORS, MECHANICAL EQUIPMENT, MOTOR CONTROLLERS OR TERMINALS OF CONTROL CIRCUIT DEVICES UNLESS APPROVED IN WRITTEN INSTALLATION INSTRUCTIONS BY THAT EQUIPMENT MANUFACTURER, AND
D. ALL LUGS SHALL BE PROPER UL-LISTED DUAL-RATED COPPER-ALUMINUM LUGS.
E. ALUMINUM CONDUCTORS SHALL BE ALUMINUM ASSOCIATION 8000 SERIES ELECTRICAL-GRADE ALUMINUM ALLOY.
F. ALUMINUM CONDUCTORS SHALL HAVE COMPACT STRANDING AS DEFINED IN NEC CHAPTER NINE TABLES 5A AND 5B.

17. METAL-CLAD CABLE AND ARMORED CABLE (KNOWN BY TRADENAME BX) SHALL BE ALLOWED AT OWNERS APPROVAL.

BOXES

1. PROVIDE OUTLET BOXES FOR ALL SWITCHES, FIXTURES, RECEPTACLES AND ALL OTHER OUTLET DEVICES.

2. JUNCTION AND PULL BOXES SHALL HAVE SCREW-ON COVERS OR LOCKING HINGED COVERS. NEMA 1 BOXES SHALL BE USED INDOORS. NEMA 3R BOXES WITH THREADED HUBS SHALL BE USED OUTDOORS.

3. BOXES SHALL BE SIZED IN ACCORDANCE WITH NEC ARTICLE 370.

4. INTERIOR BOXES SHALL BE ONE PIECE, GALVANIZED STEEL CONSTRUCTION, SUITABLE/LISTED FOR INTENDED USE. PROVIDE PLASTER-RINGS WHERE REQUIRED. INSTALL "GANGED" BOXES WHERE DEVICES ARE INDICATED TO BE GROUPED.

5. EXTERIOR BOXES SHALL BE ONE PIECE PVC "UV PROTECTED".

6. ALL CONDUIT CONNECTORS AND ENTRY HUBS SHALL BE INSULATED OR HAVE INSULATED BUSHINGS.

RACEWAY

1. MINIMUM CONDUIT SIZES SHALL BE 1/2".

2. LOCATIONS OF CONDUITS SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL AND STATE REGULATIONS.

3. PROVIDE COMPLETE RACEWAY SYSTEMS FOR ALL WIRING UNLESS OTHERWISE NOTED. THIS INCLUDES FEEDERS, BRANCH CIRCUITS, CONTROL WIRING, AND SYSTEMS WIRING.

4. ALL CONDUIT BENDS SHALL BE MADE WITH AN APPROVED CONDUIT BENDER AND NO BEND SHALL HAVE A CENTERLINE RADIUS LESS THAN SIX TIMES THE DIAMETER OF THE CONDUIT.

5. TRANSITIONS FROM CONCRETE ENCASEMENT: WHERE PVC CONDUIT IS USED FOR RUNS UNDERGROUND OR IN SLABS, AS OUTLINED HEREIN, A CONVERSION TO RIGID STEEL "ELL" SHALL BE USED TO EXIT EARTH OR ENCASEMENT. PROVIDE SWEEPING ELBOWS WITH LARGEST POSSIBLE RADIUS FOR ALL CHANGES OF DIRECTION.

6. PROVIDE AN INSULATED-THROAT METALLIC OR ALL-PLASTIC BUSHING ON ALL EMT, IMC, AND RIGID METALLIC RACEWAY STUBS AND TERMINATION IN PANELS, SWITCHBOARDS, CABINETS, PULL BOXES, JUNCTIONS BOXES, GUTTERS, AND OTHER ENCLOSURES.

7. CEILING GRID SHALL NOT SUPPORT ANY CABLE OR RACEWAY.

WIRING DEVICES

1. PROVIDE A COMPLETE SYSTEM OF WIRING DEVICES PROPERLY WIRED, INCLUDING A SOLID GROUNDING CONNECTION.

2. UNDERWRITERS LABORATORIES: PROVIDE WIRING DEVICES WHICH ARE LISTED AND LABELED BY UL.

3. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION: WIRING DEVICES SHALL COMPLY WITH APPLICABLE NEMA STANDARDS.

4. DEVICE COLOR: WHITE UNLESS OTHERWISE NOTED.

5. ACCEPTABLE: THE FOLLOWING MANUFACTURERS WILL BE ACCEPTABLE PROVIDING THEY MEET THE PROJECT SPECIFICATIONS: COPPER WIRING DEVICES, ARROW-HART, HUBBELL, LEVITON, LUTRON, WOODHEAD INDUSTRIES.

6. STANDARD CONVENIENCE OUTLET: 20A/125V/2 POLE/3 WIRE DUPLEX NEMA 5-20R. DUPLEX RECEPTACLE. RECEPTACLE FACE SHALL BE HIGH-IMPACT RESISTANT. NYLON BODY SHALL BE THERMOPLASTIC POLYESTER. MOUNTING STRAP SHALL WARP COMPLETELY AROUND RECEPTACLE BODY AND HAVE INTEGRAL , RIVETLESS GROUNDING CONTACTS. THE RECEPTACLE GROUNDING CONTACTS ARE FORMED DIRECTLY OUT OF THE BACKSTRAP METAL. THEY SHALL NOT BE SEPARATED PIECES AFFIXED TO THE BACKSTRAP.

7. GROUND FAULT CIRCUIT INTERRUPTERS: PROVIDE U.L LISTED GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLES FOR PERSONNEL PROTECTION, WHICH OTHERWISE MEET THIS SPECIFICATION, WHERE REQUIRED.

8. WALL SWITCHES: 20A-120-277V AC CONTACTS. TOGGLE TYPE, QUIET ACTION WITH SEPARATED SCREW TERM FOR THE GROUND WIRE. SCREWLESS PUSH-IN WIRING TERM SHALL NOT BE USED. PROVIDE SINGLE POLE, SINGLE THROW, UNLESS DRAWINGS INDICATE 3-WAY, 4-WAY, DOUBLE POLE, KEY OPERATED, SPDT MOMENTARY, OR ANY OTHER SPECIAL FEATURES.

9. SWITCHES FOR SPECIAL PURPOSE: SPECIAL SWITCHES USED FOR DISCONNECTION PURPOSES (SMALL APPLIANCES, ETC.) SHALL BE RATED AS SPECIFIED OR REQUIRED.

10. PROVIDE WALL PLATES FOR ALL DEVICES. PROVIDE ONE-PIECE MULTI-GANG PLATES WHERE ADJACENTLY LOCATED OUTLET ASSEMBLIES OCCUR.

ENCLOSED SWITCHES

1. PROVIDE STANDARD DUTY TYPE ENCLOSED SWITCHES, SQUARE D, OR EQUIVALENT. SWITCHES SHALL HAVE EXTERNALLY OPERATED HANDLES WITH PROVISIONS FOR PAD LOCKING IN THE OFF OR ON POSITION. PROVIDE NEMA 3R OR 4X STAINLESS STEEL UNITS AS INDICATED ON THE DRAWINGS.

2. WHERE REQUIRED: PROVIDE ALL ENCLOSED DISCONNECT SWITCHES INDICATED ON THE DRAWINGS. WHERE A CIRCUIT SERVES A MOTOR, MOTOR CONTROLLER, FIXED ELECTRIC SPACE HEATING UNIT, OR APPLIANCE AND A LOCAL DISCONNECT SWITCH IS NOT INDICATED ON THE DRAWINGS, PROVIDE A LOCAL DISCONNECT UNLESS ONE OF THE NEC EXCEPTIONS PERTAIN.

EQUIPMENT

1. THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL EQUIPMENT SHOWN ON THE DRAWINGS. ALL MANUFACTURER'S SPECIFICATIONS SHALL BE FOLLOWED IN REGARDS TO THE INSTALLATION OF ALL EQUIPMENT. ANY SPECIAL MANUFACTURER'S REQUIREMENTS NECESSARY FOR PROPER OR SAFE INSTALLATION OF EQUIPMENT REGARDLESS OF WHETHER THE AFOREMENTIONED SPECIAL REQUIREMENTS ARE INDICATED ON THE DRAWINGS, SHALL BE AT THE EXPENSE AND RESPONSIBILITY OF THE CONTRACTOR.

2. THE DIVISION 16 INSTALLER IS RESPONSIBLE FOR THE PURCHASE (OTHER THAN OWNER SUPPLIED EQUIPMENT), RIGGING, ERECTION, INSTALLATION AND FUNCTIONAL OPERATION OF ALL ELECTRICAL EQUIPMENT EXCEPT WHERE NOTED.

3. ALL LOCATIONS OF EQUIPMENT AND FIXTURES ARE APPROXIMATE AND MAY REQUIRE MINOR ADJUSTMENT TO SUIT FIELD CONDITIONS. ALL ADJUSTMENTS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

IDENTIFICATIONS

1. COMPLY WITH GOVERNING REGULATIONS AND REQUESTS OF GOVERNING AUTHORITIES FOR IDENTIFICATION OF ELECTRICAL WORK.

2. PROVIDE NAMEPLATES/LABELS FOR ITEMS WHERE INDICATED AND/OR DESCRIBED IN THESE SPECIFICATIONS.

3. ALL ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE LABELED.

4. LABELS SHALL BE ENGRAVED PHENOLIC TAGS WITH MINIMUM .5" TEXT HEIGHT. DYMO (OR EQUIVALENT) LABELS SHALL NOT BE USED.

5. COLOR CODE: ALL POWER EQUIPMENT- BLUE FIELD WITH WHITE LETTERS.

6. TAGS SHALL BE PERMANENTLY AFFIXED WITH SCREWS, ADHESIVES ARE NOT ACCEPTABLE.

7. ALL POWER RECEPTACLES SHALL HAVE CIRCUIT ID LABEL. THIS LABEL SHALL BE A CLEAR LAMINATED MYLAR TYPE TAPE, WITH .25" BLACK LETTERING, LABEL SHALL BE APPLIED HORIZONTAL POSITION ON THE TOP OF RECEPTACLE FACEPLATE.

PANEL BOARDS

1. PANEL BOARDS ARE EXISTING.

2. ANY NEW BRANCH CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE AND SHALL BE OF THE AMBIENT COMPENSATED, THERMAL MAGNETIC TYPE, WHICH WILL PROVIDE INVERSE TIME DELAY OVERLOAD AND INSTANTANEOUS SHORT CIRCUIT PROTECTION. VOLTAGE AND CURRENT RATINGS SHALL BE AS INDICATED ON THE DRAWINGS. NEW DEVICES SHALL BE SAME MANUFACTURER AS THE PANEL BOARD.

3. PROVIDE NEW TYPEWRITTEN DIRECTORY FOR EACH PANEL THAT HAS BEEN MODIFIED, PLACED INSIDE THE PANEL DOOR. DIRECTORIES SHALL BE INSTALLED IN A METAL DIRECTORY FRAME WITH CLEAR PROTECTIVE COVER. SPARES AND SPACES SHALL BE NOTED.

4. CIRCUIT BREAKERS SHALL BE MANUFACTURED BY THE MANUFACTURER OF THE PANEL BOARDS. THERE SHALL BE NO EXCEPTION TO THIS.

DEVICE LOCATIONS

1. UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR OTHERWISE INSTRUCTED BY THE ARCHITECT, ELECTRICAL OUTLETS SHALL HAVE THE FOLLOWING MOUNTING HEIGHTS. DIMENSIONS ARE TO CENTER OF BOX UNLESS OTHERWISE NOTED:

WALL SWITCHES	*
WALL CONVENIENCE RECEPTACLES	16" AFF TO BOTTOM OF BOX
WALL TELEPHONE OUTLETS	16" AFF TO BOTTOM OF BOX
WALL OUTLETS FOR WALL MTD. TELEPHONE	*
MANUAL FIRE ALARM PULL STATIONS	*
FIRE ALARM SPEAKER/HORN	1'-0" BELOW CEILING, OR IN CEILING, AS REQUIRED
INTERIOR BELLS, BUZZERS, HORNS	1'-0" BELOW CEILING, OR IN CEILING, AS REQUIRED
SPECIAL PURPOSE WALL OUTLETS	16" AFF TO BOTTOM OF BOX (OR HIGHER AS REQUIRED TO SERVE EQUIPMENT)
PUSH BUTTONS	*
ADA VISUAL ALARM	80" AFF TO BOTTOM OF LENS OR 6" BELOW CEILING, WHICHEVER IS LOWER. ENTIRE LENS TO BE WITHIN 80" TO 96" AFF

* TOP OF BOX SHALL BE 48" AFF MAX. FOR WHEELCHAIR FRONTAL APPROACH AND 54" AFF MAX. FOR SIDE APPROACH. VERIFY EXACT HEIGHT WITH ARCHITECT.

AFF = ABOVE FINISHED FLOOR
AFG = ABOVE FINISHED GRADE

2. UNLESS SPECIFICALLY INDICATED ON THE ELECTRICAL DRAWINGS, OUTLETS LOCATED AT COUNTERS AND CABINETS SHALL BE MOUNTED AS SHOWN ON ARCHITECTURAL DETAILS AND ELEVATIONS, OR AS DIRECTED BY ARCHITECT.

3. COORDINATE MOUNTING HEIGHTS AND DETAILS OF ALL OUTLETS (POWER, SIGNAL, ETC.) WITH ARCHITECTURAL CASEWORK DRAWINGS PRIOR TO DIVISION 16 ROUGH-IN. OBTAIN APPROVAL FROM ARCHITECT BEFORE ELECTRICAL ROUGH-IN WHEN CONFLICTS ARISE.

BASIS OF DRAWINGS

THESE ELECTRICAL DRAWINGS HAVE BEEN PREPARED BASED UPON AS-BUILT INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ENGINEER CANNOT ASSURE ITS ACCURACY. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

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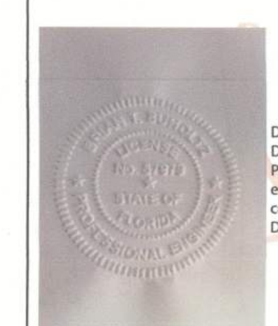

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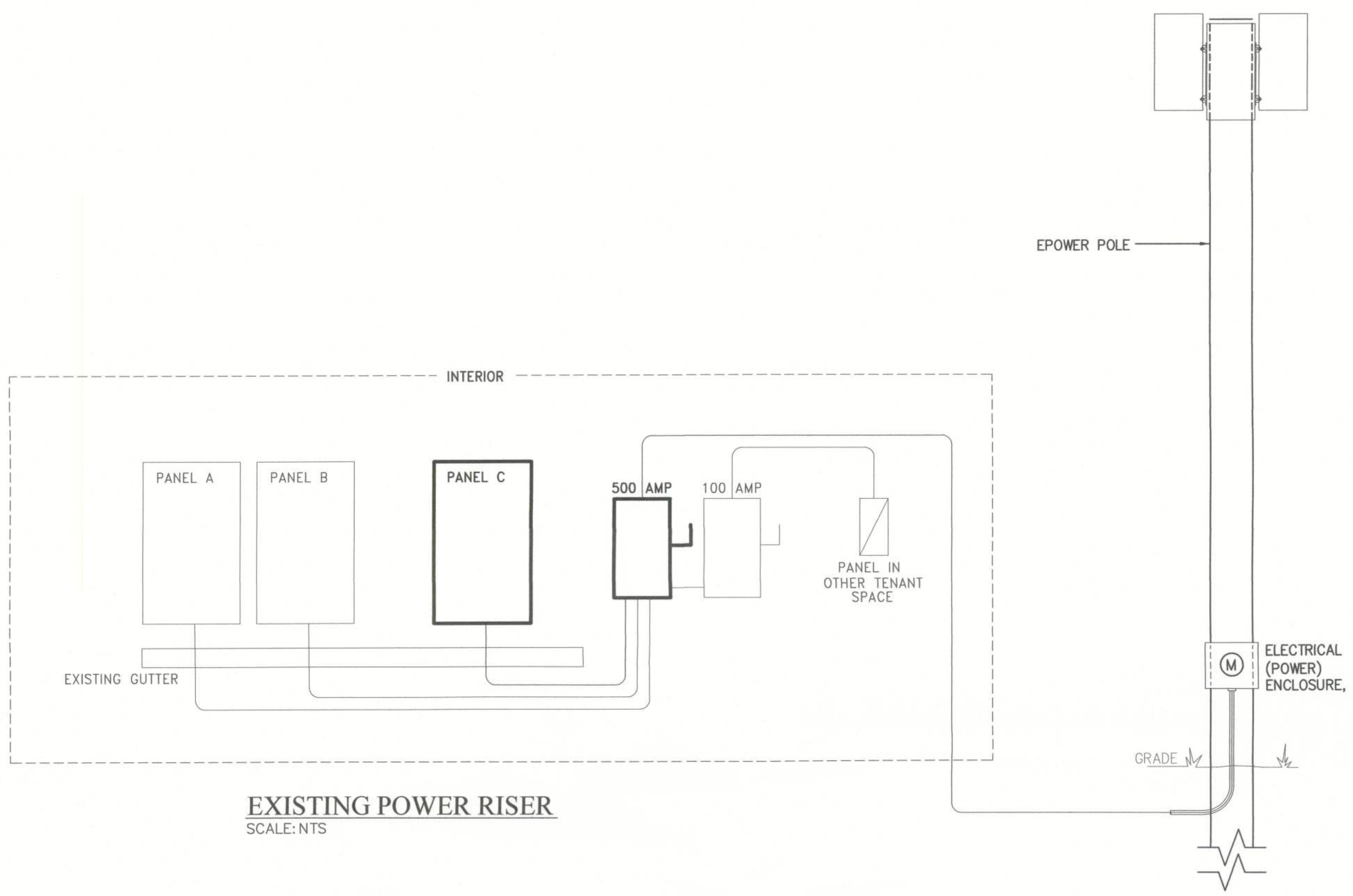
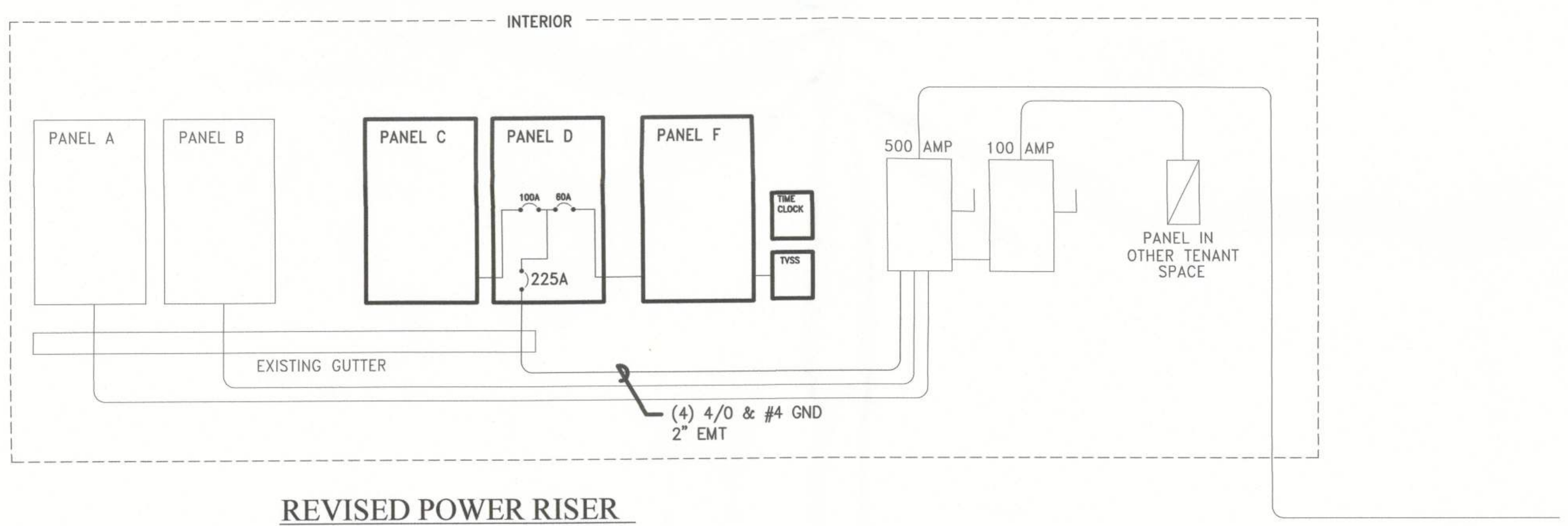
SHEET TITLE
ELECTRICAL-SPECIFICATIONS

SHEET NUMBER
E0.01



EXISTING POWER RISER

SCALE: NTS



REVISED POWER RISER

SCALE: NTS

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SHEET TITLE

ELECTRICAL- PARTIAL FLOOR PLAN

SHEET NUMBER

E0.02

GENERAL NOTES

1. REFERENCE SPECIFICATIONS FOR ADDITIONAL MATERIALS, EQUIPMENT AND INSTALLATION REQUIREMENTS.
2. REFERENCE LIGHTING FLOOR PLAN FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
3. REFERENCE ELECTRICAL PANEL SCHEDULES AND ELECTRICAL RISER DIAGRAM FOR EQUIPMENT BRANCH/FEEDER CIRCUIT CONDUCTOR AND CONDUIT SIZE REQUIREMENTS.
4. CONTRACTOR SHALL INVESTIGATE AND TEST EXISTING CIRCUITS AND REPLACE EXISTING CONDUCTORS/BREAKERS AS NECESSARY.
5. CONTRACTOR SHALL COORDINATE WITH LOCAL TELEPHONE COMPANY RELOCATION OF DEMARCATION AND OWNER'S REQUIREMENTS RELATED TO NEW SERVICE.
6. CONTRACTOR SHALL TEST EXTERIOR SIGN CIRCUIT AND REPLACE CONDUCTORS IF NECESSARY. SIGN SHALL BE CONTROLLER BY LOCAL TIME CLOCK.

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE AT 18" A.F.F., U.O.N.
	DUPLEX RECEPTACLE 6" ABOVE CASE/MILLWORK
CLG	DUPLEX RECEPTACLE MOUNTED IN CEILING
GFCI	DUPLEX RECEPTACLE GROUND FAULT CIRCUIT TYPE
	ELECTRICAL PANELBOARD
	SIMPLEX RECEPTACLE FOR REFRIDGERATOR
D2	(2) RJ45/CAT5E UTP JHOOK CEILING - IN WALL 3/4" EMT

PANEL "D"

NEMA 1 SURFACE

VOLTAGE 208Y/120 PHASE 3 PH. 4W MCB 225 AMP

MGF SQUARE-D CAT. NO. NQOD W/ BOLT-ON BRKS A.I.C 22K

EQUIPMENT	CKT BRKR POLE/TRIP	WIRE	CON DIA	KVA / PHASE A	B	C	CKT NO.	CKT NO.	KVA / PHASE A	B	C	CON DIA	WIRE	CKT BRKR POLE/TRIP	EQUIPMENT
TRAINING RM RECP	1-20	12	-	.9			1	2	1.8			-	12	1-20	IDF RECP
BREAK RM RECP	1-20	12	-		1.9		3	4		-		-	-	-	SPACE
BREAK RM RECP	1-20	12	-			1.5	5	6			-	-	-	-	"
MAIN RM RECP	1-30	12	-	1.4			7	8	-			-	-	-	"
* SHOW WINDOW RECP	1-20	12	-		1.3		9	10		-		-	-	-	"
SPARE	1-20	-	-			-	11	12			-	-	-	-	"
SPARE	1-20	-	-	-			13	14	-			-	-	-	"
SPARE	1-20	-	-		-		15	16		-		-	-	-	"
SPARE	1-20	-	-			-	17	18			-	-	-	-	"
SPACE	-	-	-	-			19	20	-			-	-	-	"
"	-	-	-		-		21	22		-		-	-	-	"
"	-	-	-			-	23	24			-	-	-	-	"
"	-	-	-	-			25	26	5.8						
"	-	-	-		-		27	28		5.8		1 1/4	4	3-60	PANEL F
"	-	-	-			-	29	30			5.8				
"	-	-	-	-			31	32	9.6						
"	-	-	-		-		33	34		9.6		1 1/4	2	3-100	PANEL C
"	-	-	-			-	35	36			9.6				
"	-	-	-	-			37	38	-						
"	-	-	-		-		39	40		-		3/4	10	3-30	TVSS
"	-	-	-			-	41	42			-				

TOTAL CONNECTED KVA A 19.5 B 18.6 C 16.9

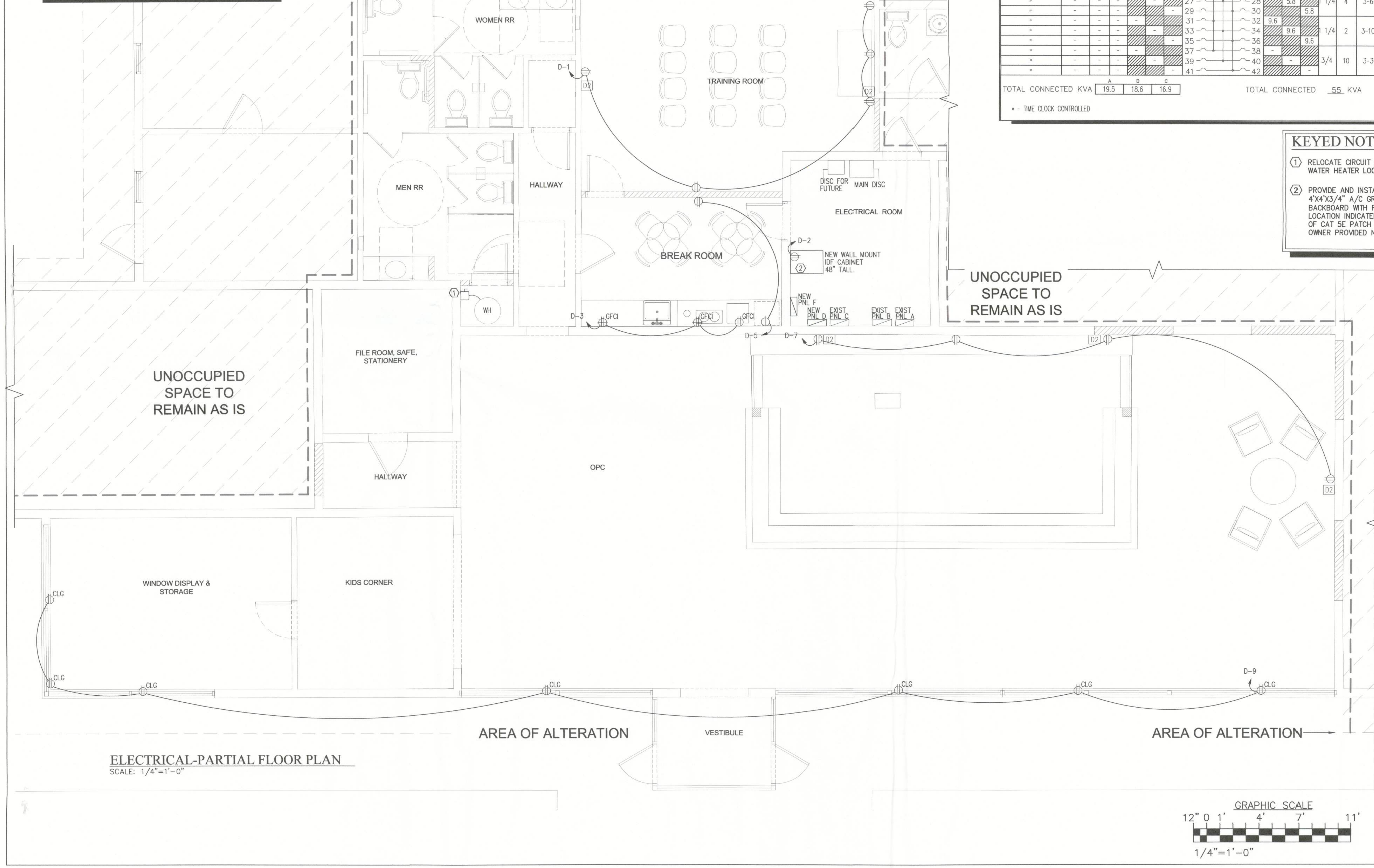
TOTAL CONNECTED 55 KVA 152 AMPS

* - TIME CLOCK CONTROLLED

KEYED NOTES

(1) RELOCATE CIRCUIT FOR WATER HEATER OVER TO NEW WATER HEATER LOCATION. PROVIDE NEW DISCONNECT.

(2) PROVIDE AND INSTALL NEW WALL MOUNT CABINET AND 4'X4'X3/4" A/C GRADE FIRE RETARDANT PLYWOOD BACKBOARD WITH RELATED COPPER GROUND BAR AT LOCATION INDICATED. CABINET WILL SUPPORT TERMINATION OF CAT 5E PATCH PANELS, OWNER PROVIDED UPS, AND OWNER PROVIDED NETWORK SWITCH.



ELECTRICAL-PARTIAL FLOOR PLAN
SCALE: 1/4"=1'-0"

REVISIONS

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SCALE: AS NOTED

SHEET TITLE
ELECTRICAL-PARTIAL FLOOR PLAN

SHEET NUMBER
E1.00

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
$a	SINGLE POLE 20A SWITCH (LOWER-CASE LETTER IDENTIFIES SWITCH LEG)
$3 $4	THREE/FOUR WAY SWITCH
OS	CEILING MOUNTED OCCUPANCY SENSOR SWITCH (STAND ALONE) (REFERENCE DETAILS FOR REQMTS)
TC	ELECTRONIC TIME CLOCK
EM	EMERGENCY WALL PACK, DUAL HEAD EMERGENCY FIXTURE, CEILING OR WALL MOUNTED CIRCUIT TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
EX	WALL MOUNT EXIT SIGN CIRCUIT TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT
A a	2X4 (4-40W LAMP) FLUORESCENT FIXTURE (SELECTION BY OWNER) (LOWER-CASE LETTER IDENTIFIES SWITCH LEG)
B a	2X2 2 LAMP FLUORESCENT FIXTURE (SELECTION BY OWNER) (LOWER-CASE LETTER IDENTIFIES SWITCH LEG)
C	1X4 1 LAMP INDUSTRIAL STRIP
D	WALL PACK 100 WATT METAL HALIDE TIME CLOCK CONTROLLED

KEYED NOTES

1. CONTRACTOR SHALL REPLACE EXISTING FLOOD LIGHTS WITH SAME OR LOWER WATTAGE AND TIE TO EXISTING CIRCUIT CONTROLLED BY TIME CLOCK.
2. CONTRACTOR SHALL REPLACE 7 EXISTING 1X4 WITH SIMILAR RATED FOR THE APPLICATION, RECONNECTED TO EXISTING LIGHTING CIRCUIT AND CONTROLLED VIA TIME CLOCK.

GENERAL NOTES

1. REFERENCE SPECIFICATIONS FOR ADDITIONAL MATERIALS, EQUIPMENT AND INSTALLATION REQUIREMENTS.
2. EMERGENCY AND EXIT LIGHTING FIXTURES SHALL BE POWERED FROM THE UN-SWITCHED LEG OF THE LIGHTING CIRCUIT SERVING THE AREA/ROOM.
3. ALL LIGHTING SHALL REUSE EXISTING LIGHTING CIRCUITS BUT RESWITCHED AS INDICATED.
4. ALL FIXTURES, EXACT INSTALLATION LOCATION, MOUNTING HEIGHT, MOUNTING METHOD, MODEL NUMBER, ETC. SHALL BE COORDINATED WITH ARCHITECT.

PANEL "F"

NEMA 1 SURFACE

VOLTAGE 208Y/120 PHASE 3 PH. 4W MLO 60 AMP

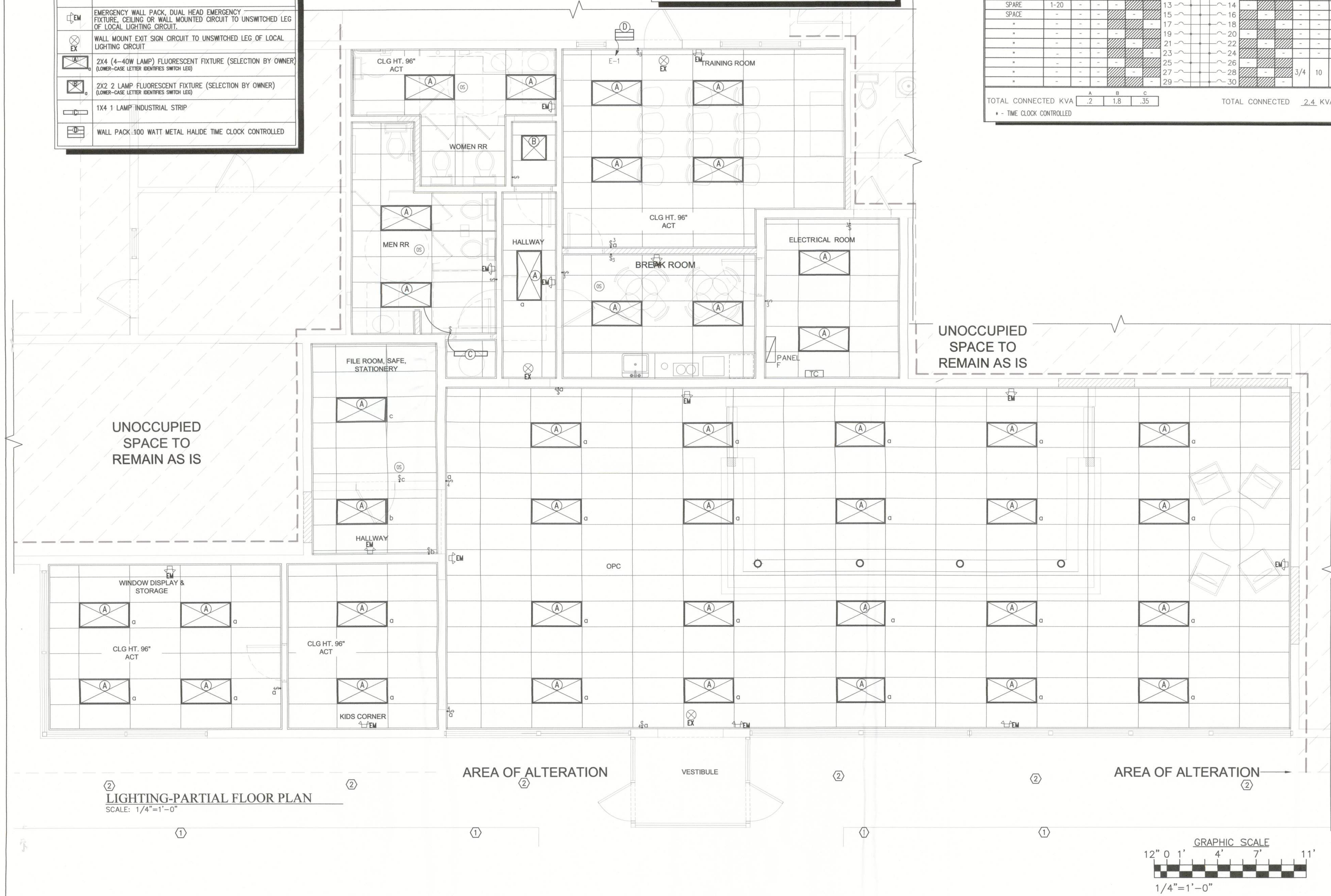
MGF SQUARE-D CAT. NO. NQOD W/ BOLT-ON BRKS A.I.C 22K

	EQUIPMENT	CKT BRKR POLE	CKT BRKR TRIP	WIRE	CON DIA	KVA / PHASE A	KVA / PHASE B	KVA / PHASE C	CKT NO.	CKT NO.	KVA / PHASE A	KVA / PHASE B	KVA / PHASE C	CON DIA	WIRE	CKT BRKR POLE/TRIP	EQUIPMENT
*	REAR WALL PACK	1	20	12	-	.2			1	2	-			-	-	-	SPACE
*	ROOF FLOODS	1	20	12	-		1.8		3	4		-		-	-	-	"
*	CANOPY FLRSC	1	20	12	-			.35	5	6			-	-	-	-	"
	SPARE	1	30	12	-	-			7	8	-			-	-	-	"
	SPARE	1	20	12	-		-		9	10		-		-	-	-	"
	SPARE	1	20	-	-			-	11	12			-	-	-	-	"
	SPARE	1	20	-	-	-			13	14	-			-	-	-	"
	SPACE	-		-	-		-		15	16		-		-	-	-	"
	"	-		-	-			-	17	18			-	-	-	-	"
	"	-		-	-	-			19	20	-			-	-	-	"
	"	-		-	-		-		21	22		-		-	-	-	"
	"	-		-	-			-	23	24			-	-	-	-	"
	"	-		-	-	-			25	26	-			3/4	10	3-30	TVSS
	"	-		-	-		-		27	28		-					
	"	-		-	-			-	29	30			-				

TOTAL CONNECTED KVA A .2 B 1.8 C .35

TOTAL CONNECTED 2.4 KVA 6.5 AMPS

* - TIME CLOCK CONTROLLED



LIGHTING-PARTIAL FLOOR PLAN

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

GRAPHIC SCALE
12" 0 1' 4' 7' 11'
1/4"=1'-0"

REVISIONS

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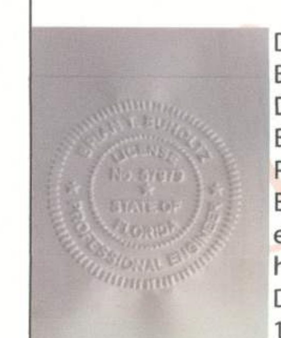

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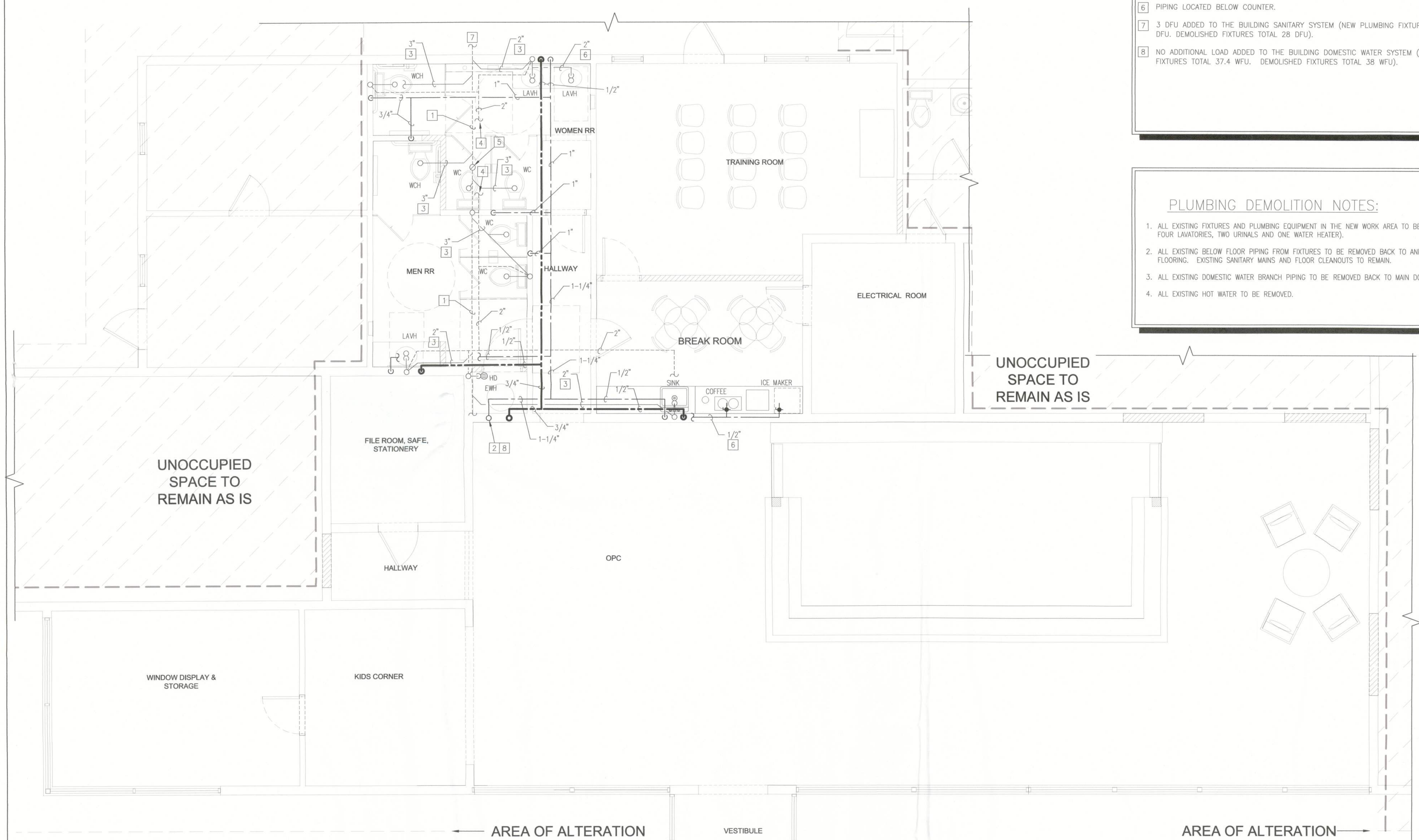
SHEET TITLE: LIGHTING-PARTIAL FLOOR PLAN

SHEET NUMBER: E2.00



PLUMBING-PARTIAL FLOOR PLAN
SCALE: 1/4"=1'-0"

GRAPHIC SCALE
12" 0 1' 4' 7' 11'
1/4"=1'-0"

PLUMBING REFERENCED NOTES

1. EXISTING SANITARY PIPING BELOW SLAB. FIEOLD VERIFY EXACT LOCATION.
2. EXISTING DOMESTIC WATER PIPING. FIELD VERIFY EXACT LOCATION.
3. SAWCUT FLOOR AS REQUIRED TO CONNECT NEW SANITARY PIPING TO EXISTING.
4. EXTEND NEW VENT PIPING TO EXISTING VENT THROUGH ROOF.
5. EXISTING FLOOR CLEANOUT.
6. PIPING LOCATED BELOW COUNTER.
7. 3 DFU ADDED TO THE BUILDING SANITARY SYSTEM (NEW PLUMBING FIXTURES TOTAL TO 31 DFU. DEMOLISHED FIXTURES TOTAL 28 DFU).
8. NO ADDITIONAL LOAD ADDED TO THE BUILDING DOMESTIC WATER SYSTEM (NEW PLUMBING FIXTURES TOTAL 37.4 WFU. DEMOLISHED FIXTURES TOTAL 38 WFU).

PLUMBING DEMOLITION NOTES:

1. ALL EXISTING FIXTURES AND PLUMBING EQUIPMENT IN THE NEW WORK AREA TO BE REMOVED (FOUR WATER CLOSETS, FOUR LAVATORIES, TWO URINALS AND ONE WATER HEATER).
2. ALL EXISTING BELOW FLOOR PIPING FROM FIXTURES TO BE REMOVED BACK TO AND CAPPED BELOW LEVEL OF NEW FLOORING. EXISTING SANITARY MAINS AND FLOOR CLEANOUTS TO REMAIN.
3. ALL EXISTING DOMESTIC WATER BRANCH PIPING TO BE REMOVED BACK TO MAIN DOMESTIC WATER PIPING.
4. ALL EXISTING HOT WATER TO BE REMOVED.

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SHEET TITLE
PLUMBING-PARTIAL FLOOR PLAN

SHEET NUMBER
P1.00

PLUMBING FIXTURES SCHEDULE

MARK	DESCRIPTION	WATER SUPPLY				TRAP	VENT
		BRANCH		FIXTURE			
		COLD	HOT	COLD	HOT		
WC	WATER CLOSET (FLUSH TANK)	3/4"	–	1/2"	–	INTEGRAL	–
WCH	ADA WATER CLOSET (FLUSH TANK)	3/4"	–	1/2"	–	INTEGRAL	–
LAVH	ADA LAVATORY	1/2"	1/2"	–	–	1 1/4"	–

WC: REFER TO ARCHITECTURAL PLANS FOR MAKE AND MODEL.

WCH: REFER TO ARCHITECTURAL PLANS FOR MAKE AND MODEL.

LAVH: REFER TO ARCHITECTURAL PLANS FOR MAKE AND MODEL. PROVIDE FULL ADA INSULATION KIT FOR WATER SUPPLY & P-TRAP.

SINK: REFER TO ARCHITECTURAL PLANS FOR MAKE AND MODEL.

EWH: ELECTRIC WATER HEATER, EQUIVALENT TO LOCHINVAR ETX040KD WITH 208V/3ø, 4500 W ELEMENTS.

PLUMBING FIXTURE NOTES:

1. ALL PLUMBING FIXTURES SHOWN ON PLANS ARE TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR (UNLESS NOTED OTHERWISE). FIXTURES SHALL BE COMPLETE WITH ALL PIPING & CONNECTIONS AND BE READY FOR OPERATION.
2. ALL FIXTURES SHALL BE PROVIDED WITH STOPS, PLACED IN AN ACCESSIBLE LOCATION.
3. THE HEIGHTS OF FIXTURES SHALL BE AS SCHEDULED AND/OR DIRECTED BY A/E PRIOR TO INSTALLATION. HANDICAPPED FIXTURES TO BE MOUNTED AT HEIGHTS ACCEPTABLE TO LOCAL CODES.
4. SUPPORTS SHALL BE PROVIDED BY PLUMBING CONTRACTOR FOR ALL WALL HUNG PLUMBING FIXTURES. COORDINATE INSTALLATION WITH OTHER TRADES.
5. SEAL JOINTS BETWEEN FIXTURES AND WALLS.
6. INSTALL PLUMBING FIXTURES IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. PLUMBING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PLUMBING FIXTURES, SUPPORTS AND ACCESSORIES TO A/E FOR APPROVAL.

DRAIN SCHEDULE

MARK	SELECTION BASED ON		TOP DIM.	OUTLET SIZE PIPE CONN.	TOP MATERIAL	REMARKS
	MAKE	MODEL				
HD	ZURN	#Z-415-S	5" ROUND	2"	NICKEL BRONZE	STRAINER WITH INTEGRAL BASKET

NOTES:

1. ALL FLOOR DRAINS CONNECTED TO THE SANITARY SYSTEM SHALL BE TRAPPED AND EQUIPPED WITH A TRAP GUARD.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL DRAINS & DEVICES TO THE A/E FOR REVIEW AND APPROVAL.

WATER HAMMER ARRESTOR SCHEDULE

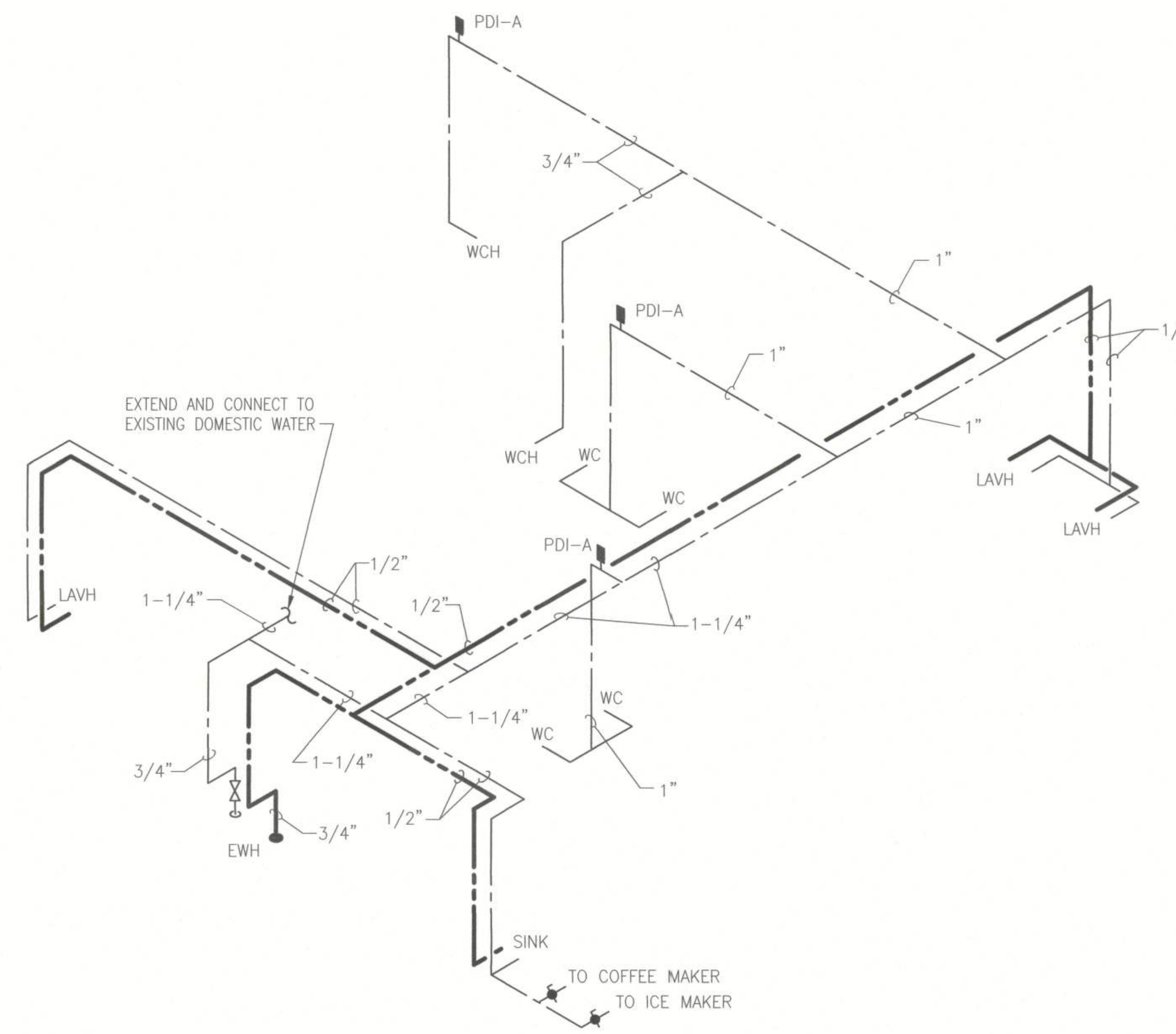
MARK	A	B	C	D	E	F
MAXIMUM FIXTURE UNITS	11	32	60	113	154	330
MAXIMUM PRESSURE RATING	65 PSI					

NOTES:

1. WHEN WORKING WATER PRESSURE EXCEEDS 65 PSI, USE NEXT LARGEST SIZE.
2. MAXIMUM PIPING LENGTH COVERED BY ONE ARRESTOR SHALL BE 20 LINEAR FEET.
3. SIZING AND PLACEMENT SHALL BE IN ACCORDANCE WITH PDI STANDARD PDI-WH 201.
4. FIELD FABRICATED AIR CHAMBERS ARE NOT ACCEPTABLE AS SHOCK ABSORBERS.

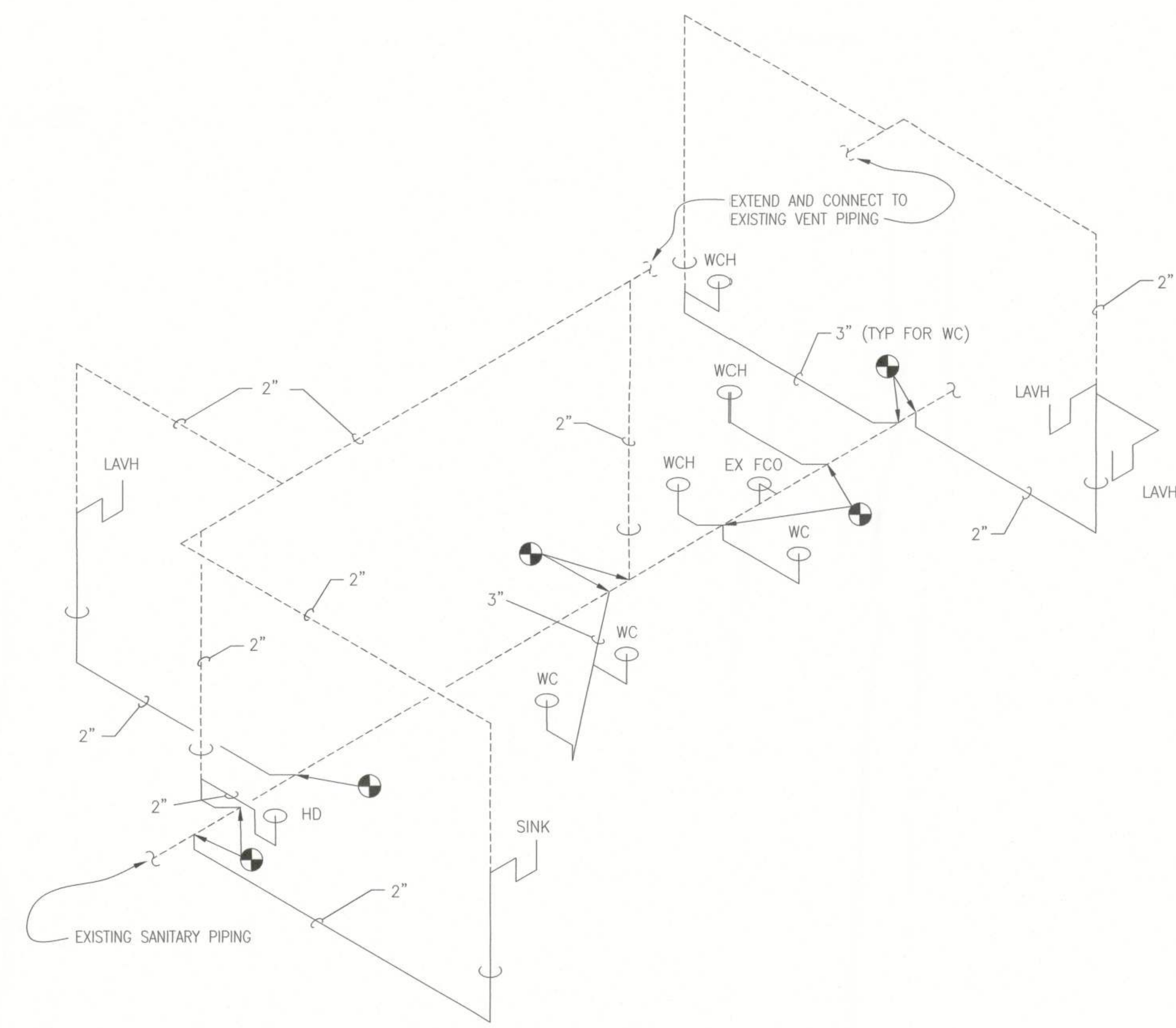
PLUMBING GENERAL NOTES:

1. VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED.
2. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND STANDARDS.
3. PRIME CONTRACTOR IS RESPONSIBLE TO HAVE LICENSED AND QUALIFIED SUBCONTRACTORS PERFORMING ALL WORK.
4. VERIFY EXISTING CONDITIONS IN FIELD AND COORDINATE WITH ALL TRADES PRIOR TO FABRICATING OR INSTALLING EQUIPMENT.
5. ALL WORK SHALL BE CONSTRUCTED TO MEET THE PHASING REQUIREMENTS OF THE PROJECT AS OUTLINED IN THE DRAWINGS AND SPECIFICATIONS, OR AS DICTATED BY THE OWNER AND/OR ARCHITECT.
6. PRIOR TO BID, CHECK LEAD TIMES OF ALL EQUIPMENT IN THE PROJECT. IF NECESSARY TO MEET THE PROJECT SCHEDULE, BID SHALL INCLUDE THE COST TO ACCELERATE DELIVERY OF CRITICAL MATERIALS AND EQUIPMENT. ALLOW TIME FOR NORMAL SHOP DRAWING PREPARATION AND REVIEW.
7. CONTRACTOR SHALL NOT CONCEAL ANY WORK UNTIL INSPECTED BY MECHANICAL INSPECTOR AND ENGINEER. CONTRACTOR SHALL NOTIFY ENGINEER OF A SCHEDULED INSPECTION TIME WITHIN 72 HOURS. GENERAL CONTRACTOR SHALL NOT CONCEAL WORK UNTIL APPROVED, REGARDLESS OF SCHEDULE.
8. ALL CHANGES MADE IN THE FIELD SHALL BE RECORDED BY THE CONTRACTOR(S) ON AS-BUILT DRAWINGS, SHOP DRAWINGS, AND IN MAINTENANCE MANUALS.
9. DRAWINGS ARE DIAGRAMMATIC IN NATURE. COORDINATE EXACT LOCATION OF ALL EQUIPMENT MOUNTED IN CEILING CAVITY SO ALL SERVICEABLE COMPONENTS CAN BE EASILY ACCESSED BY REMOVING CEILING TILES ONLY. REMOVAL OR RELOCATION OF LIGHTING FIXTURES FOR SERVICE ACCESS IS NOT ACCEPTABLE. THE CONTRACTOR SHALL REINSTALL EQUIPMENT THAT HAS INADEQUATE OR UNSAFE ACCESSIBILITY. LOCATE ALL EQUIPMENT WITH MANUFACTURER RECOMMENDED ACCESS FOR OPERATION AND MAINTENANCE.
10. PRIOR TO BID, COORDINATE ALL PLUMBING WORK WITH ELECTRICAL WORK AND OTHER TRADES.
11. WHERE CROWDED LOCATIONS EXIST OR WHERE THERE IS A POSSIBILITY OF CONFLICT BETWEEN TRADES, CONTRACTOR SHALL MAKE COMPOSITE DRAWINGS SHOWING THE EXACT LOCATION OF PIPES, DUCTS, CONDUIT AND EQUIPMENT. DRAWINGS SHALL BE BASED ON FIELD MEASUREMENTS AND, AFTER CONSULTATION AND AGREEMENT BETWEEN THE TRADES, SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION OF THE WORK.
12. NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO PURCHASING EQUIPMENT AND PRIOR TO CUTTING OPENINGS.
13. PROVIDE ACCESS PANELS IN WALLS AND CEILINGS WHERE REQUIRED FOR OPERATION, INSPECTION AND MAINTENANCE OF ALL EQUIPMENT AND VALVES.
14. SLEEVE ALL PIPES PASSING THRU FLOORS, WALLS & DECKS. SLEEVES PASSING THRU FIRE STOPS SHALL BE SEALED & CAULKED.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
16. CONTRACTOR SHALL VERIFY AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALL ON THE SITE.
17. SANITARY PIPING 3" OR SMALLER SHALL BE SLOPED MINIMUM 1/4" PER FOOT, 4" AND LARGER SLOPED 1/8" PER FOOT.
18. VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
19. CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
20. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER ARRESTORS AS SPECIFIED.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
22. ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
23. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
24. CHANGES IN THE DIRECTION OF SANITARY AND STORM DRAIN PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL CAUSE EXCESSIVE REDUCTION IN THE VELOCITY OF FLOW OR CREATE ANY OTHER ADVERSE EFFECT UNLESS PHYSICALLY IMPOSSIBLE (I.E. USE OF SANITARY TEE IN A HORIZONTAL CONNECTION, USE OF A DOUBLE SANITARY TEE IN A VERTICAL STACK, IN GENERAL, USE OF A SHORT-RADIUS FITTINGS FOR BRANCH TO HOUSE DRAIN OR STACK CONNECTION).
25. CONTRACTOR SHALL GIVE 24 HOURS NOTICE TO APPLICABLE UTILITY COMPANY PRIOR TO PERFORMING WORK INVOLVING UTILITIES.
26. ALL SANITARY, STORM AND WATER SUPPLY LINES SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.
27. ALL FLOOR DRAINS SHALL BE PROVIDED WITH DEEP SEAL TRAPS AND FITTINGS UNLESS NOTED OTHERWISE.
28. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES EXCEPT AS SPECIFICALLY NOTED, OR IN MECHANICAL ROOMS.
29. INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH FIXTURE OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. ACCEPTABLE MANUFACTURERS: ZURN, JOSAM, JAY R. SMITH.
30. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING HEIGHTS, AND DIMENSIONS.
31. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
32. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (INCLUDING PIPE ROUTING AND EQUIPMENT LOCATIONS) TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO THE INSTALLATION OF PURCHASING OF ANY PIPING AND/OR EQUIPMENT.
33. COORDINATE EXACT LOCATION OF FLOOR DRAINS FOR HVAC EQUIPMENT WITH MECHANICAL CONTRACTOR.
34. PROVIDE 1/2" C.W. SUPPLY WITH ANGLE STOP AND FLEXIBLE SUPPLY TO REFRIGERATORS WITH ICE MAKERS AT HEIGHT REQUIRED BY MANUFACTURER OF EQUIPMENT INSTALLED.



DOMESTIC WATER RISER

SCALE: NO SCALE



WASTE AND VENT RISER

SCALE: NO SCALE

REVISIONS

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DATE: 12.27.2013

SCALE: AS NOTED

SHEET TITLE: PLUMBING-RISERS AND SCHEDULES

SHEET NUMBER: P2.00