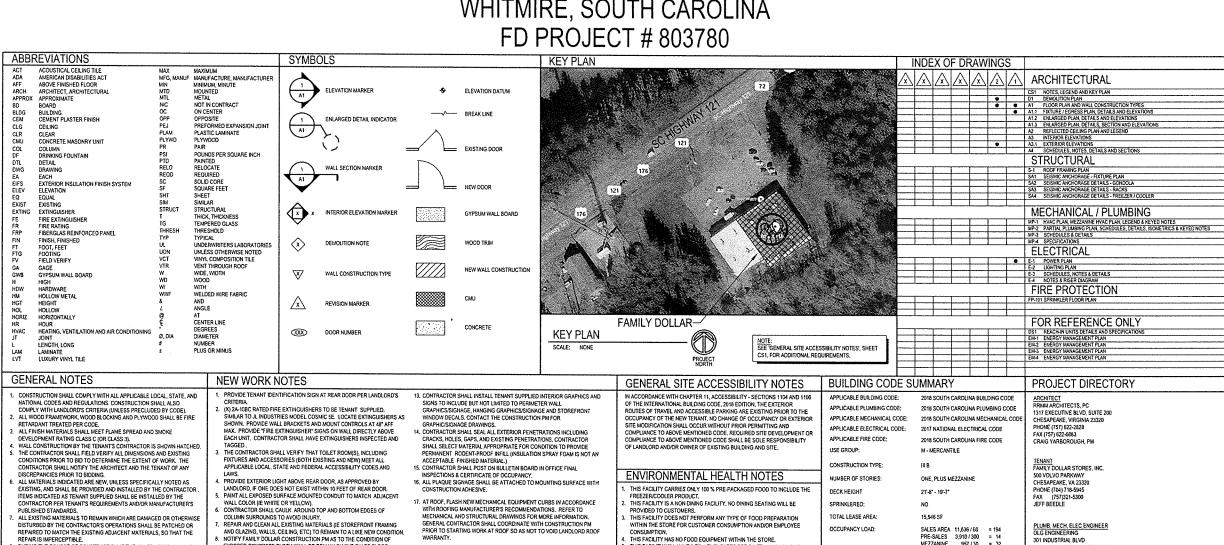
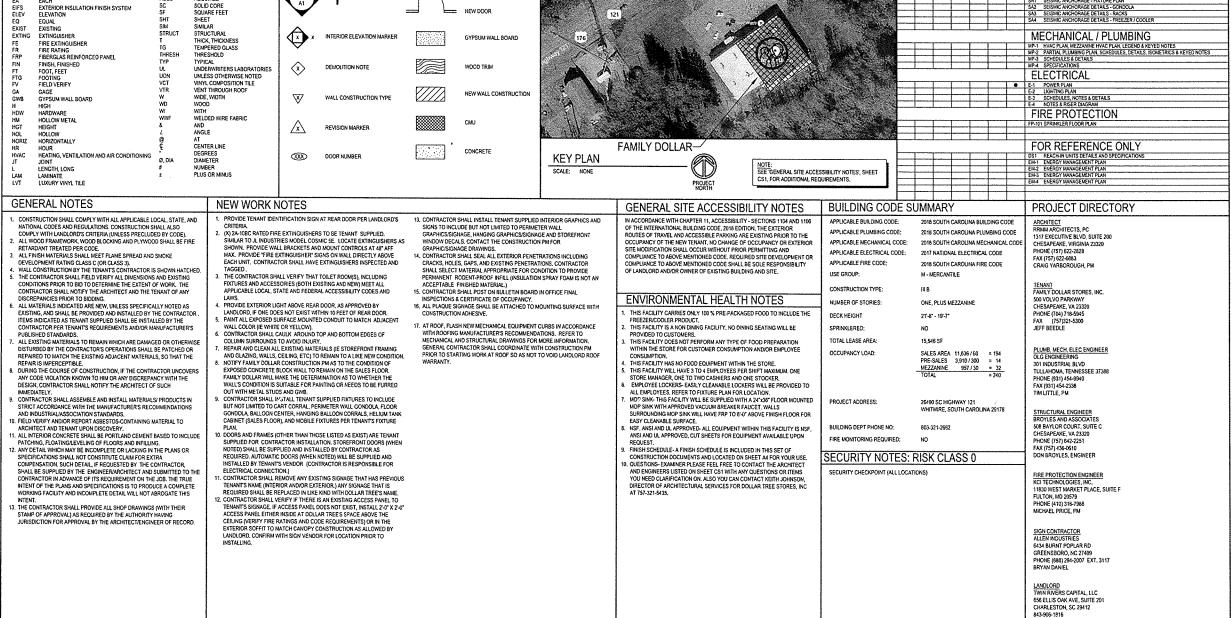
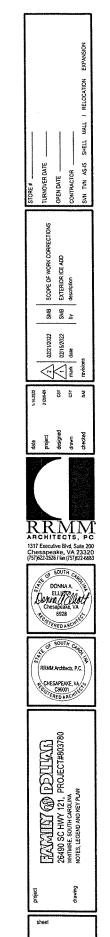


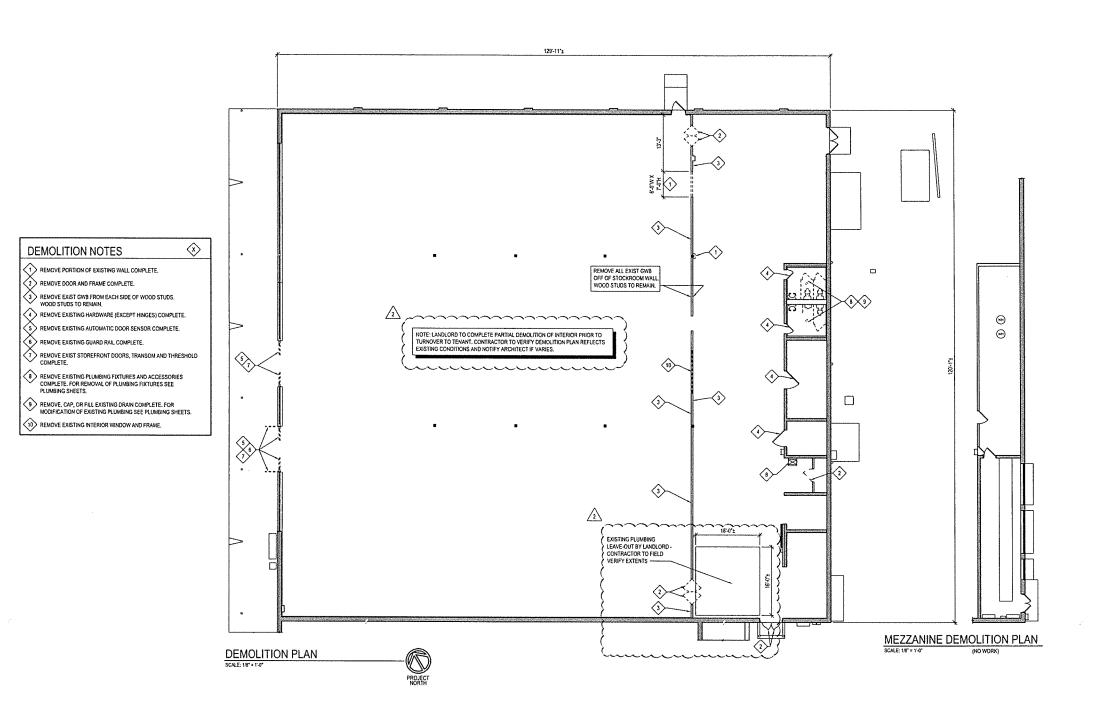
26490 SC HWY 121 WHITMIRE, SOUTH CAROLINA







CS1



SMB SMB by date project designed drawn checked [ANNIET & EDITALI Sego SC HWY 121, PROJECT#803780 PROJECT#803780

D1

WALL CONSTRUCTION TYPES

- EXTERIOR DEMISING WALL: EXISTING MASONRY WALL. PATCH AND REPAIR WALL AS REQUIRED, FINISH PER FINISH SCHEDULE, SHEET A4.
- 27 EXTERIOR DEMISING WALL: EXISTING MASONRY WALL WITH WOOD FURRING AND GWB. PATCH AND REPAIR AS REQUIRED, SEE DETAIL 4/A4, FINISH PER FINISH SCHEDULE, SHEET A4.
- 737 PARTITION WALL: EXISTING WOOD STUDS № 16" OC TO ROOF DECK.
 PROVIDE TWO LAYERS 58" TYPE "X" GWB EACH SIDE TO ROOF
 DECK SEALED TIGHT TO DECK. CONSTRUCTION SHALL COMPLY
 WITH ULD RESIGN FLUST FOR TWO HOURS FIRE RATING. SEE DETAIL
 SIAI. FINISH PER FINISH SCHEDULE, SHEET AI.
- PRILL PARTITION: MATCH EXIST WOOD STUD @ 12° OC WITH PROVIDE TWO LAYERS 58° TYPE "X" GIVE EACH SIDE. ALIGN EXIST ADJACENT SUPFACES, CONSTRUCTION SHALL COMPLY WITH ULDESIGN RUSULFOR TWO HOURS FIRE RATING. FINISH PER FINISH
- TO PLUMBING PARTITION: 6" (20 GA) METAL STUDS @ 16" OC WITH ONE LAYER 50" GWB EACH EXPOSED SIDE TO FINISHED CELING, PLUMBING WALLS ON INTERIOR OF TOILETS SHALL HAVE WATER RESISTANT GWB. FINISH PER FINISH SCHEDULE. SHEET A4.
- The partition wall: 3 58° (20 Ga) METAL STUDS ⊕ 16° OC WITH ONE LAYER 50° GWB EACH EXPOSED SIDE TO FINISHED CEILING. PLUMBING WALLS ON INTERIOR OF TO INCITES SHALL HAVE WATER RESISTANT GWB. SEE DETAIL 4/41.2. FINISH PER FINISH SCHEDULE,
- PARTITION WALL: EXIST WOOD STUBS. PROVIDE TWO LAYERS 5/8"
 TYPE 'X' GWB EACH SIDE TO ROOF DECK, SEE DETAIL 3/A4 FOR ADDITIONAL REQUIREMENTS. FINISH PER FINISH SCHEDULE,
- PARTITION WALL: EXISTING MASONRY WALL WITH METAL FURRING AND GWB, PATCH AND REPAIR AS REQUIRED, FINISH PER FINISH SCHEDULE, SHEET A4.
- PARTITION WALL: 6" (20 GA) METAL STUDS @ 16" OC WITH TWO LAYERS 5/8" TYPE "X" GWB EACH SIDE TO ROOF DECK. FIRE TAPE ALL JOINTS, CONSTRUCTION SHALL COMPLY WITH UL DESIGN #U419 FOR TWO HOURS FIRE RATING, SEE DETAIL 6/44, FINISH PER FINISH SCHEDULE, SHEET A4.

FAMILY DOLLAR GENERAL NOTES

KEY BOX NOTE:

G.C. SHALL PROVIDE KEY BOX FOR LOCK ACCESS DURING PUNCHOUT AND TURNOVER. COMBINATION MUST MATCH LAST FOUR DIGITS OF STORE NUMBER.

DESIGNER NOTE: GC TO PROVIDE EYE BOLT EMBEDDED 12" MIN. INTO TOP OF LOADING AREA BOLLARD WITH DIAMETER SIZED FOR KEY LOCK BOX.

KNOX BOX NOTE:

IF A KNOX BOX ENTRY SYSTEM IS REQUIRED BY THE CODES GOVERNING THE CONSTRUCTION OF THE PROJECT, PROVIDE RECESSED KNOX BOX PROVIDED BY THE GC PRIOR TO THE COMPLETION OF THE PROJECT. LOCATE PER LOCAL CODE REQUIREMENTS, KNOX BOX CONTACT - 866-625-4563

CERTIFICATE OF OCCUPANCY

G.C. IS RESPONSIBLE FOR THE "CERTIFICATE OF OCCUPANCY". CERTIFICATE TO BE FRAMED AND MOUNTED IN THE MANAGERS OFFICE. IF MUNICIPALITY DOES NOT ISSUE A CofO, IT IS THE RESPONSIBILITY OF THE G.C. TO GET A LETTER FROM THE MUNICIPALITY STATING AS SUCH ON CITY/COUNT LETTERHEAD AND THAT LETTER IS TO BE FRAMED AND MOUNTED IN MANAGER'S OFFICE.

SIGN FOR GROUND UP STORES SIGN FOR IN-LINE STORES

(2)

SMOKE FREE

FACILITY

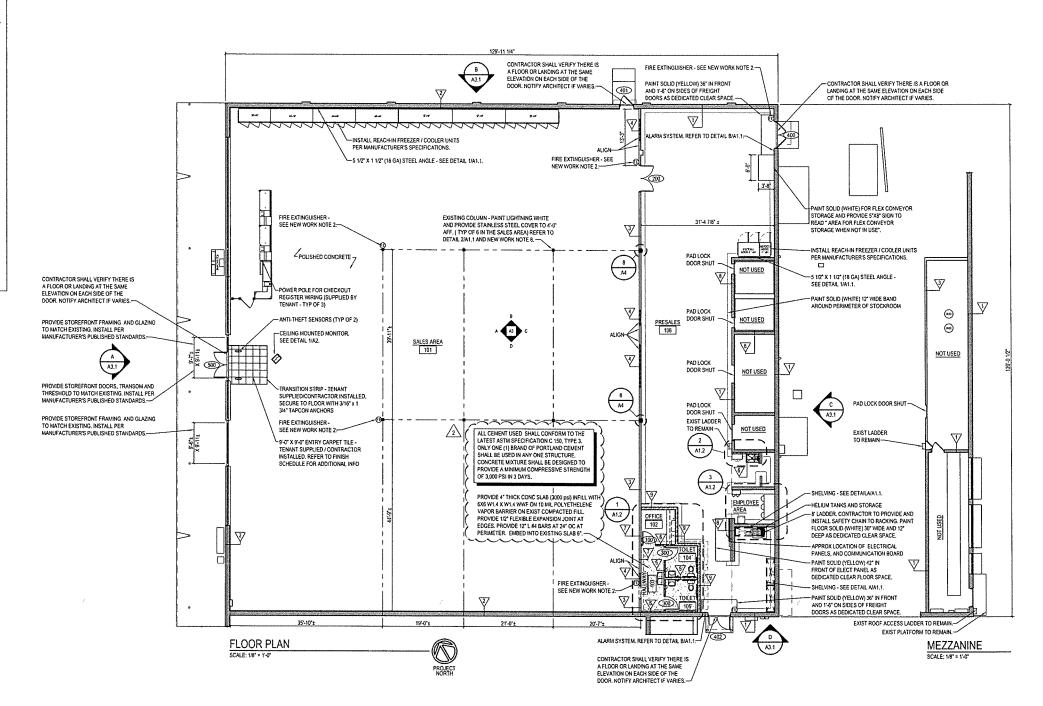


SMOKE FREE NOTE: PROVIDE SIGNAGE AT EVERY ENTRY POINT ON EXTERIOR WALL INTO THE BUILDING PER THE GROUND UP OR IN-LINE STORE TYPE ABOVE, SIGNS MUST BE 10"hX7w" IN SIZE. THE MATERIAL IS PREFERRED TO BE ALUMINUM, SIGNS MAY BE FOUND AT WWW.compliancesigns.com

HIGH PILED STORAGE NOTE

NO HIGH PILED STORAGE, AS DEFINED BY THE CODES GOVERNING THE JURISDICTION IN WHICH THE PROJECT IS CONSTRUCTED SHALL BE ALLOWED

FREEZER / COOLER NOTE:
ALL REACH-IN FREEZER / COOLER UNITS ARE SELF
CONTAINED. REFER TO SHEET DS1 FOR SPECIFICATION.





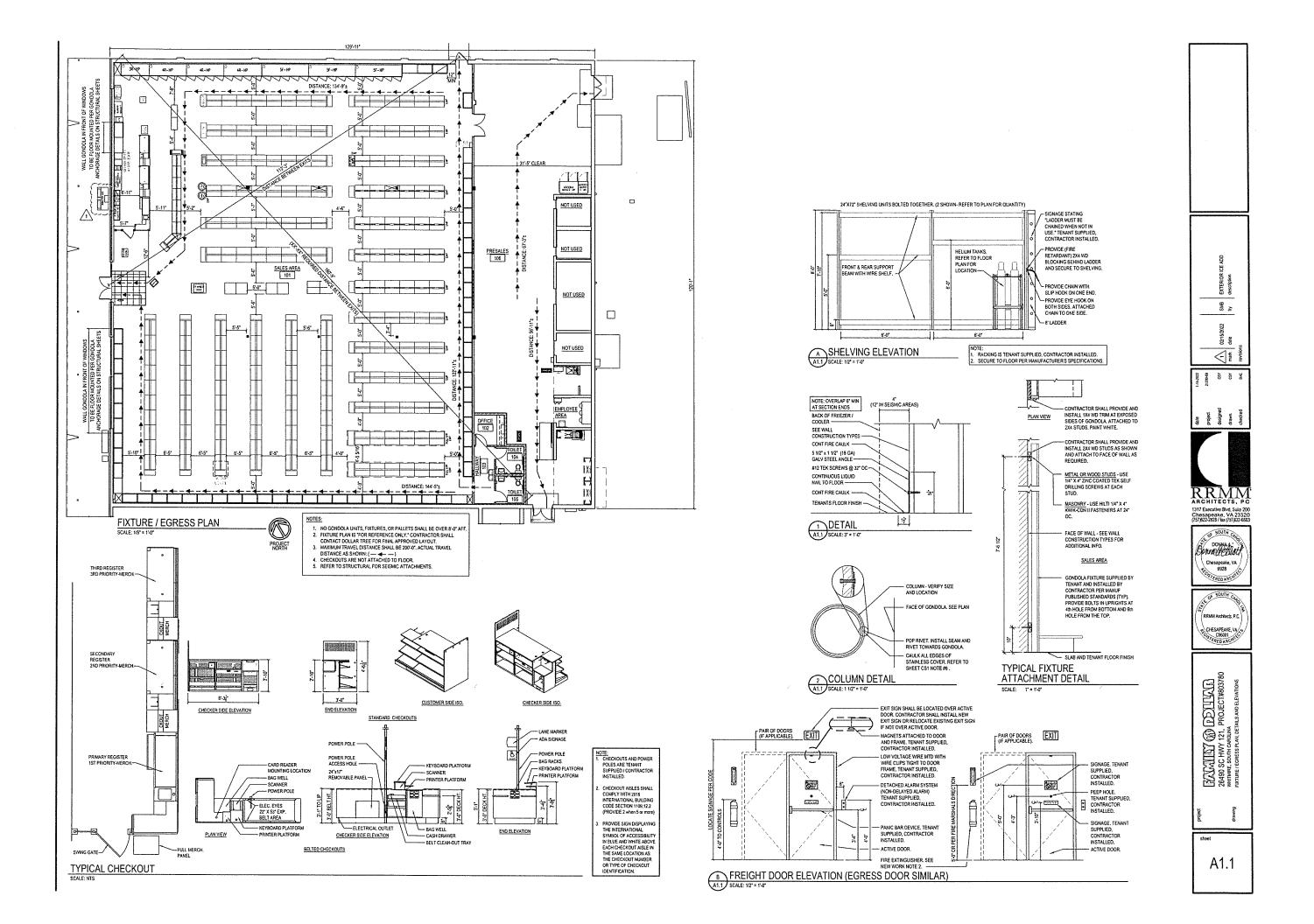


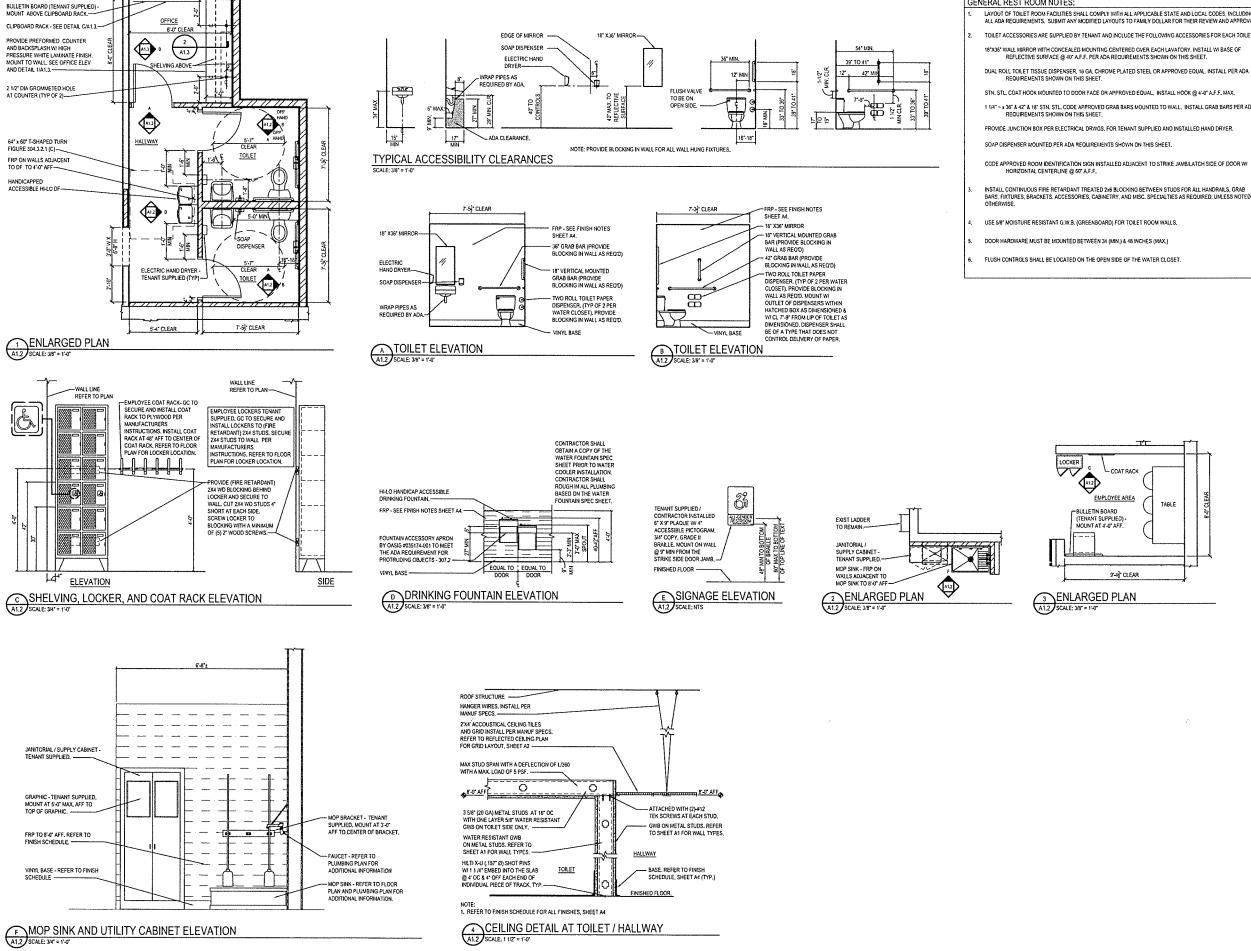




PROJECT#803780 @ E 26490 SC HWY WHITMIRE, SOUTH CAR

A1





GENERAL REST ROOM NOTES:

LAYOUT OF TOILET ROOM FACILITIES SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES, INCLUDING ALL ADA REQUIREMENTS. SUBMIT ANY MODIFIED LAYOUTS TO FAMILY DOLLAR FOR THEIR REVIEW AND APPROVAL

TOILET ACCESSORIES ARE SUPPLIED BY TENANT AND INCLUDE THE FOLLOWING ACCESSORIES FOR EACH TOILET

18"X36" WALL MIRROR WITH CONCEALED MOUNTING CENTERED OVER EACH LAVATORY, INSTALL W/ BASE OF

INSTALL CONTINUOUS FIRE RETARDANT TREATED 2x6 BLOCKING BETWEEN STUDS FOR ALL HANDRAILS, GRAB BARS, FIXTURES, BRACKETS, ACCESSORIES, CABINETRY, AND MISC. SPECIALTIES AS REQUIRED, UNLESS NOTED

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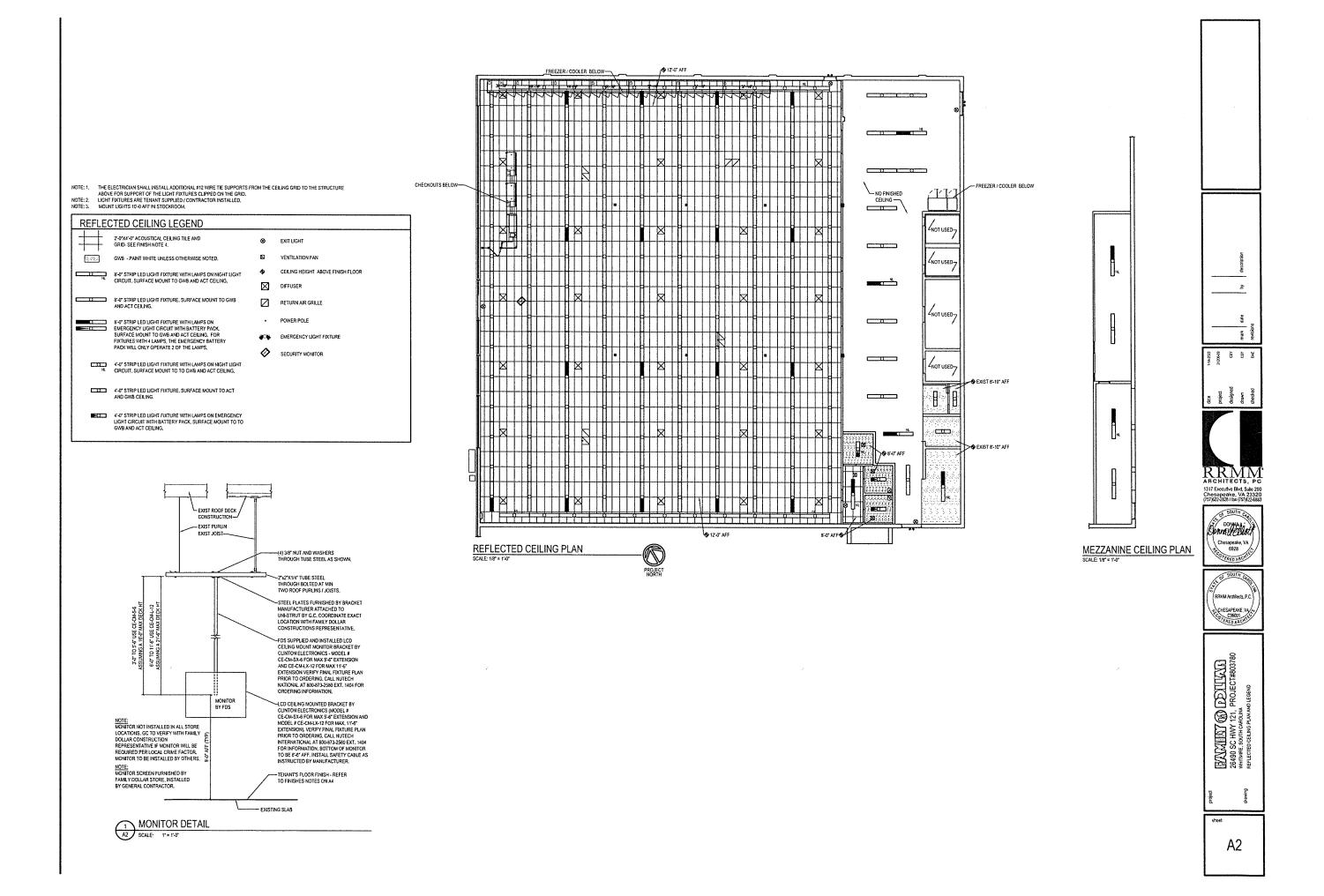


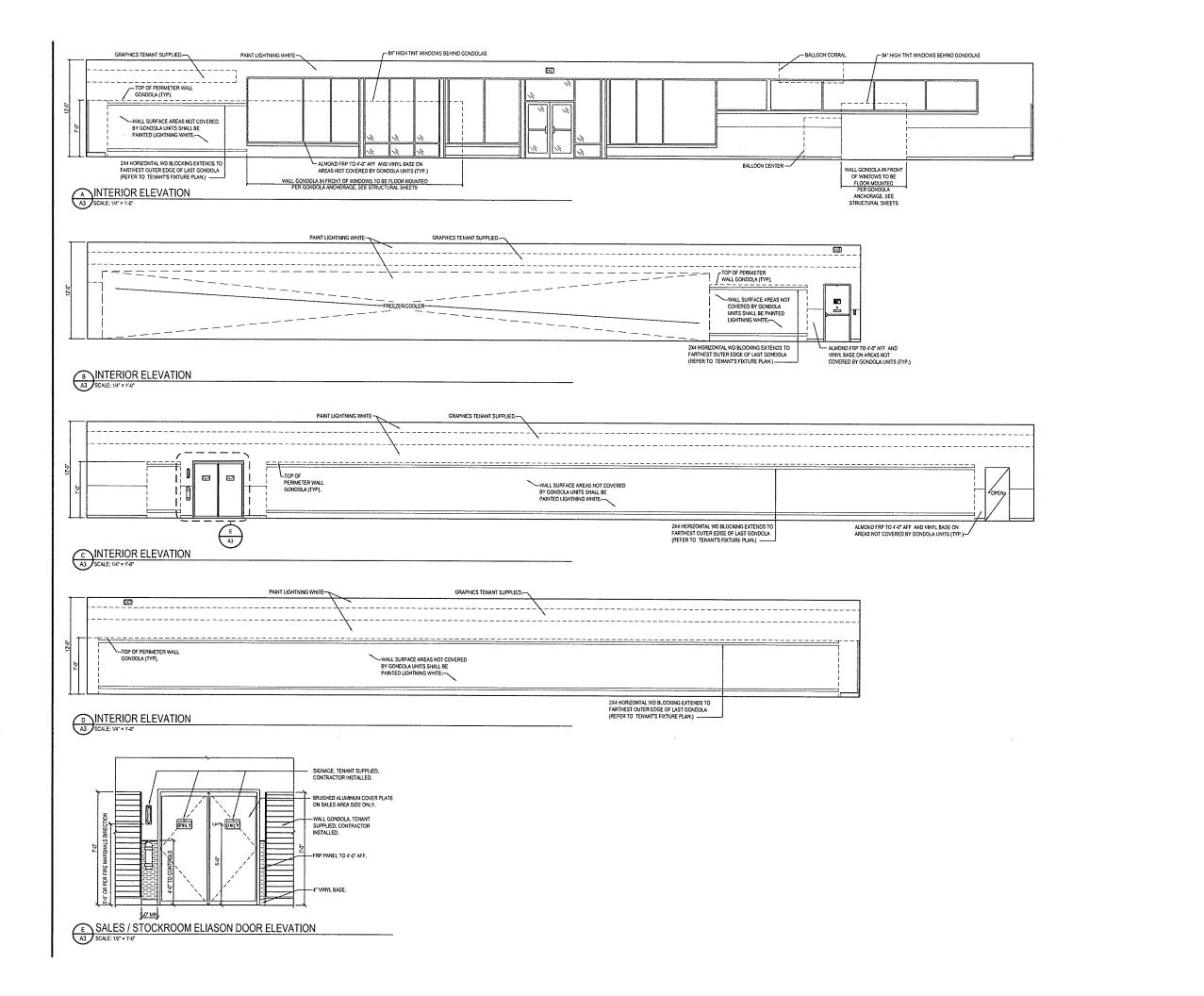






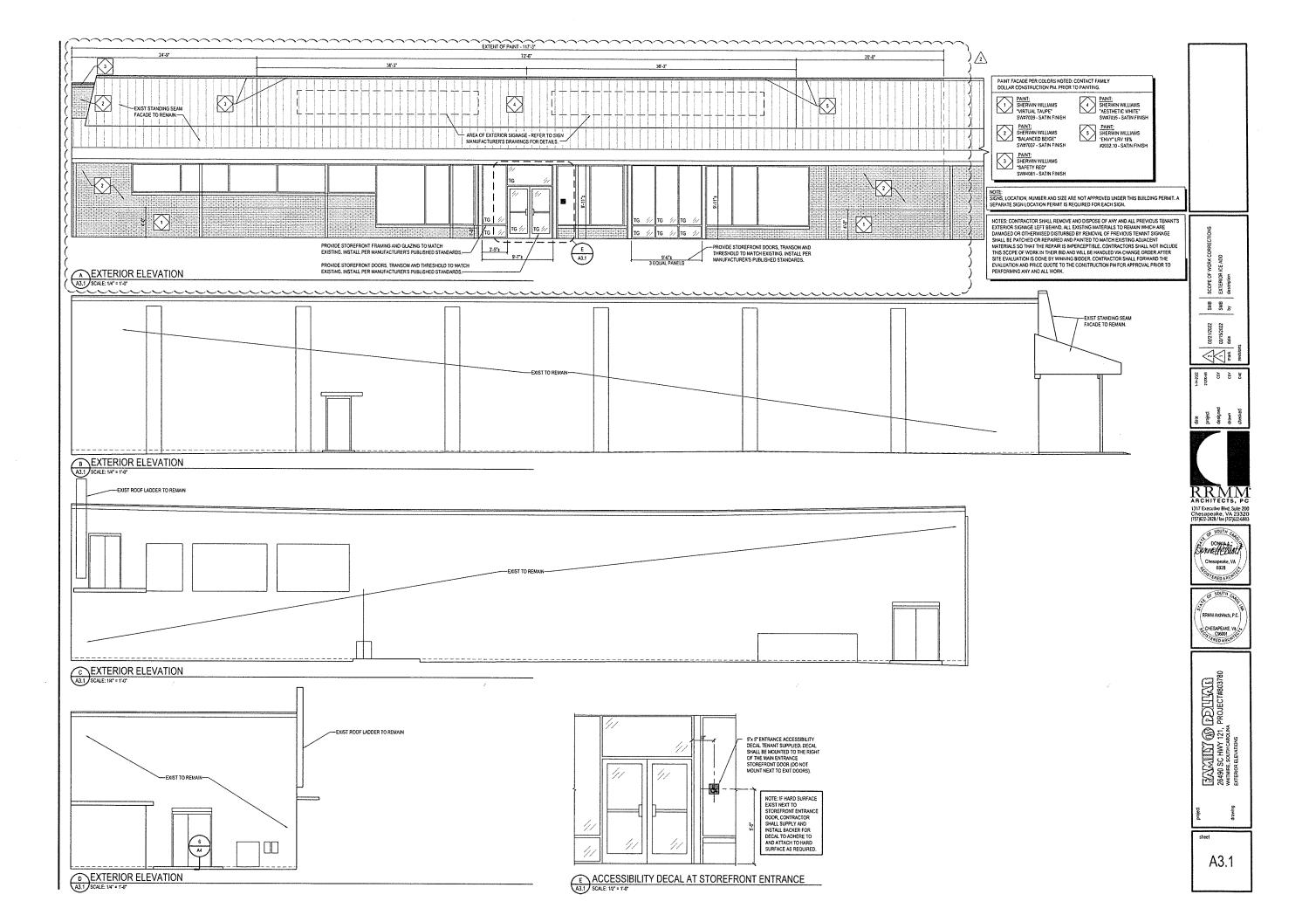
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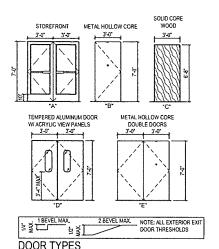




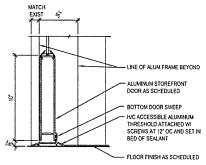
1.14.2022 21200-69 CSY CSY date project designed drawn checked 1317 Executive Blvd, Suite 200 Chesapeake, VA 23320 (757)622-2828 / fax (757)622-6883 Cornago Sold Chesapeake, VA 6928 PAC GYERED ARCHITEC CHESAPEAKE, VA C96001 C97ERED ARCHITE ELVAIINT (6) (DE) HIVAII 26490 SC HWY 121, PROJECT#803780 WITINGS SOUTH CAROLINA ELEVATIONS

A3

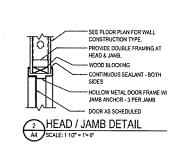


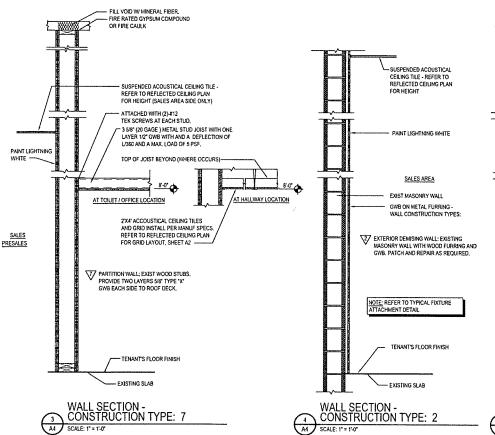


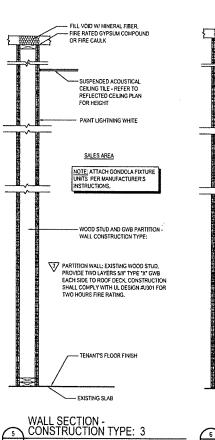
SCALE: 1/4" = 1'-0"











FINISH SCHEDULE

SPACES

CARPET TILE: MANUFACTURED BY PORTICO SYSTEMS AND

QUARTER TURNED AND PER TENANT'S CRITERIA

TENANT SUPPLIED (CONTRACTOR INSTALLED, INSTALL TILES

ENTRY TILE: DOMINATOR LP TILE: ANTHRACITE #1593

COORDINATE CARPET INSTALLATION W/ CARPET INSTALLER

VINYL COVE BASE; 4" HIGH TOPSET COVE VINYL - ARMSTRONG, BLACK.

ARMSTRONG - CONNECTION CORLON "PORCELAIN" #RR724 OR FOLIAL

SHEET VINYL BASE: INTEGRAL, 3/8" RADIUS, 6" HIGH COVED BASE W/COVE STICK AND EXTRUDED ALUMINUM CAP TRIM.

"CORTEGA" MINABOARD #769, WHITE, IN A WHITE METAL GRID, (IN

RETERRIOR CLES TO RETAIN PANELS IN PLACE.)

S. FRP (FIBERGLASS REINFORCED PANEL - GLASBORD # 85 - WHITE W/
PEBBLED EMBOSSED FINISH, BY CRAME COMPOSITES OR EQUAL):
IN TOILET ROOM FROM FLOOR TO 8-0" AFF SHALL BE WHITE COLOR.
FRP TO 8-0" AFF IN PRESSLAS BEHIND MOP SIKK AND UTILITY
CABINET ONLY, FRP IN HALLWAY FROM FLOOR TO 4-0" AFF BEHIND
DRINKING FOUNTAIN ONLY. FRP ON SALES FLOOR (WHERE NOTED
ON PLANSELEVATIONS) SHALL BE ALMOND COLOR WITH ""
CHANNEL TRIM CAP AND "H" CHANNEL PANEL CONNECTORS.

AREAS WITH SIGNIFICANT AIR PRESSURE DIFFERENTIALS PROVIDE

VINYL BASE ON EXPOSED AREAS ONLY IN SALES ROOM (NOT BE

CONTRACTOR SHALL PREPARE FLOOR SURFACE AND

IN PRESALES AT MOP SINK AND CABINET ONLY UON.

SHEET VINYL: CLASSIC CORLON SERIES MANUFACTURED BY

PROVIDE 2'-0" X 4'-0" CEILING TILE EQUAL TO ARMSTRONG

RETENTION CLIPS TO RETAIN PANELS IN PLACE.)

TOILETS

PAINT FINISH SCHEDUL

PT-2 SEMI-GLOSS ENAMEL PT-3 SEMI-GLOSS ENAMEL

PT-7 SEMI-GLOSS PT-8 SEMI-GLOSS

FINISH NOTES

FLOORS

ENTRY CARPET TILE / POLISHED CONCRETE POLISHED CONCRETE

SHEET VINY

SEALED CONCRETE / 12" PAINTED AROUND PERIMETER, COLOR PT-8

BENJAMIN MOORE

O BM WHITI

D BM #2019-70 - LIGHT#

BASES

SHEET VINYL

WALLS

3-PAINT PT-2 / FRP TO 4'-0

BM-LOW VOC BASE PRODUCT

SUPER HIDE ZERO VOC LATEX - 358

TOUGH SHEILD ACRYLIC GLOSS - TY 43

SEALER: CLEAR ACRYLIC SEALER BY MASTERKURE, CC 300SB OR FDS APPROVED SUBSTITUTE.

7. POLISHED CONCRETE FLOOR PER MANUFACTURE SPECIFICATIONS

8. 12" STRIPE AROUND PERIMETER & AROUND COLUMNS: COLOR-PT-8. BAND SHALL BE PAINTED PRIOR TO PAINTING ANY YELLOW CLEAR FLOOR AREAS.

EXPOSED STEEL COLUMNS TO BE PAINTED PT-1. ROUND COLUMNS
 ARE NOT TO RECEIVE COVE BASE.

10. PROVIDE PREFORMED COUNTER WITH WHITE HIGH PRESSURE LAMINATE FINISH, MOUNT TO WALLS, FILING CABINETS PROVIDED BY TENANT, SEE ENLARGED OFFICE PLAN AND OFFICE ELEVATION.

11. SALES AREA TO RECEIVE LEVEL 4 FINISH, PROVIDE FINISH TO 1'-0"

BEHIND FREEZER / COOLER AND GONDOLA. TO FF EVERYWHERE ELSE. CONTRACTOR SHALL ALLOW 72 HOUR CURE TIME.

12. SLATWALL; 3/4" SLATWALL WITH WHITE MELAMINE FINISH.

DETAILS, SLATWALL IS TENANT SUPPLIED / CONTRACTOR

INSTALLED.

BY TENANT'S VENDOR, COORDINATE WITH TENANT

EXISTING / GWB

CEILING

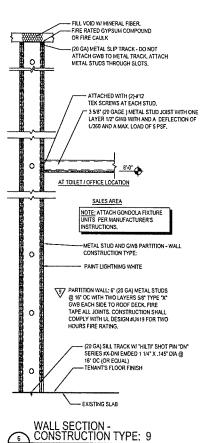
GWB - PT-3

NOTES

ROOM#

104 & 105

NO. TYPE



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		C	OORS	3		DETA	AILS		FR	HDW	DOOR
#	W	Н	T	MATERIAL	TYPE	HEAD	JAMB	SILL		NOTES	NOTES
100	3'-0"	6:-8-	1 3/4"	SOLID CORE WOOD	С	2/A4	2/A4	-		100A	5,14
200	PR 3'-0"	7'-C"	1 3/4"	HOLLOW METAL	D	2/A4	2/A4	-	1 1/2 HR	2008	2,5.7,10,12,16
300	3'-0"	6-8	1 3/4*	SOLID CORE WOOD	С	2/A4	2/A4	-		300C	5,6,9,14
400	PR 3'-0"	T-0*	13/4*	EXIST HOLLOW METAL	E		٠.	-		400A	3,4,5,8
401	3'-0"	T-0*	1 3/4"	EXIST HOLLOW METAL	В	·	·	-		400C	3,4,5,8,11
402.	PR 2'-0"	7-0"	1 3/4*	HOLLOW METAL	В	-	•	7/A4		400A	4,5,8,11,17
500	PR 3'-0"	7'-0"	1 3/4"	ALUM & GLASS	А		-	1/A4		500A	1,8,13,15

DOOR NOTES

- PROVIDE A SIGN POSTED ON THE EGRESS SIDE, ON OR ADJACENT TO THE DOOR STATING." THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE SIGN SHALL BE IN LETTERS 1" HIGH ON A
 - NEW DOORS SUPPLIED BY TENANT ELIASON BI-SWING DOORS W/ WINDOW
 - DOOR, FRAME AND HINGES ARE EXISTING, PROVIDE AND INSTALL ANY MISSING ITEMS OF HARDWARE PER
- PROVIDE (ONE) PEEP HOLE TO VIEW OUT, MOUNT @
- PAINT DOOR AND FRAME W/ WHITE SEMI-GLOSS
- INSTALL TENANT SUPPLIED SIGNAGE PER DETAIL E/A1.2.
- REINFORCE JAMBS WITH WOOD BLOCKING.
- CONTRACTOR TO PROVIDE AND INSTALL DOOR SWEEP ON ALL EXTERIOR DOORS TO PREVENT WATER, WIND AND DEBRIS INFILTRATION.
- BACK SIDE OF DOOR.
- PAINT DOOR FRAME WHITE WITH SFMI-GLOSS ENAMEL PAINT, DOOR TO REMAIN WITH ORIGINAL
- 13. PROVIDE NYLON WASHER/GROMMETS AT THE DOOR
- HANDLES AND CRASH BARS TO PREVENT METAL ON METAL CONTACT.
- AND THRESHOLD TO MATCH EXIST, PROVIDE SHOP DRAWINGS TO LANDLORD FOR APPROVAL PRIOR TO INSTALLATION.
- UNDERWRITER'S LABORATORIES INC

GENERAL HARDWARE NOTES

- AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34" (MIN) TO 44" (MAX) AFF AND SHALL BE "SINGLE-HANDED" OPERABLE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE
- CONTROLS AND OPERATING MECHANISMS SHALL
- THE FORCE REQUIRED TO ACTIVATE CONTROLS
- DOORS EQUIPPED WITH CLOSERS SHALL BE ADJUSTED SO THAT THE SWEEP PERIOD FROM AN OPEN POSITION OF 70 DEGREES WILL TAKE FROM THE LATCH, MEASURED FROM THE LEADING EDGE OF THE DOOR.

HARDWARE NOTES

- 3 PAIR HINGES: 4 1/2" HEAVY WEIGHT, BALL BEARING PINS
- 1 DUSTPROOF STRIKE

- MOUNT TENANT SUPPLIED COAT HOOK AT 48" AFF. ON
- PROVIDE SIGNAGE THAT READS 'EMERGENCY EXIT
- ALL DOOR FRAME CASED OPENING AND HARDWAR
- MATERIAL WILL BE SUPPLIED BY TENANT. GC IS RESPONSIBLE FOR INSTALLATION.
- PROVIDE "B" LABEL DOOR AND FRAME PER
- MORE THAN 1/2" (MAX) HEIGHT AFF
- 2. ALL DOOR HANDLES, PULLS, LATCHES, LOCKS

- 1 COORDINATOR
- 1 STEEL ASTRAGAL
- 1 THRESHOLD (1/4" MAXIMUM HEIGHT) 1 SMOKE SEAL
- 1 PRIVACY SET WITH LEVER HANDLE
- DETAIL PROVIDE SIGNAGE THAT READS "EMPLOYEES ONLY."
- PROVIDE STOREFRONT DOORS, TRANSOM
- VERIFY MASONRY OPENING PRIOR TO ORDERING DOOR AND FRAME.

- THRESHOLDS AT EGRESS DOORS SHALL BE NO
- WHERE EGRESS DOORS ARE USED IN PAIRS, THE UNLATCHING OF THE LEAF SHALL NOT REQUIRE MORE THAN ONE (1) OPERATION AS MENTIONED IN GENERAL HARDWARE NOTE #2 ABOVE.
- BE LEVER-TYPE (OR EQUAL) PROVIDING OPERATION WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
- GREATER THAN 5 POUNDS (22.2 N).

METAL THRESHOLD SET IN

STOCKROOM

SILL AT REAR DOOR

- 1 17 PAIR HINGES: STANDARD WEIGHT

- 1 PUSH PULL LATCH SET 1 SET AUTOMATIC FLUSH BOLTS (ON INACTIVE

- (FLOORWALL STOP IF SHIPPED WITH

W # 400A

3 PAIR HINGES: 4 1/2" HEAVY WEIGHT,
NON- REMOVABLE PINS

1 NON-ALARMED, NON-KEYED PANIC BAR
DEVICE: WITH STAND ALONE ALARM
REFER TO DOOR ALARM MOUNTING
DETAIL

mark

25 CS 56 SE

date project designe drawn checker

317 Executive Blvd, Suite 20 Chesapeake, VA 2332 57)622-2828 / fax (757)622-688

OF SOUTH CAG

Conna Hollish

COPTERED ARCHITEC

RRMM Architects, P.C.

CHESAPEAKE, VA

PROJECT#80378

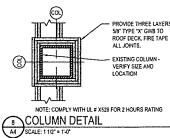
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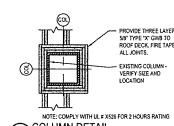
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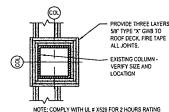
- 2 FLUSH BOLTS (ON INACTIVE LEAF) 1 DUST PROOF STRIKE
- 1 ALUM THRESHOLD (1/2" MAX HEIGHT)
- 1 WEATHER STRIP 1 RAIN DRIP 1 ASTRAGAL
- HDW # 400C 1 1/2 PAIR HINGES: STANDARD WEIGHT, NON-REMOVABLE PINS 1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE: WITH STAND ALONE ALARM - REFER TO DOOR
 - ALARM MOUNTING DETAIL. 1 CLOSER WITH STOP ARM PEEP HOLE 1 ALUM THRESHOLD (1/2* MAX HEIGHT)
 - WEATHER STRIP

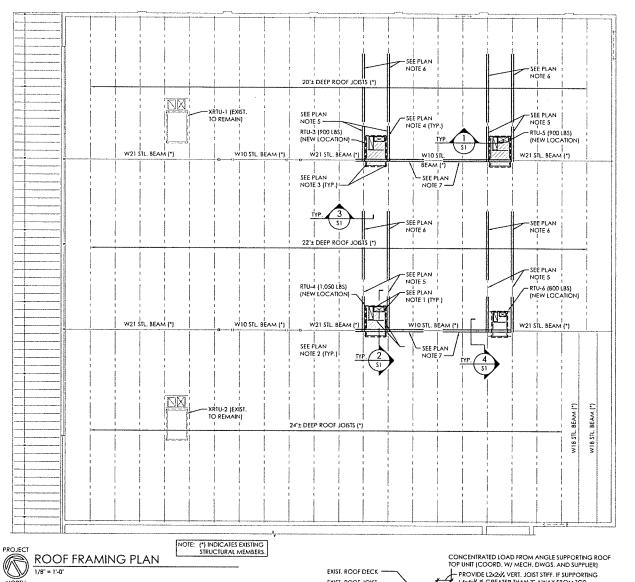
HINGES PER STOREFRONT MANUFACTURER HINGES PER STOREFRONT MANUFACTURER (BY GENERAL CONTRACTOR) 2 CLOSERS WITH STOP ARM AND DROP PLATE 2 PUSH PLATES (BY GENERAL CONTRACTOR) 2 PULL HANDLES (BY GENERAL CONTRACTOR) 1 KABA CYLINDER (SUPPLIED BY TEMANT) COMMERCIA

CLOSER DOES, THE CONTRACTOR SHALL REPLACE WITH NEW CLOSER.







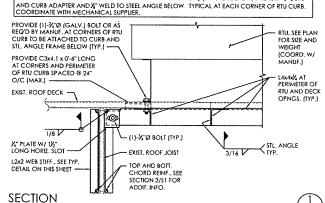


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EXIST. ROOF JOIST L4x4x/, IS GREATER THAN 3" AWAY FROM TOP CHORD PANEL POINT (F.V.) PROVIDE L222X, AT SUPPORT ANGLE LOCATIONS WHERE CONCENTRATED LOAD DOES NOT LAND ON TOP TYPICAL JOIST REINFORCING AT

CONCENTRATED LOAD DETAIL

CONTRACTORS OPTION: IN LEU OF THE XT'28 BOLT AT CORNERS OF THE RTU CURB, CONTRACTOR CAN PROVIDE A 12 GAGE METAL STRAP SCREWED TO INSIDE OF EXISTING CURB, CURB ADAPTER (IF ENCOUNTERED) AND WELDED TO INSIDE OF STEEL FRAMING, BELOW, PROVIDE A MINIMUM OF (4)-# 10 TEK SCREWS IN EXISTING CURB AND CURB ADAPTER AND XT WELD TO STEEL ANGLE BELOW. TYPICAL AT EACH CORNER OF RTU CURB. COORDINATE WITH MECHANICAL SUPPLIER.



1 1/2" = 1'-0"

ROOF FRAMING - GENERAL NOTES:

- 1. ALL WORK SHOWN IS NEW WORK UNIESS DENOTED AS EXISTING. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO STARTING CON-ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- 2. SEE THE ARCHITECTURAL DRAWINGS FOR DEMOLITION NOT NOTED
- 3. COORDINATE DIMENSIONS NOT NOTED ON PLAN WITH THE ARCHITECTURAL DRAWINGS.
- 4. CONTRACTOR SHALL IN NO WAY DAMAGE ANY BUILDING COMPONENT TO REMAIN. IF DAMAGE OCCURS, IT SHALL BE REPAIRED OR REPLACED (TO THE SATISFACTION OF THE OWNER) AT THE CONTRACTOR'S EXPENSE.
- 5. COORDINATE SIZE AND LOCATION OF MECHANICAL ROOF TOP UNITS (RTU) WITH MECHANICAL DRAWINGS AND ACTUAL FIELD CONDITIONS.

ROOF FRAMING - PLAN NOTES:

- CONTRACTOR SHALL LOCATE SUPPLY AND RETURN DUCT PENETRATIONS AWAY FROM EXISTING JOISTS AND BRIDGING TO REMAIN.
- PROVIDE L4X4X BETWEEN JOISTS AT EDGES OF RTU CURB AND ROOF DECK OPENING. COORDINATE LOCATIONS WITH MECHANICAL SUPPLIER.
- PROVIDE (1)-¾"Ø BOLT (GALVANIZED) OR AS REQUIRED BY MANUFACTURER AT EACH CORNER OF RTU CURB DOWN TO SUPPORTING STRUCTURE BELOW.
- 4. PROVIDE L2x2xf, DIAGONAL WEB STIFFENER IN EXISTING JOIST AT L4x4xf, LOCATIONS. SEE TYPICAL JOIST REINFORCING AT CONCENTRATED LOAD DETAIL ON THIS SHEET.
- 5. REINFORCE EXISTING JOISTS AT RTU LOCATION. SEE SECTION 2/S) FOR JOIST REINFORCING REQUIREMENTS, STRUCTURAL STEEL REINFORCEMENT SHALL BE DONE PRIOR TO MECHANICAL RTU PLACEMENT ON MOOF.
- REINFORCE TOP AND BOTTOM CHORDS OF EXISTING JOISTS WITH (2)-¾"Ø x 16-0" LONG STEEL RODS, CENTERED IN JOIST SPAN. SEE SECTION 3/S1 FOR ADDITIONAL INFORMATION.
- 7. REINFORCE EXISTING STEEL BEAM WITH L3x3x3x x 16°-0" LONG, EACH SIDE, WELDED TO TOP FLANGE OF, CENTERED OVER EXISTING COLUMN. SEE SECTION 4/S1 FOR ADDITIONAL

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL FOR THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOURTEENTH EDITION OF THE "MANUAL OF STEEL CONSTRUCTION" OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), ALLOWABLE STRESS DESIGN".
- 2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS UNLESS OTHERWISE
 - A. MISCELLANEOUS STEEL ANGLES, CHANNELS AND PLATES ASTM A36, GRADE 36 KSI.
- 3. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO AISC STANDARDS (AISC 303)
- WELDING SHALL BE IN ACCORDANCE WITH AWS DT. I., "STRUCTURAL WELDING CODE STEEL." WELD ELECTRODES SHALL BE E70XX LOW HYDROGEN.
- 5. 0.157" DIAMETER POWDER ACTUATED FASTENERS (PAF) SHALL HAVE A MINIMUM ALLOWABLE CAPACITY INTO THE BASE MATERIAL AS FOLLOWS, UNLESS OTHERWISE NOTED:

 A. CONCRETE: SHEAR = 260 L85; TENSION = 255 L85 (3" EDGE DISTANCE)
- B. STEEL: SHEAR = 600 LBS; TENSION = 250 LBS IK" EDGE DISTANCE

APPLY BONDING AGENT PLUMBING AND ARCHITECTURAL DRAWINGS. PROVIDE #4 DOWELS @ COORD W/ PME DWGS AND FIELD CONDITION T.O. SLAB

TYPICAL UTILITY TRENCH INFILL DETAIL

4" (MIN.) SLAB-ON-GRADE REINF.

RTU. SEE PLAN FOR SIZE

W/ 6x6-W1.4xW1.4 WWR OVER 4" POROUS FILL MATERIAL AND

10 MIL VAPOR BARRIER -

PROVIDE XºØ (GALV.) THRU BOLTS AT CORNER OF RTU OR TOP AND BOT 1/8 2-12 TYP W/ MANUEJ CHORD REINF. AS REO'D BY MANUF. (TYP.) EXTEND OVER BEAM (F.V.) WEB REINE EA. SIDE, TO MATCH EXIST -- PROVIDE C3x4 1 x 0'-6" TYP.>1/8 V PERIMETER OF RTH CHR - ሺ"x4"x4" PLATE (TYP.) EXIST. ROOF DECK PROVIDE (2)-N°Ø RODS TOP AND BOTT, OF EXIST, JOIST LIKXIKX WEB REINF EA. SIDE, TO MATCH - EXIST. ROOF JOIST LAVAYY, RETWEEN EXIST JOIST WEBBING ROOF JOISTS BENEATH C3x4.1 AND ROOF EXTEND JOIST REINF. TO FIRST BOTT CHORD PANEL POINT BEYOND RTU (F.V.) EXIST. STL. BEAM **SECTION**

EXIST, ROOF DECK -TOP AND BOTT, REINF. SEE PLAN FOR ADDIT. INFO. (TYP.) EXIST. ROOF JOIST SECTION 1 1/2" = 1'-0"

COMPACT EXIST. SUBGRADE TO 95% DRY

W/ ASTM D698 (TYP.)

GENERAL NOTES:

- . ALL ITEMS SHOWN ON THIS DRAWING ARE NEW CONSTRUCTION, UNLESS OTHERWISE NOTED
- 2. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION AND ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
- 3. If is the Contractor's sole responsibility to follow all applicable safety codes and regulations during all phases of construction.
- 4. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO ANCHORAGE AND FLASHING AROUND MECHANICAL EQUIPMENT AND ROOF PENETRATIONS.
- 5. THE STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2018 SOUTH CAROLINA BUILDING CODE AND THE 2018 INTERNATIONAL BUILDING CODE (IBC 2018). THE FOLLOWING LOADS IN ADDITION TO THE LOADS OF THE PERMANENT MATERIALS AND CONSTRUCTION, WERE USED:

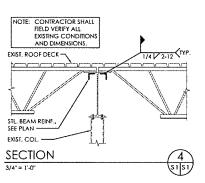
LIVE LOADS:	
ROOF	20 PSF
GROUND FLOOR	100 PSF
SNOW LOADS:	
GROUND SNOW LOAD	
IMPORTANCE FACTOR (I)	1.0
EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (C1)	1.0
FLAT ROOF SNOW LOAD (P.)	10 PSF
WIND:	
WIND (3 SECOND GUST)	V _{IRT} = 110 MPH
	VASD = 85 MPH
EXPOSURE	cົ້
RISK CATEGORY	II.
INTERNAL PRESSURE (GCpc)	±0.18
SEISMIC:	
SEISMIC IMPORTANCE FACTOR (Ie)	10
MAPPED SPECTRAL RESPONSE ACCELERATIONS, Ss.	
S ₁ ,	
DESIGN SPECTRAL RESPONSE ACCELERATIONS, Sps	
S ₀₁	
SITE CLASS	
SEISMIC DESIGN CATEGORY	Č
BASIC SEISMIC-FORCE RESISTING SYSTEM	
	MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR (R)	2
ANALYSIS PROCEDURE USED	
	FORCE

6. CONTRACTOR SHALL COORDINATE STRUCTURAL, ARCHITECTURAL, MECHANICAL AND CIVIL DRAWINGS PRIOR TO BEGINNING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

CAST-IN-PLACE CONCRETE NOTES:

- 1. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 301 "STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318/318R "BUILDING CODE REQUIREMENTS FOR
- NOTE: ALL SUMPS SHALL BE $\pm 1\%$ " (SLUMP MEASURED PRIOR TO SUPERPLASTICIZER, WHERE OCCURS)
- 3. ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLE SHALL HAVE 6% (±11/3%) ENTRAINED AIR.
- .. ASTM A615 (GRADE 60) ... ASTM A185 (FLAT SHEETS
- 5. COVER TO REINFORCEMENT AS NOTED IN SECTIONS AND AS FOLLOWS:
 - A. TOP COVER TO WWR

 OTHER; AS NOTED IN ACI 318.
- ADHESIVE ANCHORS SHALL CONSIST OF GRADE 60 REBAR, ASTM A307 GRADE A ALL-THREAD OR ANCHOR ROD, NUT, WASHER AND ADHESIVE, EPOXY ANCHORS SHALL BE INSTALLED USING AT LEAST MINIMUM DEPTHS, EDGE DISTANCES, SPACING (UNLESS NOTED OTHERWISE). AND INSTALLATION PROCEDURES AS RECOMMENDED BY THE MANUFACTURER, DO NOT APPLY LOAD TO ANCHOR UNTIL RESIN HAS CURED IN ACCORDANCE WITH RECOMMENDATIONS OF THE MANUFACTURES
- 7. TORCHING TO BEND REINFORCING BARS SHALL NOT BE ALLOWED
- ALL ITEMS EMBEDDED IN CONCRETE OR GROUTED CMU MUST BE TIED AND SECURED PRIOR TO PLACEMENT OF CONCRETE OR GROUT. NO "WET SETTING" IS ALLOWED.
- FOR SLAB-ON-GRADE, SLAB REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS AND ACCESSORIES AS DESCRIBED IN CHAPTER 3 OF THE CRSI MANUAL OF STANDARD PRACTICE. BAR SUPPORTS SHALL BE SPACED A MAXIMUM OF 4-0" ON CENTER BOTH WAYS IN STRAIGHT LINES ON THE WELDED WIRE REINFORCING GRID.



Structural engineers
Structural engineers
Subsection | 757.1360610

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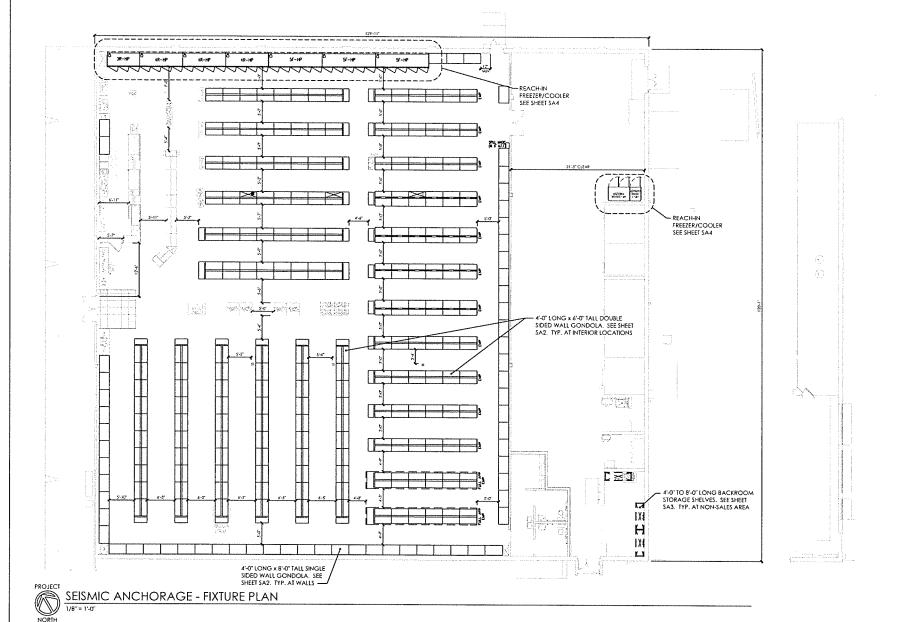






PROJECT#80378 Z6490 SC HWY 121, F WHTMRE, SOUTH CAROLINA ROOF FRAMING PLAN

S₁



RACK LEGEND

TYPE

DESCRIPTION

4-0" LONG x 6-0" TALL DOUBLE SIDED
GONDOLA - SEE SHEET S3.
TYPICAL AT INTERIOR LOCATIONS

4-0" LONG x 8-0" TALL SINGLE SIDED WALL
GONDOLA - SEE SHEET S3.
TYPICAL AT WALLS

4-0" TO 8-0" LONG x 8-0" TALL BACK ROOM
SIORAGE SHELVES - SEE SHEET S4.
TYPICAL AT INDN-SALES AREA

NOTE: FIXTURE PLAN IS PROVIDED FOR REFERENCE TO ANCHOR REQUIREMENTS. SEE ARCHITECTURAL FIXTURE PLAN FOR ALL INFORMATION NOT SHOWN

NOTE: SPECIAL INSPECTION IS REQUIRED FOR EPOXY AND EXPANSION ANCHOR INSTALLATION (PER ICC REPORT).

NOTE: SEE SA2 FOR GONDOLA FIXTURE ANCHORAGE REQUIREMENTS. SEE SA3 FOR BACKROOM FIXTURE ANCHORAGE REQUIREMENTS. SEE SA4 FOR FREEZER/COOLER ANCHORAGE REQUIREMENTS.

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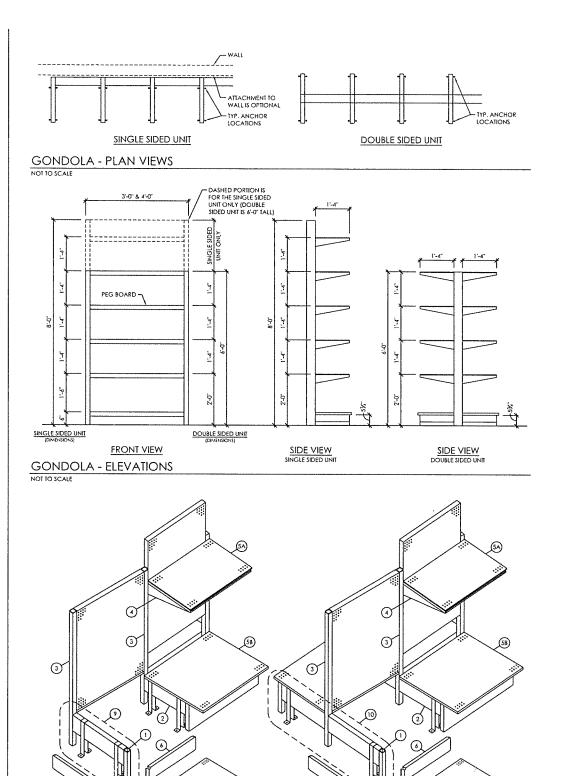




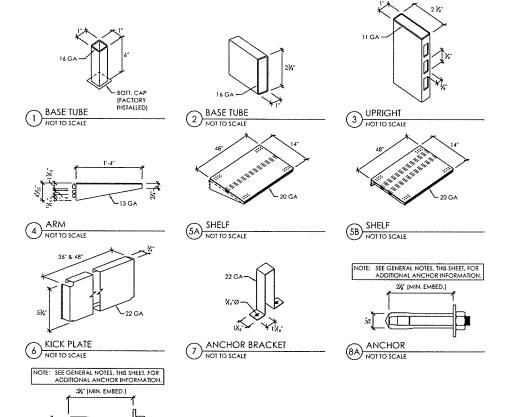


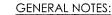
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SA1



DOUBLE SIDED UNIT





- STORAGE CAPACITY: LIVE LOAD = 35 LBS PER LEVEL (INTERIOR)
- 2. ALL STEEL TO BE Fy = 50 KSI.
- ALL BOLTS TO BE A307 (UNLESS OTHERWISE NOTED).

 ANDHOR HILTI KWIK BOLT TZ (ICC REPORT ESR-1917) OR APPROVED EQUAL (3/8/Ø SIMPSON TITEN HD ACCESSORIES OK, ICC ESR-22/13).
- 5. SPECIAL INSPECTION IS REQUIRED FOR ANCHOR INSTALLATION.
- 6. CONCRETE 4" THICK x 3,000 PSI. CONTRACTOR TO VERIFY.
- 7. SOIL BEARING PRESSURE = 1,500 PSF.



à mark revision





1317 Executive Blvd, Suite 200 Chesapeake, VA 23320 (757)622-2828 / fax (757)622-5883



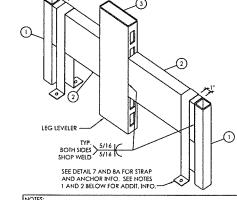


PARATIEIT (S) [EXHIVAL)
26490 SC HWY 121, PROJECT#803780
WHITHELE, SOUTH CHROLING
SEISMIC ANCHORAGE DETAILS - GONDOLA

SA2

SINGLE SIDED UNIT

GONDOLA - GENERAL CONFIGURATION



F ANCHOR IS WITHIN 4" OF CONCRETE SLAB CONTROL JOINT (1/8" WIDE SAWCUT x 1" DEEP MAXIMUM) USE 8B ANCHOR. IF ANCHOR IS WITHIN 4" OF CONCRETE SLAB EDGE OR CONSTRUCTION JOINT USE 8B ANCHOR, ANCHORS ARE NOT ALLOWED WITHIN 2 1/2" OF CONCRETE SLAB EDGE OR CONSTRUCTION JOINT, CONTACT ENGINEER OF RECORD IF CONDITION ENSITY.

9 UPRIGHT ASSEMBLY DETAIL FOR SINGLE SIDED UNIT 10 UPRIGHT ASSEMBLY DETAIL FOR DOUBLE SIDED UNIT NOTICE SCALE

ASSEMBLY DETAILS

BOTH SIDES 5/16 SHOP WELD 5/16

SEE DETAIL 7 AND 8A FOR STRAP AND ANCHOR INFO. SEE NOTES 1 AND 2 BELOW FOR ADDIT. INFO.—

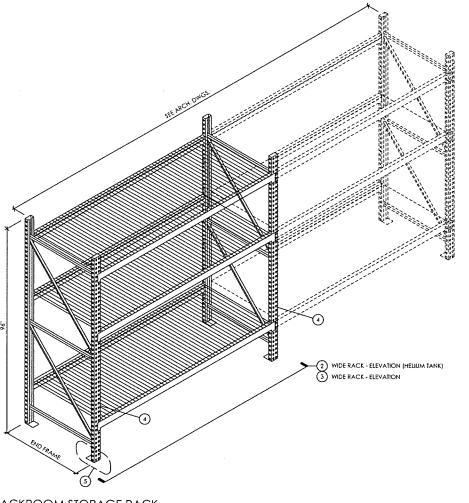
2

IF ANCHOR IS WITHIN 4" OF CONCRETE SLAB CONTROL JOINT (1/8" WIDE SAWCUT x 1" DEEP MAXIMUM) USE 88 ANCHOR.

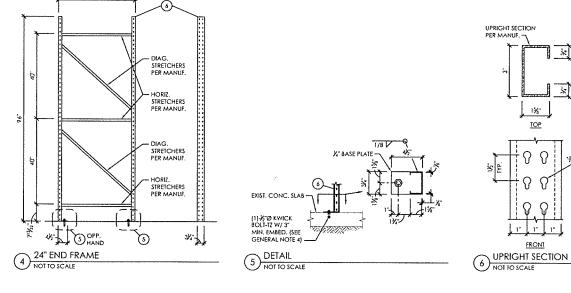
F ANCHOR IS WITHIN A "OF CONCRETE SLAB EDGE OR CONSTRUCTION
JOINT USE BB ANCHOR, ANCHORS ARE NOT ALLOWED WITHIN 2 1/2"
OF CONCRETE SLAB EDGE OR CONSTRUCTION JOINT. CONTACT
ENGINEER OF RECORD IF CONDITION BUSIS.

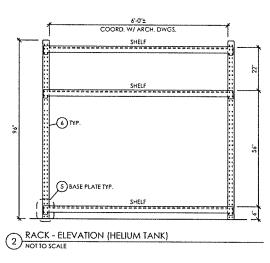
8B ANCHOR

NOT TO SCALE



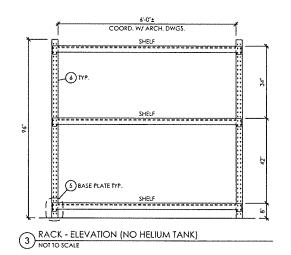






FRONT

SIDE



GENERAL NOTES:

- STORAGE CAPACITY: 24" SHELF MAX LOAD = 300 LBS
- 2. ALL STEEL TO BE Fy = 50 KSI.
- 3. ALL BOLTS TO BE A307 (UNLESS OTHERWISE NOTED).
- ANCHOR HILTI KWIK BOLT TZ (ICC REPORT ESR-1917) OR APPROVED EQUAL.
- SPECIAL INSPECTION IS REQUIRED FOR ANCHOR INSTALLATION.
 CONCRETE 4" THICK x 3,000 PSI. CONTRACTOR TO VERIFY.
- 7. SOIL BEARING PRESSURE = 1,500 PSF.
- CLEAR SPACE BELOW SPRINKLERS SHALL BE A MINIMUM OF 18"
 BETWEEN TOP OF STORED MATERIAL AND SPRINKLER
 DEFLECTOR.



mark revision



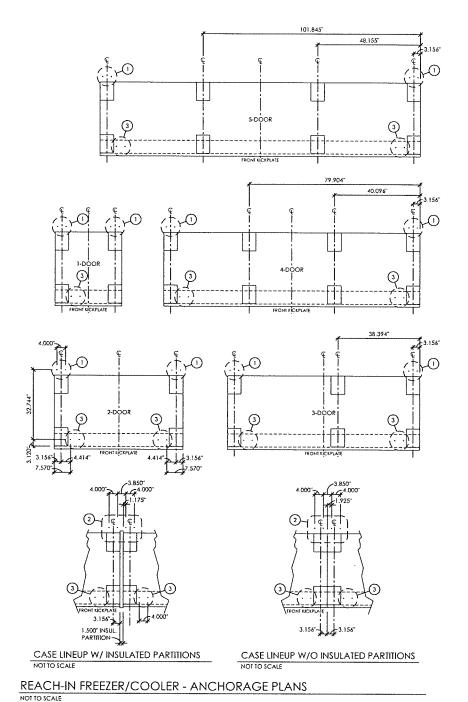


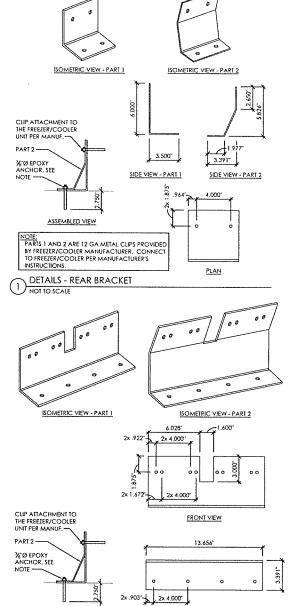






SA3



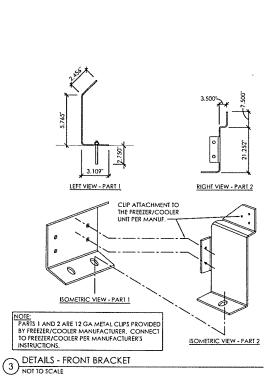


BY FREEZER/COOLER MANUFACTURER. CONNECTO FREEZER/COOLER PER MANUFACTURER'S DETAILS - REAR BRACKET
NOT TO SCALE

TOP VIEW

ASSEMBLED VIEW

NOTE:
PARTS 1 AND 2 ARE 12 GA METAL CLIPS PROVIDED



GENERAL NOTES:

- 1. ALL STEEL ANCHOR CLIPS TO BE ASTM A570 Fy = 50,000 PSI
- 2. ALL BOLTS TO BE A307 (UNLESS OTHERWISE NOTED).
- 3. ANCHOR TO BE EPOXIED TO EXISTING CONCRETE SLAB WITH
 HILTI RE 500-V3 WITH 3" EMEBEDMENT ICC ESR-3814 (LARR
 #26028) OR APPROVED EQUAL.
- 4. SPECIAL INSPECTION IS REQUIRED FOR ANCHOR INSTALLATION.
- 5. CONCRETE 4" THICK x 3,000 PSI. CONTRACTOR TO VERIFY.
- CONCREIG 4" HIGK X 3,000 PSI. CONTRACTOR TO VERIFY.
 SOIL BEARING PRESSURE = 1,500 PSF.
 THE DESIGN ONLY ADDRESSES THE ANCHORAGE OF THE
 FREEZER/COOLER UNITS TO RESIST SITE APPLICABLE SEISMC
 OVERTURNING AND SUDING FORCES. THE FREEZER/COOLER
 UNITS ARE ASSUMED BY THIS DESIGN TO BE ABLE TO TRANSFER
 ALL APPLICABLE SEISMIC FORCES TO THE STRUCTURE OF
 THE FREEZER/COOLER UNITS IS NOT PART OF THIS DESIGN AND
 IF REQUIRED, IS BY OTHERS.

SHELF LOADING LIMIT:

MAXIMUM 80 LBS OF PRODUCT PER SHELF, TYPICAL AT ALL REACH-IN FREEZER/COOLER.

ANCHOR NOTE:

REACH-IN FREEZER/COOLER ANCHORS ARE TO BE 3/6"Ø ALL THREAD ROD. DRILL AND EPOXY TO EXISTING CONCRETE SLAB WITH HILTI RE 500V-3 EPOXY WITH 3" EMBEDMENT,

NO SUBSTITUTIONS ALLOWED

mark

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FALL TITLE (S) ED THAND
26490 SC HWY 121, PROJECT#803780
WITHINES, SOUTH CARGAN
SEISMIC ANCHORAGE DETAILS - FREZENCOGLER

sheet

SA4



NOTE SCRIBACIOR:
DECENTRAS GALL DE SIZZO AND
NETALLED AS INDICATED ON
CONTRACT DOCUMENTS, NO CHANGES
SHALL DE HANCE HITHOUT FROM
HAILIER TO DO SO SHALL RESALT IN
CONTRACTOR REMOVING INSTALLED
SYSTEM AND REPLACING HITH NEW AS
SHOWN AT NO ADDITIONAL COST TO
TEMATI, MIRCE DUCT CHANGES DUE TO
BACK IN INTICATIONS OF
REMINISTRAS SHALL DE ACCEPTABLE.

DUCTHORS, NOTE.

CONTRACTOR SHALL SITE VERIFY EXISTING
MAC UNIT LOCATIONS I POTENTIA.

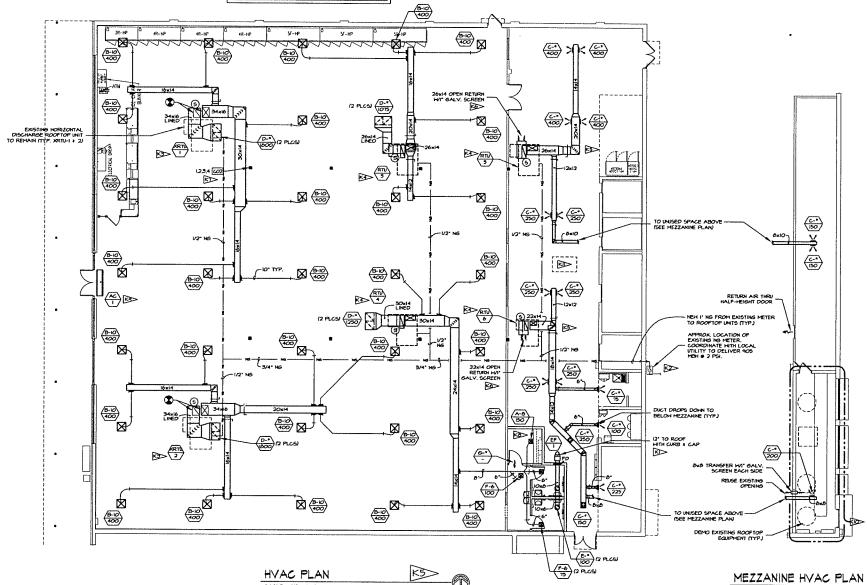
DUCTHORS, COSTRUCTIONS (SPRINKLER LINES,
STRACTREAL BEAMS I JOIST ETC.) PRIOR TO
MARICALTRIA BEAMS I JOINT BETHER
CONSTRUCTION DOCUMENTS I EMSTING
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MOTE: HVAC TEMPERATURE SENSOR: CONTRACTOR SHALL REFER TO THE TEMPERATURE SENSOR MOUNTING DETAIL FOR PLACEMENT AND INSTALLATION INSTRUCTIONS PRIOR TO INSTALLING.

NOTE: IMAC CONTROLS; CONTRACTOR SHALL REFER TO THE EM SHEETS FOR INSTALLATION INSTRUCTION OF RIFE EM SHEETS FOR INSTALLATION INSTRUCTIONS OF RIFE EM SHEETS FOR INSTALLATION INSTRUCTION TO THE SHEET EMPLOYED FOR INSTALLATION OF ALL RESIDENCE FOR INSTALLATION OF ALL RESIDENCE FOR SHEETS SHEETS INDICATE ROOF TOP UNITS. SHEETS IN A SHEET SHEET ALL OTHERS SHEETS SHEETS SHEETS SHEETS SHEETS SHEETS FOR SHEETS SHEET SHEETS ALL OTHERS SHEETS SHEETS CONTRACT THE SHEET ALL OTHERS SHEETS SHEETS CONTRACTOR REPLACING SYSTEM FAILER TO CORPETY HITH THESE INSTRUCTIONS COAD RESILT IN CONTRACTOR REPLACING SYSTEM WITH IN GOAD STORMACTOR REPLACING SYSTEM WITH THE SYSTEM WITH THE SYSTEM SYSTEM WITH THE SYSTEM SYSTEM WITH THE SYSTEM SYSTEM SYSTEM SYSTEM WITH THE

5CALE: 1/8"=1"-0"

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MAINTENANCE OR SEPARE TO



SITE UTILITIES

(DOMESTIC HATER, SEHER, GAS, STORI

- CONTRACTOR SHALL VERIFY POINT OF CONNECTION TO SITE UTILITY SERVICE PRIOR TO COMMERCING INSTALLATION.
- CONTRACTOR SHALL VERIFY EXISTING SANITARY SEMER INVERTIPRIOR TO START OF HORK. IF INVERT CANNOT MEET SLOPE REQUIREMENTS WITH NEW TENANT PIPING, NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
- CONTRACTOR SHALL ADJUST LOCATION AND DEPTH OF BUILDING SERVICES AS REQUIRED TO CONNECT TO SITE UTILITY SERVICE.
- CONTRACTOR SHALL MAKE FINAL CONNECTION TO SITE UTILITY SERVICE (UNLESS OTHER PROVISIONS HAVE BEEN MADE).
- CONTRACTOR'S FAILURE TO PROPERLY COORDINATE SERVICES SHALL NOT BE JISTIFICATION FOR ANY EXTRA CHARGES.

GENERAL NOTES

- A. IMEN REQUIRED, INVAC ROOF CURBS SLOPED TO MATCH ROOF PITCH SHALL, BE PROVIDED BY CONTRACTOR AND ARE NOT PART OF THE NATIONAL ACCOUNT PROVISIONS, REFER TO KEYED NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL IDENTIFY ALL INVAC EQUIPMENT WITH STORE NAME AND UNIT NUMBER USING PERMANENT, HEATHER PROOF 2" HIGH DIE-CUT LETTERS.
- . PROVIDE PROPER CONDENSATE TRAP AND TERMINATE AS REQUIRED BY LOCAL CODE.
- D. ANY PENETRATION THROUGH THE ROOF SHALL BE COORDINATED HITM THE LANGLORD'S FIELD REPRESENTATIVE AND SHALL BE DONE BY A LANGLORD APPROVED ROOFING CONTRACTOR IN ORDER TO MAINTAIN THE ROOFING MARRANTEE. ALL VEN'S SHALL EXTEND A MINIMAM OF 12 INCHES ABOVE ROOF AND SHALL BE A MINIMAM OF 10 FEET FROM ANY CURSIDE AN INTAKE.
- E. ALL DUCT SIZES SHOWN ARE CLEAR INSIDE AIR FLOW DIMENSIONS.
- DO NOT PROVIDE AIR EXTRACTORS OR SPLITTER DAMPERS WHICH PROTRIDE INTO RECTANGULAR TRIAK DUCTS (HHERE USED), PROVIDE ROUND SPIN-IN FITTINGS FOR ROUND BRANCH DUCTS.
- 6. ROUND BRANCH DUCTS (IMERE INDICATED) ARE SAME SIZE AS ATTACHED DIFFUSER NECK SIZE.
- H. DO NOT SUSPEND ANY ITEMS FROM DECK OR SLAB ABOVE, ALL ITEMS SHALL BE SUSPENDED FROM TOP CHORD OF STRUCTURE, UNLESS OTHERHISE NOTED. PROVIDE HISCELLANEOUS STEEL AS REQUIRED.
- HERE CELING SPACE IS NOT SUFFICIENT TO PERMIT TOP CONNECTION TO CEILING DIFFUSER HITH PROPER BEND RADUS FOR FLEXIBLE DUCT, CONTRACTOR SHALL FABRICATE AND/OR PROVIDE AN ADAPTER BOX FOR DIFFUSER TO FERMIT SIDE CONNECTION OF FLEXIBLE DUCT.
- CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL HORK HITH LANDLORD'S FIELD REPRESENTATIVE.
- K. PROVICE SUPPORT FOR PIPING ON ROOF PER LANDLORDS ROOFING CONTRACTORS RECOMMENDATIONS.
- L. HIERE AN OPEN CEILING PLAN IS UTILIZED FOR THE SALES AREA, AIR DEVICES SHALL BE INSTALLED AT 12"-O" AFF., OR COORDINATED HITH LIGHTING INSTALLATION KEIGHT, VERIFY ALL REQUIREMENTS WITH PROJECT MANAGER.
- FOR ENSTING DUCT SMOKE DETECTORS, FIRMSH AND INSTALL A REMOTE ALDIBLEAVISUAL ALARM DEVICE HITH A REMOTE TEST SHITCH BYTSTEN SENEOR SESKED) LOCATED IN AN APPROVED LOCATION AND HIRE EXISTING DETECTORS TO ALARM, FIELD VERIET EXACT REQUIREMENTS, CONTRACTOR SHALL TEST SYSTEM TO INSIATE PROPER FUNCTION PRIOR TO TENANT OCCUPYING SPACE.

HHERE NO EXISTING DUCT SHOKE DETECTOR IS PRESENT, FURNISH AND INSTALL DUCT SHOKE DETECTOR (SYSTEM SENSOR NOHIZO) IN RETURN AR DROP FROM UNIT. FURNISH AND INSTALL A REMOTE AUDIELEMISMA, ALARM DEVICE HITH A REMOTE EXISTING INSTALL MESSON IN RESTAUD LOCATED IN AN APPROVED LOCATION AND HERE DETECTOR TO REMOTE ALARM. FIELD VERRY EXACT REGUIREMENTS, CONTRACTOR SHALL TEST SYSTEM TO INSURE PROPER PRACTION PRIOR TO TENANT OCCUPINES SPACE.

CONTRACTOR SHALL TEST ALL SMOKE DUCT DETECTOR SYSTEMS TO INSURE PROPER FUNCTION PRIOR TO TENANT OCCUPYING SPACE,

N. SMACHA EQUIVALENT ROAD DUCT 92ES MAY DE SUBSTITUTED FOR THE RECTANGULAR DUCT 5/2ES INDICATED ON THE PLANS. ALL DUCT, INSULATION, AND OTHER NATERIALS AND SPECIFICATIONS SHALL BE FER FLANS. EQUIVALENT 5/21NB SHALL DE REST MEMER STANDARD 5/2E PROM DUCTILATOR SZÍNB (E.G. MAY2: 135 ROAD -1/5E H INCH ROAD). SUBSTITUTION SHALL BE OF NO ADDITIONAL COST OR TIME TO THE TENNIT DELIVERY, CONTRACTOR SHALL BEAR ANY COST SURPOSE INCURRED FOR DESIGN CHANGES TO PLANS FOR CODESINGERCTIONS.

KEYED NOTES

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

EXTEND 10" EXHAUST DUCT UP THRU ROOF AND TERMINATE HITH CURB 1 CAP.

> NATURAL GAS SERVICE I METER ARE EXISTING TO REMAIN PROVIDE NEH NATURAL GAS PIPING FROM EXISTING METER UP EXTREMENT HALL AND ONTO ROOM AND TO ALL ROOM FOO UNITS. COORDINATE WITH LOCAL UTILITY TO DELIVER GOS TOTAL MEN & 2 PSI.

EXISTING NYAC INIT. CIRB AND ROOF OPENING ALONG HITH DUCT ABOVE ROOF AND DONN THRI CIRB TO REHAIN CONTRACTOR SHALL SERVER IN ACCEPTABLE FOR RELOW AND PROVIDE AND INSTITUL REHA ACCESSORIES AND CONTRACTOR SHALL SERVER IN ACCESSORIES AND LINES AND THE PROVIDED OF THERE SHALL RESIDENCE CONTRACTOR HEND DUCTS TO SOSTING DUCT DEPOSITION DUCTS FROM DUCTS FROM THE PROVIDED OF THERE SHALL RESIDENCE AND THE PROVIDED OF TH

THE FOLLOHING MODIFICATION AND RE-CONDITIONING EFFORTS SHALL BE ACCOMPLISHED TO THE EXISTING HVAC COMPONENTS BEING RE-USED. VERIFY LANGLORD MARRANTY ISSUES WITH FINAL LEASE AGREEMENT PRIOR TO STAR OF WORK.

INVAC UNITS. THEN KEEPING DISTING PECHANICAL UNITS, IN-EDIATELY UPON ARRIVAL ON LOB SITE CONTRACTOR
SMALL NEPECT, SERVING AND TISTS ENGINES AIR CONDITIONNES SYSTEM COMPLETELY INCLUDING, BIT NOT LIMITED TO
SMALL NEPECT, SERVING AND CONTRACTOR AIR CONDITIONNES SYSTEM COMPLETELY INCLUDING, BIT NOT LIMITED TO
AND REPLACING PAND BELTS AND HORN SERVINGS IN FERDINGS OF EXPORTANTON AND CONDITIONS FANG. AND
PAN HOTORS, CLEANING AND COMBINE EVAPORATION AND CONDITIONS FANG. AND
PAN HOTORS, CLEANING AND COMBINE EVAPORATION AND CONTRACTS IN CASE IN CASE IN CONTRACT
PROPER OFFERATION (AND EXECUTIVE CHECKING COMPLETS) AND REVERSING VALVE AS APPLICABLE), CHECKIN
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ADJIST PANS, SERVING AND SETTINGS AS INDICATED. PROVIDE CONTRACTS NEH AS INDICATED ON SCHEDULE, INITION
SYCULO ANY REPAIRS OF REGISTED, CONTRACTOR SHALL INVESTIGATION AND DISCREPANCE OF ANY SERVING AND AND COMPLETE COST ON A PROPER SERVING FROM THE ANY SERVING AND AND AS COST
HANDAGEN AND OR OWNERS REPRESENTATIVE AND SIGHT IN A PRITTEN REPORT AS TO THE CONTRION AND A COST
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- CONTRACTOR SHALL INSTALL NEW TENANT PROVIDED HVAC UNIT. CONTRACTOR TO PROVIDE ROOF CIRB AS INDICATED ON PLANS, SCHEDULE AND NOTES, PROVIDE NEW OFFINIS AND STRUCTURAL SUPPORT AS SHOCKN ON STRUCTURAL DRAWNINGS, PROVIDE PLLL SIZE DUCT DROPS TO BOTTOM CHORD OF STRUCTURE. CONTRACTOR SHALL PROVIDE AND INSTALL NEW DUCTHORY, CONTROLS, AND ACCESSORIES AS INDICATED ON THE PLANS, SCHEDULES, AND
- SO CONTRACTOR SHALL LOCATE BOTTOM OF STOCK ROOM DICTHORK 17-07 MIN ABOVE STOCK ROOM FLOOR ADVORSULENTS. AN DEVALUTION THIS DIMENSION DUE TO INTERFEDUCE HITH ANY BUILDING OBSTRUCTIONS SUCH STRUCTURE, OVERFEAD DOORS, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE DISINEER PRIOR TO FARRICATION DICTHORK.
- COVER OPEN END OF RETURN DUCT WITH I' MESH HARDWARE CLOTH IN A REMOVABLE METAL FRAME. SEE DETAIL SHEET MP2.
- TENANTS CONTRACTOR SHALL INSTALL TENANT VENDOR PROVIDED CO2 SENSOR ON COLUMN AT 6'-0' A.F.F. THIS SENSOR SHALL CONTROL XRTU-I & 2 AND RTU-3 & 4. SEE EM SHEETS FOR MORE INFORMATION.
- ADJUST DIFFUSER FOR FULL VERTICAL DISCHARGE INTO OFFICE BELON
- CONTRACTOR SHALL INSTALL AIR CURTAIN AND CONTROLS AS INDICATED ON THE PLANS AND SCHEDULE.
- DO EXISTING FAIS, HYAC, ETC. FROM MEZZANINE EQUIPMENT ROOM IS TO BE REMOVED BY LANDLORD INCLUDING PATCHING OF WALLS, ROOF, ETC. CONTRACTOR SHALL VERIFY CLOSURE AND INCLUDING PRACE AND PROVIDE NEW BRANCH DUT. AND TRANSFER





by description

mark date



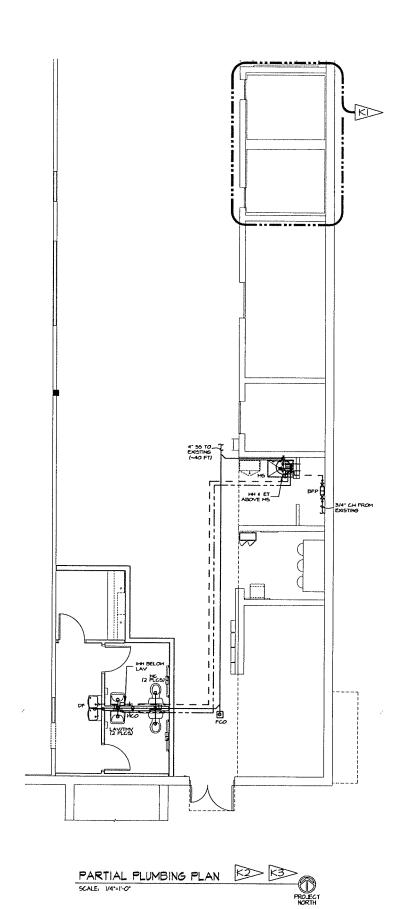


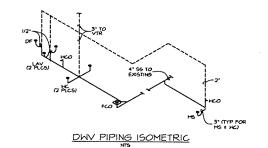


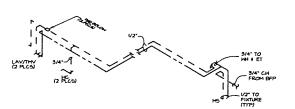




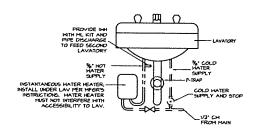
MP-I



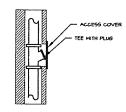




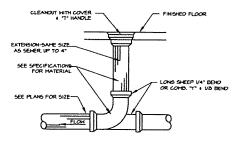
CW & HW PIPING ISOMETRIC



INSTANTANEOUS WATER HEATER DETAIL NTS



TYPICAL WALL CLEANOUT DETAIL



FLOOR CLEANOUT DETAIL

MARK	PIXTURE TYPE	HANLFACTURER	Flx	TUPE C	CHECT	K715	RPHARKS
	TIMORE TITE	MODEL NO.	CH	194	н	٧	, Dunes
BEP	BACKFLOH PREVENIER	HELKING 475XLS2-AG (LEAD FREE)	LINE SIZE				REDUCED PRESSURE TYPE, INTEGRAL, SHJT-OFF VALVES COMPLYING HITH ASSE IOIS, PROVIDE H INLET HITE STRAINER AND AIR GAP FITTING
	BI-LEVEL HANDICAP DRINKING FOUNTAIN	ELKAY MODEL No. EHABFTLDOLG NON-REFRIGERATED	vz		ינטי	NJ.	FURNISH STANDARD CABNET FINSH FOUNTAIN SUPPLY STOP I TUBE, DRAIN KIT, AND HALL HANSER KIT
£I	EXPANSION TANK	HATTS HODEL PLT-5	341	-			FDA APPROVED, POTABLE HATER EXPANSION TAI 21 GALLON ACCEPTANCE
	RETANTANEOUS NATER HEATER	EEHAX HOOEL NO. 594206 HITH HULT-LAV KIT	3/8.	3/6*	-		RARUSH 2004, 41 EH INSTANTANEOUS HEATER, SE TO IOS DEGREE LEAVING TEMPERATURE
25	FLOOR HTD. HOP SINK	ZURN MODEL 21996-36	VZ	V2*	3"	r	FURNISH SINK, ZURN MODEL NO. ZEMBHI SERVICE SINK FALCET HITH BULT-IN VACUUM BREAKER, HOSE AND BRACKET, MOP HANGER, AND DRAIN KI
LAY	HANDKAP HALL HING LAVATORY	ZURN HODEL NO. 25344 HITH VZ GPN FLOH RESTRICTOR, GRID DRAIN. FAUCET HOLES ON 4" CENTERS	v2*	vz	3 V2*	1/2"	FIRNSH LAVATORY, ZURI 256500-X. LEAD FREE HETERING FALLET, MALL HANGER XIT, SUPPLY STOPS + TUBES, GRAIN, AND ADA PIPMS PROTECTION
D±Y	HIXING VALVE	51784045 HODEL 7-725-CK-F	vz	νz			1/2" TEMPERED CUTLET, MAX CUTLET TEMP, 105°F ACCORDINCE HITH ASME A12181, ASSE 10TI AND 10TO, AND 165°/ANSI 61.9 1 372.
HC.	HAMOICAP HATER CLOSET	ZEN MODEL Z5560 IT H ELOMATED PRESSURE ASSIST 16 6PF.	1/2*		3-	r	FURNISH ADA CLOSET & TANK, ADA OPEN PROMT SEAT, SELF SUSTAINING HINCE FLOOR PLANSE CLOSET BOLTS & CAPS, HAN RING, SUPPLY STOP & TIDE, FILISH CONTROL MIST BE LOCATED ON THE HOSE/ACCESS SDE OF THE HC BODE OPPOSHTE THE HALLI.
HEQ	HALL CLEAROUT	2.FN HODEL #2-1446			LINE SIZE		RAISED HEADPLUG POLISH 5.5. COMER I VANDAL PROOF SCREM
HE	BLECTRIC HATER HEATER	BRADFORD HHTE MODEL NO. RESCUS HITH GATEY 340TH CRAIN PAN AND ZIRN VIRO VACIUM RELIEF VALVE	314-	3/4-		-	FURNISH 10 GALLON SHORT HATER HEATER, 120V/ 2000 H ELEMENT HITH T & P RELIEF VALVE AND INTEGRAL HEAT TRAPS.

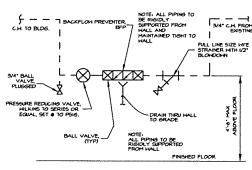
INCIDAL ALL PLANDS FIRMEDS TO BE PILLY ACCESSIBLE TO NOTIONALS HITH DESAULTES IN ACCOUNTE HITH LATEST ESSE OF THE AFFRANCIA HITHDESHALTES ACT AND ALL LORSON STATE AND LOCAL CODES. PROVIDEN ACCESSIBLET AND USABALITY FOR PRISCALLY PROMOPE FEORLY MODINE CODES, NULLIONED BE INTELLIBED STATUSES SEARCHENT, TRAIN & FITTINGS SHALL COMENT WITH LOCAL, STATE, AND FEDERAL REQULATIONS AND COMENT REPRESENT IN FINISHMENT OF WHITE AND DESERT CONCERNATION CODES. THE SCHOLLED ANDORS FEDERAL PROPERTY FOR PURPOSE FURLISCS AND COMPANY REPRESENT IN FINISHMENT AND ANALL BE THE SMASS FOR THE CONTRACTORS SINCE BUT THE SCHOOL FOR ALL PROVIDED AND AND ALL PROVIDED AND AND ALL PROVIDED AN

KEYED NOTES

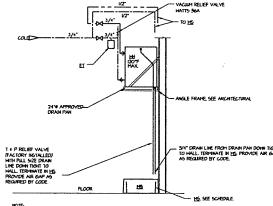
CONTRACTOR SHALL REMOVE ALL EXISTING PLUMBING FIXTURES IN THIS AREA AND CAP ALL PIPING AT FLOOR LEVEL.

REMOVE EXISTING TOILET FIXTURES, ORAINS, PIPING, ETC. COMPLETE. INSTALL NEW TOILETS PER REMAIT PLANS. CONNECT NEW TOILETS TO EXERTING COLD MATER SEPREY, AND SANTARY SEMEN, ALL EXISTING ORAINS, VERTS, AND SUPPLY PIPING SHALL ER REMOVED, COMPLETE TO ABOVE CELLINGS, INGICE MALLS, AND BELOW FINISHED PLOOR AND CAPPED. PIPING REMAINING SHALL NOT INHEIT THE USE OF PIPING TO REMAIN.

CONTRACTOR SHALL OBTAIN A COPY OF ALL PLIMBING SPEC SHEETS PRIOR TO INSTALLATION.



BACKFLOW PREVENTER DETAIL



note; All hater piping ingice building shall be insulated per specifications sheet mps.

EXPANSION TANK (EX) TO BE HOLMTED ON COLD HATER LINE, ON THE TANK SIDE OF THE COLD HATER SHITOFF VALVE.

WATER HEATER DETAIL NOT TO SCALE



mair dale by description revisions









26490 SC HWY 121, PROJECT#803780
WATHAL SOUTH CAROLINA
PARTIAL BURNES PARK SCRUES
PETALS, ISOPERINGS & KEYED NOTES

MP-2

								EXISTING ROO	OFTOP UNIT	SCHEDUL	E (ga	os heat/elec	. cool)						
HARK	HEGMODEL	DISCHARGE	TONE	ESP			CEM (NAX)		NET COOLING C	APACITY MENU SENSIBLE	幽	HEATING FUEL	HEATING (OVIENT		ELECTRICAL VOLT / PH / HZ	HCAV HCCP	ACCESSORIES	UNIT HEIGHT (L95)
NALE I	KP R66470	HORIZONTAL	ю	۵	4000	400	1000	64 716 60 700 100 F AHEIENT	124,1	46.2	111	NATURAL GAS	180	148	52	206/3/60	50/60	13,456,78	EXISTING
XRIV-2	KP R65120	HORIZONTAL	ю	ıø	4000	400	10000	84 76 80 700 195 F AHBIÐN	124.1	96.2	IH	NATURAL SAS	150	145	82	208/3/60	50/60	13,456,76	EXISTING

Full perimeter insulated Roof Curb or adapter Curb as required, sloped per Roof requirements for level unit installation 7. Drain pan overflom smitch for unit shit-down

CCESSORIES PROVIDED BY TENANT FOR TENANT CONTRACTOR INSTALLATION:

. CO2 DEMAND CONTROL VENTILATION. OA MIN. OPEN POSITION SHALL BE THE MIN, AND SHALL MODULATE OPEN UP TO THE MAX. TO MAINTAIN MAXIMUM CO2 LEVELS IN THE BREATHINS AREA OF LODO PRIN RELATIVE TO THE OA AMBIENT.
DIFFERENTIAL ENTRALPY ECONOMIZER NITH BAROMETRIC RELIEF

. INSTALL EMS CONTROLS PACKAGE

LOWERED CONDENSER COIL GUARDS

. UNIT MOUNTED NON-POWERED HEATHERPROOF OFCI OUTLET D. UNIT MOUNTED DISCONNECT SHITCH

NOTE:

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STARTUP AND WARRANTY WORK, VERIFY ELECTRICAL POWER PRIOR TO INSTALLING UNITS, FAILURE TO DO SO SHALL RESULT IN
CONTRACTOR PRINISHING CORRECT UNITS OR POWER AT NO ADDITIONAL COST TO TENANT. OUTSIDE AIR QUANTITIES BASED ON ASHRAE 621-2004 TABLE 6-1 BUILDING AND PEOPLE
COMPONENTS FOR AN ENGINEERED VENTILATION SYSTEM EMPLOYING A CO2 MONITORING SYSTEM.

								RTU PRO	ADED BY TENAN	IT FOR INSTALL	ATION E	at/elec. cod	i)						
HARK	HIGHOOR DISCHARGE TORK ESP CHY CHY INN CHYNNX CHYNNX CONTROL AR DITERING AR LECTIONS AR LE																		
RTU-5	CARRIER 48HCEACT	DOHNFLOH	6	۵۱	2400			BY THE BY THE	15.2	56.4	120	NATURAL GAS	125	103	52	208/3/60	36.050	13,456,78	400
RTV-4	CARRER 48HCEDOB	DOHELOH	15	פו	2500	300	150	SOF DE 61'F HE	43.3	72.2	120	NATURAL SAS	180	148	82	208/3/60	426/50	IBASATA	1050
R10-5	CARRIER 48HCEACH	DOHNFLOH	6	ю	2400	500	500	BH TTO BO TOO	75.2	56.4	12.0	NATURAL GAS	125	103	52	208/5/60	30.150	145670	400
RIV-6	CARRIER 406CEA06	DOHNFLOH	5	19	1800	300	500	BOT DO STE HO	60.4	40	6.2	NATURAL GAS	115	925	82	208/3/60	28.4/40	145678	800

FULL PERMETER INSULATED ROOF CURB OR ADAPTER CURB AS REQUIRED, SLOPED PER ROOF REQUIREMENTS FOR LEVEL UNIT INSTALLATION.
DRAIN PAN OVERFLOM SHITCH FOR UNIT SHIT-DOWN

(10)

11,636

3,910

ACCESSORIES PROVIDED BY TENANT FOR TENANT CONTRACTOR INSTALLATION.

. COZ DEMAND CONTROL VENTILATION, OA MIN, OPEN POSITION SMALL BE THE MIN, AND SHALL MODULATE OPEN UP TO THE MAX, TO MAINTAIN MAXIMUM COZ LEVELS IN THE BREATHING AREA OF LODO FRH RELATIVE TO THE OA AMBIENT.
DIFFERENTIAL ENTIMALP ECONOMIZER WITH BAROMETRIC RELIEF

INSTALL EMS CONTROLS PACKAGE

. LOWERED CONDENSER COIL GUARDS

XRTU-1 XRTU-2 RTU-3 RTU-4

I. UNIT MOUNTED NON-POHERED HEATHERPROOF OFCI OUTLET B. UNIT MOUNTED DISCONNECT SHITCH

RETAIL

SALES

STOCK

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STARTUP AND HARRANTY HORK. VERIFY ELECTRICAL POWER PRIOR TO INSTALLING UNITS, FAILURE TO DO SO SHALL RESULT IN
CONTRACTOR FIRMINGHING CORRECT UNITS OR POWER AT NO ADDITIONAL COST TO TENANT. OUTSIDE AIR QUANTITIES BASED ON ASHRAE 621-2004 TABLE 6-1 BUILDING AND PEOPLE
COMPONENTS FOR AN ENGINEERED VENTILATION SYSTEM EMPLOYING A CO2 MONITORING SYSTEM.

Area OA Rate

0.12

Paopia OA RoLe

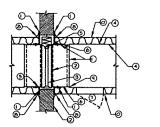
00

		EXH.	aus:	r fan	SCHE	DULE	
	CONT	RACTO	OR PR	OVIDED,	CONTRA	CTOR INSTALL	LEO
HWRK	MFR/MODEL	CFM	RPH	H HS.		ELECTRICAL V/PH/Hz	ACCESSORIES
EF-1	YORKUPEN BARRY CIEHTDA	200	1354	050	TIH	115 /14 / 60	1, 2, 3, 4, 5, 7
KCCE5	s ories/options	2. 3. 4. 5. 6.	2. BA PLUS SPEED VIEW CONTE STARTS	CKORAF DISCON CONTRI TION ISC ROLLED FAN AT	OLLER BLATICH I BY LINE Y DO'T AL INTERLO	R MOUNT KIT WOLTAGE THE NO STOP FAN	

OK			r provide			
			MATERIAL	DEVICE	HOMING	TYPE
٨		51200A	STEEL	12" × 12"	LAY-9N	9JPPLY
Ð	SALET	51200	STEEL	24" X 24"	LAY-IN	SUPPLY
C	BALEY	T64	STEEL	12" X 10"	DUCT	SUPPLY
D	BALLY BALLY	CRESCO	ALIMNH	24" X 24"	LAY-IN	RETURN
£	W.Y	TICO	STEEL	D- X D-	SURFACE	EXHAUST
F	23	51200	STEEL	12" X 12"	LAY-IN	SUPPLY
6	E SE	ADXFR	ALIMENUM	24" X 16"	SURFACE	DOOR 6R
NOTE	PROV	NOE TYP	E C DIFFUS	ERS HITH C	AMPERS	

ADILLE DEGISTED & DIEEIKED GOVERNE

			AIR CURTA						
			D BY TENANT FOR	HOTAL	ATION BY	CONTACTO	R		
MARK	HFR.MOOR	CUTLET VELOCITY		CFM	HEATING	CAPACITY	HCAMOCP	ELECTRICAL	ACCESSORIES
		(FPH)	BELOH (PPH)		EM	MEDH	ranu	V/PH/Hz	-
AC-1	POHERED AIRE EVE-2-12	5262	784	1965	-	-	BBA TOTAL	120//60	12,45678,9
ACCES:	SORY OPTIONS: L	MEETS ECC BALD	RNG CODE ALLOHO OR SHTCHES AND	S ANG	A CERTIFIE	D AR CUR	TAN IN LESI	of vestibule	
	î.		RHOSTAT AND TH			Z) ZELAL	~		
	4.	REHOTE HOUNTED	VARIABLE SPEED	ONOFF	SHITCH				
	5.	SINGLE POINT POP	ER CONNECTION						
	6.	CLEANABLE HIRE							
		EC PROVIDE DEC	ONECT SHITCH D	15COH	ECT SHITC				
	ã.	MOUNT UNIT HETH O	OKEALED FASTER					CKET AS REQU	IRED.



I-I/2" x I-I/2" x 16 GA. RETAINING ANGLE ALL FOUR SIDES, FASTEN WITH 10 SHEET HETAL SCREME, 8" ON CENTER, ASSETBLY, THIST BE SELF-SUPPORTION INDEPENDENT OF DUCTHORIC, ANGLES HOST LAP STRUCTURE OPENINGS A MINITUM OF IT AND COVER CORRESS OF OPENINGS.

(2) UL 555 FIRE DAMPER ASSEMBLY.

REFER TO MECHANICAL SPECIFICATIONS FOR MAXIMUM PROTRISION OF FIRE DAMPER BLADE/SUPPORT ASSEMBLY INTO AIR STREAM.

(4) SHEET METAL DUCTHORK,

GLEARANCE BETHEEN HALL AND SLEEVE 1/8" PER FOOT OF DAMPER HIDTH OR HEIGHT, HINHAM OPENING 1/4", MAXIMAM OPENING 1/8" PER FOOT, CLEARANCE CAN BE ON EITHER SIDE, TOP OR BOTTOM.

SLEEVE MUST NOT EXTEND MORE THAN 6" FROM FACE OF MALL
 OLCT ACCESS DOOR.

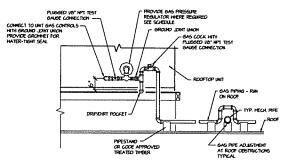
STOP RESULATION AT HALL BOTH SIDES, AND SEAL WITH TAPE TO HALL.

9 5-JOINTS, SLEEVE TO DUCT. O EXTERNAL HRAP INSULATION.

D DAMPER SLEEVE

2 RATED WALL CONSTRUCTION

VERTICAL FIRE DAMPER DETAIL



DOAS / 52 / HZ

ROOFTOP UNIT GAS PIPING DETAIL

VENTILATION AR CALCULATIONS

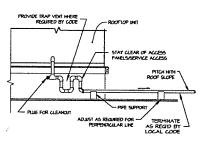
(MACCOC #3)

464

10

TYPICAL ROOFTOP UNIT INSTALLATION

Breathing Zane Air Zone System Oxidoor Oxidoor CA Riou Ell. Airliou Ell.



Total OA Delivered

(CFM)

600

Volution

3362

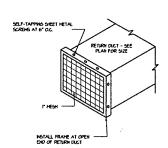
08

CONDENSATE DRAIN (SEE DETAIL THS SHT)

UNI OA Delivere

(CF+0

ROOFTOP UNIT CONDENSATE PIPING DETAIL NTS



REMOVABLE METAL FRAME DETAIL NOT TO SCALE



mark revision

7 7 8

1317 Executive Blvd, Suite 200 Chesapeake, VA 23320 (757)522-2828 / far (757)522-6883

[7] AND THE CONTROLL SEASON SCHOOL SCHOOL SCHOOL SCHOOL SEASON SCHOOL SCHOOL SEASON SC

MP-3

- I. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO PROPERLY INSTALL AIR CONDITIONING SYSTEMS WHERE SHOWN ON DRAHINGS AND AS SCHEDULED.
- 2. PROVIDE EQUIPMENT AS SPECIFIED TOGETHER WITH ALL NECESSARY DUCTS, GRILLES, REGISTERS, CONTROLS, PIPING, LON VOLTAGE FANS, CONTROL WIRING, HANGERS, STANDS, EQUIPMENT SUPPORTS, FLASHING AT EQUIPMENT, DUCT AND PIPE INSULATION. UNLESS OTHERWISE NOTED
- 3. RELATED WORK BY OTHERS: PAINTING EXCEPT AS HEREIN SPECIFIED.
- b. LINE VOLTAGE HIRING AND CONDUIT
- C. ELECTRICAL SUPPLY CONNECTION TO EQUIPMENT.
- B. ALL WORK SHALL CONFORM TO ALL FEDERAL, STATE AND LOCAL CODES AND ANY LANDLORD REQUIREMENTS AS SPECIFIED IN THE EXECUTED LEASE ARREPEMENT, CONTRACTOR SHALL YERRY AND COORDINATE SCOPE OF WORK WITH TENANT AND LAND CONTRA
- C. THE CONTRACTOR SHALL EXAMINE THE PREMISES AND VERIFY THE EXISTING CONDITIONS UNDER NHICH HE WILL BE COLLIGATED TO OFERATE IN PERFORMING HIS PART OF THE HORK OR THAT HILL IN ANY MANNER AFFECT THE HORK UNDER CONTRACT, NO ADDITIONAL COMPRISATION SHALL BE PROVIDED FOR CONDITIONS FOUND DURING THE EXECUTION OF CONTRACTED HORK. THE CONTRACTOR SHALL COOPERATE HITH ALL CHIER TRADES SO THAT THE INSTALLATION OF ALL EQUIPMENT HAY BE PROPERLY COORDINATED. CONTRACTOR SHALL BRING TO THE ATTENTION OF THE CONSTRUCTION HAY MARKET ANY DISCREPANCIES BETWEEN FIELD CONTITIONS AND DESIGN DOCUMENTS.
- D. ALL EQUIPMENT FIRNISHED SHALL FIT THE SPACE AVAILABLE, WITH CONNECTIONS, ETC., IN THE REQUIRED LOCATIONS AND WITH A DEQUATE SPACE FOR OPERATING AND SERVICING, SHOULD A CONFLICT EXIST BETWEEN THE DRAININGS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE CONSTRUCTION MANAGER HOSE DECISION SHALL BE FINAL, NO ALLOHAVE HILL BE MADE, SUBSEQUENTLY, IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR AFTER MADE ONE THE CONTRACT OF THE CONTRACTOR AFTER AWARD OF THE CONTRACT.
- E. ALL MECHANICAL EQUIPMENT SHALL CONFORM WITH THE REQUIREMENTS OF THE STATE MECHANICAL CODE, THE STATE BUILDING CODE, THE STATE ENERGY CODE, NEPA 40A, 46.101 AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- F. DRAHINGS FOR MECHANICAL HORK ARE DIAGRAMMATIC SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS.
 REFER TO MANUFACTURERS STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS AS REQUIRED, FURNISH AND INSTALL DUCTWORK, CONNECTION ACCESSORIES, OFFSETS AND MATERIALS NECESSARY TO FACILITATE THE SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED, CONTRACTOR SHALL OBTAIN ALL NECESSAR PERMITS AND PAY ANY ASSOCIATED FEES
- G. THE CONTRACTOR SHALL INSTALL ALL PIPING, DUCTWORK, FIXTURES AND EQUIPMENT AS REQUIRED TO CONFORM THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE CEILING HEIGHTS AND HEADROOM AND
- H. THE CONTRACTOR SHALL INSTALL MECHANICAL SYSTEMS AS SHOWN I. THE CONTRACTOR SHALL INSTALL MECHANICAL SYSTEMS AS SHOWN, NOTED AND SPECIFIED. EQUIPMENT HAY NOT BE SUBSTITUTED UNLESS HAITTEN APPROVAL BY THE ENGINEER OR TENANT'S REPRESENTATIVE IS OBTIMATED. ANY UNAUTHORIZED CHANGES SHALL BE REMOVED AT CONTRACTOR'S EXPENSE IF DEEPED NECESSARY BY ENGINEER OR TENANT'S REPRESENTATIVE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REGURED CHANGE TO RELATED HORK CANSED BY THE SUBSTITUTION OF ANY ITEMS OF MATERIALS OR EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

WHERE EXISTING HVAC COMPONENTS ARE TO REMAIN FOR REUSE. CONTRACTOR SHALL MODIFY, SERVICE, ETC. PER PLANS,

- A. CONTRACTOR SHALL COORDINATE THE DELIVERY, RECEIVING STORAGE, RIGGING, HOISTING, INSTALLATION AND START UP OF HEATING AND COOLING UNITS INCLIDING ALL ACCESSORIES AS SCHEDULED AND AS INDICATED ON THE DRAWINGS.
- B. HVAC UNITS SHALL BE FURNISHED COMPLETE WITH CASING REFRIGERATION SYSTEM, HEATING SECTION (AS SCHEDULED ON DRAHINGS), FANS, MOTORS AND DRIVES, FILTERS, AUTOMATIC CONTROLS, AND OPTIONS AND ACCESSORIES AS SCHEDULED ON

SCHEDULES, AND NOTES

STAGES OF HEATING (MHERE APPLICABLE), ANTI-RECYCLE TIMER FIVE (5) MINUTE COMPRESSOR STAGING RELAY, AND OTHER ITEMS AS SCHEDULED ON DRAWINGS

D. SEQUENCE OF OPERATION

I. OCCUPIED HOURS

- Unit cutdoor air damper shall open to its minimum position and unit supply fan shall operate continuously.
- b. FOR UNITS CONNECTED TO THE CO2 SENSOR SYSTEM, UNIT OUTDOOR AIR DAMPER SHALL MODILATE FROM ITS MINIMM SCHEDULED POSITION TO ITS MAXIMM SCHEDULED POSITION IN RESPONSE TO SPACE MOUNTED CO2 SENSOR (BY OTHERS) SET AT 800 PPM.
- c. UNIT HEATING SHALL ENGAGE CYCLING COMPRESSORIS). HEATING (HEAT EXCHANGER COMPRESSOR (HEAT PLMP) AND ELECTRIC HEAT AS EQUIPPED) AND SHALL STAGE TO MAINTAIN

2 INOCCUPIED HOURS

- a. Unit cutdoor air damper shall remain closed and unit supply fan shall cycle on a signal from space sensor
- HEATING (HEAT EXCHANGER, COMPRESSOR (HEAT PUMP), AND ELECTRIC HEAT AS EQUIPPED) AND SHALL STAGE TO MAINTAIN

Unit Economizer Cycle (imere Eguipped) shall be initiated upon a signal from Outdoor and return air temperature and enthalpy sensors. Outdoor air damper, return air damper, and unit

4. SMOKE ALARM (HHERE REQUIRED).

a. UNIT OUTDOOR AIR DAMPER SHALL CLOSE AND UNIT SUPPLY FAN SHALL STOP ON A SIGNAL FROM DUCT SHOKE DETECTOR, DUCT SHOKE DETECTOR SHALL SEND A SIGNAL TO REMOTE ALARM

GRILLES, REGISTERS AND DIFFUSERS

- A. THE CONTRACTOR SHALL PROVIDE GRILLES, REGISTERS AND DIFFUSERS WHERE INDICATED AND AS SCHEDULED ON THE DRAWINGS.
- B. GRILLES, REGISTERS AND DIFFUSERS SHALL BE PROVIDED WITH OPPOSED BLADE VOLUME DAMPERS AS SCHEDULED ON THE
- C. GRILLES, REGISTERS AND DIFFUSERS SHALL BE PROVIDED WITH FRAME TYPES TO MATCH THE SURFACE INTO WHICH THEY WILL BE
- D. GRILLES, REGISTERS AND DIFFUSERS SHALL BE PROVIDED HITH FACTORY APPLIED WHITE FINISH
- E. DESIGN IS BASED ON PRODUCTS MANUFACTURED BY TITUS.
 PRODUCTS OF EQUIVALENT PERFORMANCE, CONSTRUCTION AND APPEARANCE MAY BE SUPPLIED.

EXHAUST FANS

- A. THE CONTRACTOR SHALL PROVIDE EXHAUST FANG WHERE INDICATED AND AS SCHEDULED ON THE DRAWINGS.
- B. INLINE EXHAUST FANS SHALL BE FURNISHED WITH VIBRATION ISOLATING HANGARS AND ALL RELATED HARDWARE.
- C. ALL EXHAUST FANS SHALL BE FIRMISHED WITH BACK DRAFT DAMPER, INSECT SCREEN, MOTOR AND DRIVE, AND OPTIONS AND ACCESSORIES AS SCHEDULED ON DRAWINGS.

- A. ALL DUCTHORK SHALL BE CONSTRUCTED OF GALVANIZED STEEL SHEET METAL AND BE FABRICATED ACCORDING TO THE LATEST EDITION OF THE SHACKAN HAVAC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTHORK.
- B. ALL ELBOWS SHALL HAVE PROPER RADIUS OR CONTRACTOR SHALL PROVIDE TURNING VANES AS REQUIRED BY SMACHA DICT CONSTRUCTION MANUAL.
- C. ALL DUCT CONNECTIONS TO EQUIPMENT SHALL BE LOADED TYPE VINYL, VIBRATION ELIMINATION CONNECTIONS, (FC) FLEXIBLE CONNECTIONS.
- D. FLEX DUCT, PROVIDE FACTORY ASSEMBLED CLASS I AIR DUCT UL
 101 WITH FIBERGLASS INSULATION AND REINFORCED CUTTER
 PROTECTIVE COVERN/APOR BARRIER FLEX DUCT SHALL HEET INFPA
 40A WITH FLAME SPREAD UNDER 25, SHOKE DEVELOPED UNDER 50,
 AND SHALL BE RATED FOR I'N LC. PRESSURE AND 0 TO 250 DEGREE
 TEMPERATURE. MAXIMUM LENSTH SHALL BE 51-07, IMPINIMUM CENTER
 LINE BEND RADIUS SHALL BE I 1/2 DUCT DIAMETERS, VAPOR
 BARRIER SHALL BE SEALED AT EACH END AFTER CANECTION TO
 DUCT AND AIR DEVICE.
- E. ALL NEW SUPPLY AND RETURN DICTHORK SHALL BE INSULATED, NO EXCEPTIONS, INSULATE WITH EXTERNAL DUCT WARP OR WITH SHOP APPLIED DUCT LINER, DUCT WARP SHALL BE FOIL REINFORCED KRAFT FACING, ALL INSULATION SHALL MEET NFPA GAD FLANE SPREAD WIDER 50, THICKNESS, DENELLY, AND SHANKE GRAND EVELOPED WIDER 50, THICKNESS, DENSITY AND "R" VALUE SHALL BE PER CODE, INSULATION SHALL BE FASTENED TO DUCTHORK PER MANUFACTURER'S INSTRUCTIONS AND SMACNA STANDARDS, ROUND BRANCH DUCTHORK SHALL BE INSULATED WITH I' THICK FIBERGLASS SLEEVE WITH FOIL JACKET AND ALL JOINTS AND TERMINATIONS SEALED WITH FOIL DUCT TAPE

EXECUTION

- A. ALL DUCTHORK TRANSITIONS SHALL BE (FOT) "FLAT ON TOP" UNLESS OTHERWISE SPECIFIED ON PLAN ALL DUCT DIMENSIONS LISTED ARE INNER AIR STREAM DIMENSIONS.
- B. ALL DUCTHORK. SHALL BE ROUTED ABOVE THE SUSPENDED CEILING SPACE INLESS OTHERWISE NOTED ON THE PLANS, ALL DUCTHORK SHALL BE SUSPENDED FROM TOP CHORD OF STRUCTURE AND ACCORDING TO THE CHIEFS EDITION OF THE SHACMA INVAC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTHORK.
- C. ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" AMAY FROM EXHAUST DISCHARGE OPENINGS AND PLIMBING VENT STACKS.
- D. PROVIDE UL APPROVED FIRE DAMPERS FOR ALL PÉNETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS. INSTALL FIRE DANFERS AS PER MANUFACTURER'S DIRECTIONS AND AS PER UL GUIDLINES.
- E. PROVIDE ROUND SPIN-IN FITTINGS WITH LOCKING VOLUME DAMPER FOR EVERY INLET AND QUILET ATTACHENT TO THE MAIN TRUNK DICT WHETHER SHOWN ON THE PLANG OR NOT, PROVIDE ADDITIONAL LOCKING VOLUME DAMPERS AT ALL SECONDARY BRANCH TAKEOFFS FROM DUCTHORK MAINS AND AS INDICATED ON PLANS, PROV INSPECTION ACCESS PANELS IN DUCTS AT ALL FIRE DAMPERS
- F. SUPPLY, RETURN AND POSITIVE PRESSURE EXHAUST DUCTHORK SHALL BE SEALED IN ACCORDANCE WITH SMACNA SEAL CLASS "C"
- G. CORE-DRILL OR SAM-CUT EXISTING WALLS, ROOF, ETC. AS REQUIRED FOR PIPING OR DUCTHORK AND FIRE-STOP OPENING AROUND PIPE OR DUCTHORK, VERIFY LOCATION OF STRUCLIRAL BEAMS, JOISTS, ETC. BEFORE DRILLING OR CUITING, NOTIFY ARCHITECT OF ANY
- H. HIEREVER FOUNDATION HALLS, OUTSIDE HALLS, ROOFS, ETC. ARE CUT FOR INSTALLATION OF SYSTEMS, THEY SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION AND SEALED HEATHER TIGHT, HORK SHALL BE PERFORMED BY CRAFTSMEN SKILLED IN THEIR RESPECTIVE TRADES.

- PROVIDE 3 SETS OF PLEATED DISPOSABLE FILTERS. ONE SET TO BE USED UNTIL COMPLETION OF CONSTRUCTION PHASE. INSTALL ONE SET AT COMPLETION OF CONSTRUCTION PHASE AND DELIVER ONE SET TO ONNER AND LABEL EACH SET OF FILTERS TO DENOTE THEIR RESPECTIVE HYAC UNITS.
- 1. PROVIDE TWO OPERATION AND MAINTENANCE MANUALS BOUND IN 8-1/2" X II" PAGE BINDERS, TITLED "OPERATION AND MAINTENANCE MANUAL". SUBDIVIDE BINDER CONTENTS WITH PAGE DIVIDERS BY SYSTEM AND EQUIPMENT, INCLUDE ALL SHOP DRAWINGS, AG-BUILT DRAWINGS AND WARRANTIES, SUBMISSION OF THESE DOCUMENTS CODE, AND A REQUIREMENT FOR FINAL PAYMENT

TESTING, ADJUSTING, BALANCING AND INSPECTION

- A HORK SHALL BE PERFORMED AFTER THE COMPLETE INSTALLATION AND STARTUP OF ALL EQUIPMENT, DUCT SYSTEMS AND TEMPERATURE AND ENERGY MANAGEMENT CONTROLS AND COMPLETED PRIOR TO
- B. CONTRACTOR SHALL SUBMIT TEST AND BALANCE REPORT TO GENERAL CONTRACTOR FOR SUBMITTAL TO TENANT'S PROJECT MANAGER AND LOCAL CODE AUTHORITY (IF REQUIRED).
- C. BALANCING OF AIR DEVICES SHALL BE ACCOMPLISHED BY ADJUSTING BRANCH TAKEOFF DAMPER AT MAIN TRUNK DUCT, DAMPERS IN THE NECKS OF AIR DEVICES SHALL BE USED FOR FINAL TON ON A VAND IN VACCE FOR DECEMBER AND AND AND AND A TRIM ONLY AND IN NO CASE FOR GREATER THAN 10% OF THE INDICATED VOLUME FOR THE INDIVIDUAL AIR DEVICE.
- D. WHERE EXISTING DUCT IS TO BE REUSED, CONTRACTOR SHALL PROVIDE AND INSTALL NEW MANUAL DAMPERS WITH LOCKING QUADRANT IN THE RANGET DUCT AT THE CONFECTION TO THE TRUNK DUCT AS REQUIRED FOR THE COMPLETION OF BALANCING.
- E. TESTING AND BALANCING CONTRACTOR SHALL ALSO INSPECT THE COMPLETED AND OPERATIONAL HOW EQUIPMENT, DUCT SYSTEMS AND TEMPERATURE AND ENERGY MANAGEMENT CONTROLS PRIOR TO TURNOVER OF THE STORE FOR THE START OF STOCKING, TESTING AND BALANCING CONTRACTOR SHALL SUBHIT THE COMPLETED TENANT'S HVAC FIELD INSPECTION REPORT TO THE GENERAL CONTRACTOR FOR SUBMITTAL TO TENANT'S PROJECT HA

FIRE AND SMOKE PARTITION PENETRATIONS (MHERE REQUIRED)

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL FIRE RATED CONSTRUCTION AND INSTALL HIS WORK SO AS TO MAINTAIN THE INTEGRITY OF THE FIRE CODE RATHES, MAINTAIN RATHG OF FIRE RATED AND SHOCK RATED CONSTRUCTION. SLEEVES SHALL BE STEEL OR FRE-MANIFACTURED SLEEVES SHALLAR TO PIPE SHELDS, INC. FOR BARE PIPE THROUGH FIRE WALLS AND FLOORS, MODEL MED, DTB OR GOTB. FOR PLASTIC PIPE, USE TYPE MED HITH ONE INCH THICK CALCIMS SLICATE INSILATION ENCASED IN METAL. SLEEVE EXTRESION THO FEET EITHER SIDE OF FIRE RATED WALLS OR FLOOR. SEAL ANNULAR SPACE AROUND CONDUITS. FOR FIRE AND SMOKE RATED HOADS, MALLS AND PARTITIONS, USE IL LISTED MATERIAL THAT MAINTAINS FIRE RATED HALL AND FLOOR. INTEGRITY, SHILLAR TO RIVE FOR ADDRESS OF FIRE SHE STOP OR PIPE SHELDS, INC., MODEL METB, OR GOTB, FOR NON-RATED HALLS AND PARTITIONS, USE MINERAL OR GLASS FIBER INSULATION.

GENERAL PLUMBING CONDITIONS

A. SCOPE

- 1. PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK, INCLUDING INSTALLATION OF PLIMPING PIPING AND FIXTURES, ALL MATERIALS SHALL BE NEW AND BE INSTALLED IN A HORKMANLIKE MANNER IN ACCORDANCE WITH THE DRAHINGS AND SPECIFICATIONS
- 2. PROVIDE EXCAVATION AND BACK FILL OF ALL TRENCHES INCIDENTAL TO THE PLUMBING WORK AS SHOWN ON THE DRAMINGS. BACK FILL SHALL COMPACTED TO 90%.
- 3. PROVIDE ALL BACKING, SUPPORTS AND CARRIERS FOR FIXTURES
- 4. PROVIDE ALL CUTTING AND PATCHING OF THE CONSTRUCTION HORK, ROUGH FINISH AND TRIM, WHICH MAY BE REQUIRED FOR THE INSTALLATION OF EQUIPMENT, ALL PATCHING SHALL MATCH ALL SUPPLIES HODGE.
- CONTRACTOR SHALL MAKE ALL PLUMBING AND PIPING CONNECTIONS TO EQUIPMENT SPECIFIED TO BE FURNISHED BY TENANT OR LINDER OTHER SECTIONS OF THE SPECIFICATIONS INCLIDING FINAL CONNECTIONS TO AIR CONDITIONING AND HEATING EQUIPMENT.
- 6. CONTRACTOR SHALL PROVIDE SUFFICIENT APPROVED WATER AMMER ARRESTORS (WADE "SHOKSTOP", OR EQUIVALENT) TO PREVENT HATER HAMMER.
- CONTRACTOR SHALL THOROUGHLY CLEAN ALL FIXTURES, EQUIPMENT AND PIPING AFTER INSTALLATION.
- 8. CONTRACTOR SHALL PROVIDE APPROVED ACCESS DOORS IN FRAMED HOLES FOR ALL VALVES, TRAPS WHICH MUST BE INSTALLED IN INACCESSIBLE LOCATIONS.
- CONTRACTOR SHALL PROVIDE CUTOUT DATA FOR ALL SINKS AND LAVATORIES TO ALL OTHER RELATED TRADES.
- IO. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, INSPECTIONS AND CERTIFICATES IN CONNECTION WITH THE HIS WORK AND MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND PAY ALL FEES,

A. DRAIN, WASTE AND VENT

- SERVICE WEIGHT, CAST IRON HUB AND SPIGOT PIPE AND FITTINGS WITH NEOPRENE GASKET JOINTS, NO-HUB SERVICE HEIGHT PIPE AND FITTINGS MAY BE USED ABOVE GRADE WHEN PERMITTED BY LOCAL CODE.
- 2. SCHEDILE 40, GALVANIZED STEEL PIPE AND BANDED MALLEABLE
- 3. SCHEDULE 40 AND 80 PVC OR ABS PIPING HITH DWV PATTERN FITTINGS MAY BE USED WHERE ALLOWED BY LOCAL CODE, FOAM CORE PVC PIPING WILL NOT DE APPROVED, NO PVC SHALL BE INSTALLED IN SEPTION AND OF SHALL BE INSTALLED IN RETURN AIR PLENUMS.

B. HOT AND COLD HATER

I. ABOVE GRADE.

- a. TYPE 'L' COPPER TIBING, HARD TEMPER, COLD DRAWN HITH MROUGHT COPPER LEAD FREE SHEAT FITTINGS, CONNECTIONS TO FIXTURES AND EQUIPMENT SHALL BE MADE WITH 55% RED BRASS IPS SIZE PIPE OF COMPRESSION ANGLE STORS PROVIDE DIELECTRIC LINIONS WHERE CONNECTING PIPING OF PROVIDED ANALYSIALS.
- b. PVC FOR COLD WATER AND CPVC FOR HOT WATER MAY BE SUBSTITUTED FOR COPPER PIPINS HARRE ALLONED BY LOCAL CODE AUTHORITY FOR ABOVE GRADE WATER PIPINS ONLY.
- . PEX PIPING FOR HOT AND COLD MATER MAY BE SUBSTITUTED WHERE ALLONED BY LOCAL CODE AUTHORITY, CONNECTION AT MATER HEATERS MUST BE TYPE 1." COPPER PIPING. CONTRACTOR IS RESPONSIBLE FOR CORRECTLY SIZING AND INSTALLING ALL PEX PIPING PER MANFACTURES

- a. TYPE "K" COPPER TUBING, HARD OR SOFT TEMPER, WITH HROUGHT COPPER LEAD FREE SHEAT FITTINGS, NOTE: NO TITTINGS SHALL BE PERMITTED BELOW GRADE INSIDE
- C. PEX PIPING MAY BE SUBSTITUTED WHERE ALLOWED BY LOCAL CODE AUTHORITY, CONTRACTOR IS RESPONSIBLE FOR CORRECTLY SIZING AND INSTALLING ALL PEX PIPING PER MANUFACTURE'S REQUIREMENTS

C. AIR CONDITIONING CONDENSATE

- I. TYPE "M" COPPER TUBING, HARD TEMPER, COLD DRAWN WITH WROUGHT COPPER LEAD FREE SWEAT FITTINGS.
- PVC PIPING MAY BE SUBSTITUTED FOR AIR CONDITIONING CONDENSATE PIPING ABOVE ROOF ONLY HIERE ALLONED BY LOCAL CODE AUTHORITY ALL AIR CONDITIONING CONDENSATE PIPING SHALL BE OF THE SAME MATERIAL.

D. NATURAL GAS PIPING

SCHEDULE 40 BLACK IRON PIPE WITH 150 LB. BLACK MALLEABLE THREADED OR SOCKET WELDED FITTINGS.

EXECUTION

A. GENERAL REQUIREMENTS

- I. CONTRACTOR SHALL EXAMINE THE PREMISES AND SATISFY HIMSELF OF EXISTING CONDITIONS INDER MIKEN HE MILL BE OBLIGATION TO THE MORK THAT IN ANY MAINER AFFECT THE WORK UNDER THE CONTRACT. THE CONTRACTOR THE CONTRACTOR SHALL COOPERATE WHIT OTHER TRADES SO THE CONTRACTOR SHALL COOPERATE WITH OTHER TRADES SO THAT THE INSTALLATION OF ALL EQUIPMENT MAY BE PROPERLY
- ALL EQUIPMENT FIRMISHED SHALL FIT THE SPACE AVAILABLE, HITH CONNECTION, ETC. IN THE REQUIRED LOCATIONS AND HITH ADEQUATE SPACE FOR OPERATION AND SERVICE.
- 3. ALL PIPING, EXCEPT FIXTURE SUPPLIES, SHALL BE CONCEALED.
 OUT ACCURATELY TO EXACT MEASUREMENTS TAKEN AT THE BUILDING AND HORKED CAREFULLY INTO PLACE WITHOUT FORCING OR SPRINGING, CHANGES IN DIRECTION OF ALL PIPING SHALL BE MADE WITH FITTINGS. CHANGES IN PIPE SIZE SHALL BE MADE WITH
- 4. NO WATER OR DRAIN LINES SHALL BE PERMITTED OVER ELECTRICAL OR TELECOMMUNICATION PANELS OR IN TELECOMMUNICATION ROOMS.
- 5. PROVIDE PROTECTIVE METAL COVER PLATES OVER STUDS AND JOISTS WERE PIPES PENETRATE CLOSE TO EDGE OF STUD OR
- 6. PROVIDE CHROME PLATED ESCUTCHEONS WHERE PIPES PAG THROUGH FLOORS, HALLS AND CEILINGS IN FINISHED SPACES.
- ALL PIPING SHALL BE INSTALLED HITH ADEQUATE PROVISION FOR EXPANSION AND CONTRACTION USING SHINE JUNIS, PIPE CLAPFS, ANCHORS AND EXPANSION JUNIS, FITTINGS SHALL BE SO SPACED THAT THEY HILL NOT INTERFERE HITH SLIDING OF PIPE
- 6. ALL OPENINGS IN THE ROOF SHALL BE FLASHED WATERTIGHT PER THE INSTRUCTION OF THE LANDLORD'S ROOFING CONTRACTOR TO MAINTAIN ROOF WARRANTY.

- I. ALL WASTE PIPING SHALL BE PITCHED A MINIMUM OF 1/4" PER FOOT WHERE POSSIBLE, PIPING GREATER THAN 4" DIAMETER MAY BE PITCHED AT 1/10" PER FOOT, ONLY WHERE REQUIRED BY EXISTING CONDITIONS, SUBJECT TO THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION
- 2. DRAINS AND P-TRAPS: 17 6A, C.P. BRASS WHERE EXPOSED TO VIEW EXTENDING TO WALL, NOMINAL SIZE OF DRAIN AND TRAP SHALL NOT BE SMALLER THAN THE FIXTURE OUTLET TO WHICH IT IS ATTACHED.
- 3. VENTS SHALL EXTEND NOT LESS THAN 12" THROUGH ROOF. THEY YEND SHALL EXIEND NOT LESS HAN 12" HAKONSH KOOP. THEY SHALL BE GATHERED TOGETHER WHERE POSSIBLE HITO ONE VENT OF EQUIVALENT AREA, VENTS SHALL BE FLASHED AS INDUCATED ON THE DRAWINGS, ALL VENTS SHALL BE A MINIMUM OF 10"-0" FROM ANY FRESH AIR INTAKES, OR GREATER IF REQUIRED BY LOCAL CODE.
- 4. CLEANOJTS, SAME SIZE AS PIPE, SHALL BE INSTALLED IN SOIL AND MASTE LINES AT EVERY CHANGE OF DIRECTION AND AT EVERY 100 FEET OF RAIN HIETHER SHOWN ON THE DRAININGS OF NOT, AND SHALL BE ACCESSIBLE IN ALL CASES, HEND OCCURR IN FINISHED HALL OR FLOOR, SET FLUSH WITH SURROUNDING SEPERACE

CLEANOUTS AS A MINIMAN SHALL BE LOCATED SO THAT ALL SOIL AND MASTE LINES MITHIN OR INDER BUILDING ARE ACCESSIBLE FOR CLEANING MITHOUT PASSING THROUGH MORE THAN ONE NINETY DEFORED OR THO FORTY FIVE DEFORE BENDOS, CLEANOUT COVERS SHALL BE SET FLUSH MITH FLOORS AND GRADE WITH EXPOSED BASTLOWED TAXABLES.

- ALL WATER PIPING SHALL BE PITCHED IN DIRECTION OF FLOW TO ALLOW FOR SYSTEM DRAINING, INSTALL PIPING PARALLEL TO MAJOR BUILDING ELEMENTS.
- 2. INSTALL WATER PRESSURE REGULATOR, "WATTS" OR "WILKINS", WHERE AVAILABLE UTILITY PRESSURE EXCEEDS 80 PSI.
- 3. INSTALL HATER MAIN SHUTOFF VALVES (HATTS, OR APPROVED EQUAL FULL PORT BALL VALVE), UPSTREAM OF PRESSURE REGULATOR.
- 4. INSTALL ACCESSIBLE HOT AND COLD HATER STOPS AT ALL
- INSTALL DIELECTRIC ISOLATORS WHERE INCOMPATIBLE PIPING MATERIALS COME IN CONTACT.
- 6. INSTALL TEMPERATURE AND PRESSURE RELIEF VALVES AS

- I. INSTALL NATURAL GAS PIPING AS INDICATED ON DRAWINGS AND AS REQUIRED BY LOCAL CODES.
- 2. INSTALL SHITOFF VALVES CLOSE TO FIXTURE AND APPLIANCE CONNECTIONS, AND AHEAD OF UNION AND DIRT LEG AT ROOFTOP UNITS.
- UNIONS SHALL BE INSTALLED ON BOTH SIDES OF ALL EQUIPMENT.
 AND INHERE REQUIRED TO FACILITATE REMOVAL OF EQUIPMENT.
- I. PROVIDE GAS PRESSURE REGULATING VALVES WITH TURNED DOWN VENTS AT ALL GAS APPLIANCES WHEN DISTRIBUTION PRESSURE IS GREATER THAN 1" M.C.
- 5. PROVIDE GAS MAIN SHITOFF VALVE WITH LEVER TYPE HANDLE PLACED ON ON HOUSE SIDE OF METER.
- 6. PAINT ALL EXTERIOR PIPING INCLUDING PIPING INSTALLED ON ROOF WITH TWO COATS OR RUST INVIBITING EXTERIOR PAINT.
- SUPPORT PIPING ON ROOF PER INSTRUCTION OF LANDLORD'S ROOFING CONTRACTOR TO MAINTAIN ROOF WARRANTY.

- I. ALL HATER PIPING, HORIZONTAL AND VERTICAL SHALL BE INSULATED HITH FIBERGLASS PIPE INSULATION HITH AN ALL PURPOSE VAPOR BARRIER JACKET, USE MINIMAN I' INSULATION ON HATER PIPING, ALL INSULATING MATERIALS SHALL HAVE A MAXIMUM 25 FLAME SPREAD RATING AND 50 SMOKE DEVELOPED
- 2. APPROVED INSULATION BLOCKING SHALL BE PLACED BETWEEN AFFIXIVED INSULATION BLOCKING SHALL BE HILACED BEITHER SHEET METAL JACKET AND BOTTOM OF THE PIPE HIERE JACKET ALONE CANNOT PREVENT CRUSHING, INSULATION JACKET OR VAPOR BARRIER SHALL BE SEALED AFTER INSTALLING BLOCKING (SEE LANGERS & 19900015).

F. HANGERS, SUPPORTS AND SLEEVES

- I. ALL DRAIN MASTE, HOT AND COLD MATER AND NATURAL GAS PIPING EXPOSED, ABOVE GRADE AND IN FURRED AREAS, SHALL BE SUPPORTED IN PLACE WITH SECURELY FASTENED SOLID PIPE HANGERS NOT OVER 8° O' APART AND AT EACH CHANGE IN DIRECTION, 6°-0° ON CAST IRON PIPE).
- 2. PIPE HANGERS SHALL BE INSTALLED AROUND THE OUTSIDE OF INSULATION HITH VAPOR BARRIERS, AND INSULATION SHALL BE PROTECTED AGAINST CRUSHING BY SHEET METAL JACKET OF PROPER AREA AND WEIGHT
- 3. ALL WATER PIPING RUNNING THROUGH FLOORS OR HALLS SHALL BE ISOLATED FROM THE PENETRATION WITH A SLEEVE, MAINTAIN THE FIRE RATING OF ALL WALL AND FLOOR PENETRATIONS BY USE OF APPROVED FIRE STOP MATERIALS.
- 4. SLEEVES THROUGH WALLS SHALL BE CUT SO AS TO BE FLUSH WITH THE FINISHED SURFACE OF THE WALL IN EACH CASE AND SHALL BE MADE WATERTIGHT.

6. TESTING

- I. DRAIN, WASTE AND VENT LINES SHALL PASS INSPECTION UNDER HEAD OF WATER BY SYSTEM WITH WATER TO TOP OF HIGHEST
- 2. WATER LINES SHALL PASS INSPECTION OF FOUR (4) HOURS UNDER 150 PSI PRESSURE, BEFORE ANY USE OF SYSTEM IS MADE FOR DOMESTIC PARPOSES, IT SHALL BE DISINECTED BY SLOALY FILLING WITH HATER TO HINCH A DISINEFECTING AGENT HAS BEEN INJECTED AT A RATE OF 50 P.PM. OF CHLORING, HHICH SHOULD BE ALLOWED TO STIAND IN THE PIT INSPECT AT LACKS, AFTER HHICH TESTS FOR RESIDUAL CHLORING SHALL SHOW NOT LESS THAN FIVE (5) PPM. OF RESIDUAL CHLORING AT EVERY WATER OUTLET IN THE BUILDING. IF THE RESIDUAL IS ESS THAN FIVE PPM, THE DISINECTION SHALL BE EPICATED UNIT. THE REGURED RESIDUAL IS OBTAINED AT EVERY OUTLET, THE STIEND SHALL BE EFICIAL IS OBTAINED AT EVERY OUTLET. THE SHALL BE EFILIZAL IS OBTAINED AT EVERY OUTLET. THE SHALL BE EFILIZAL IS OBTAINED AT EVERY OUTLET. THE SHALL BE EFILIZAL IS OBTAINED AT EVERY OUTLET. SHALL BE FLUSHED UNTIL THE CHLORINE LEVEL AT EVERY OUTLET IS REDUCED TO THAT OF INCOMING WATER SUPPLY
- GAS LINES SHALL STAND A PRESSURE OF 25 PSI FOR A PERIOD OF 15 MINUTES WITHOUT PERCEPTIBLE DROP.
- 4. ALL TESTING SHALL BE PERFORMED BY CONTRACTOR AT HIS OWN

H. HARRANTY

I. ALL MATERIALS FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW AND FREE FROM ALL DEFECTS IN MATERIALS AND WORKMANSHIP AND SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE BY















PROJECT#803780 <u>8</u> 2 8 26490 SC HWY 1 WHIMIRE, SOUTH CAR TECIFICATIONS

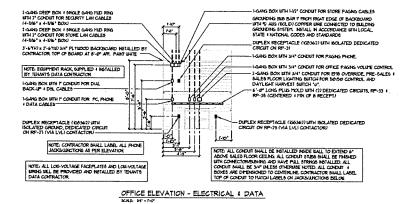
MP-4

NOTE, ALL DIPENSIONS ARE TO THE TOP OF THE ASSOCIATED DEVICE. AS PART OF THIS PROJECT, THE HANDACTIKEER'S REPRESENTATIVE WILL MAKE THE FINAL CONNECTION TO NITEGRAL EQUIPMENT DISCONNECTS AT TIME OF STARTUP.

AC-I RATED SWITCH (TO BE CONCEALED)

NCLUDE8:	(2) HOT, (I) NEUTRAL, 4 (I) GROUND				
HVAC*	POWER/WIRING INFO		FOR HVAC EG	FEEDER	FEEDER
XRTU-I	EXISTING TO REMAIN	3/4*	(37% 4 (17%) GND.	PANEL	BREAKER(6)
XXXIV-2	EXISTING TO REMAIN	3/4*	(376 4 (1750 GND).	Hills	13,53,11
RTU-3	PROVIDED WITH UNIT	3/4*	(378 + (1760 GND.	не	192123
RTU-4	PROVIDED WITH UNIT	3/4*	(3)% + (1)%@ GND,	MP	25,27,29
RTU-5	PROVIDED WITH UNIT	3/4*	(378 + (1790 GND.	Mika	313335
Phila	BROWDED HET LINEY		(2 m + 4 m 2 4 m		

1/2" (27/2 + (17/2 GND.



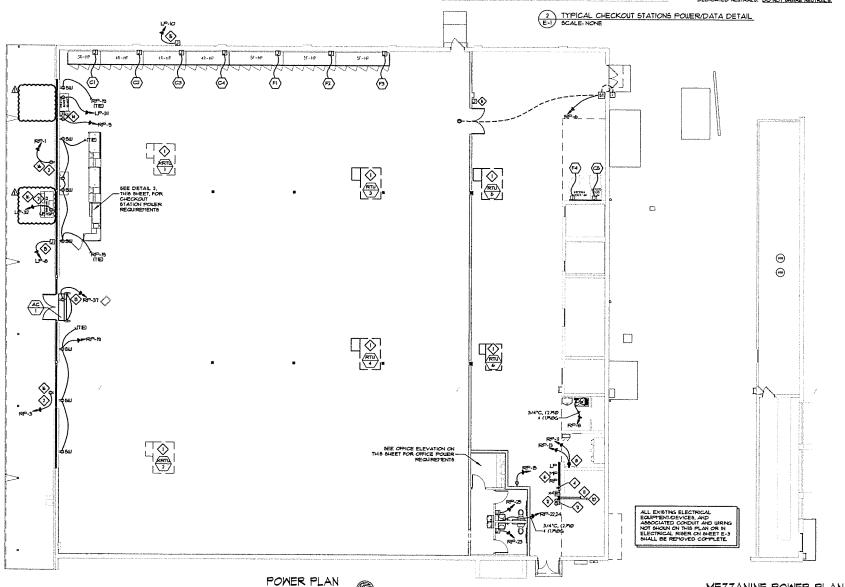
RP-18 IDRITY CROUT 40 __11 HOT, I NEUTRAL, I GNO!

CHECKOUT STATIONS POWER/DATA NOTES:

- L DIP POUER POLES ARE BEING RIPNISHED WITH CHECKOIT CONTIEND, POUER POLES BAUL DE INSTALLED AROUNDED BY CONTRACTOR. PELLO YERPY LOCATION OF ALL POUER POLES AND INSTITUTE POLES AND INSTITUTE POLES AND INSTITUTE POLES AND PRIOR TO BEGINNING ROUGH-IN. JUNCTION BOYES SHALL DE LOCATED WITHIN 3" OF POUER POLES.

 LABEL ALL JUNCTION BOYES WITH CIRCUIT INTERE AND DESCRIPTION AS SHOUN IN PAREL SCHOOL (S. 1) CIRCUITS SHALL HAVE DESIGNATED MENTALS. POLICE INSTITUTE SHALL HAVE DESIGNATED MENTALS. POLICE INSTITUTE SHALL HAVE DESIGNATED MENTALS. POLICE INSTITUTE SHALL HAVE

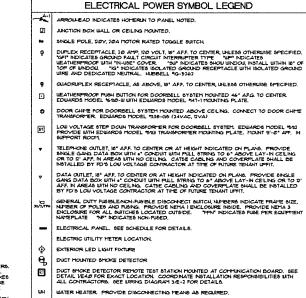
MEZZANINE POWER PLAN

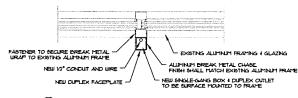


RF-12 (IS CROUT #3) () HOT, I NEUTRAL, -I GNO, I BO. GNO)

POWER POLE (TYP)
PROVIDE JINCTION BOX
SECURED TO STRUCTURE
WITHIN 3' OF POWER
POLE LOCATION

3





3 STOREFRONT CONDUIT CONCEALMENT DETAIL E-I) SCALE: NONE

POWER PLAN NOTES:

- NSTALL AND/OR CONNECT UP/OFCI RECEPTACLE AT HVAC UNIT AS REQUIRED. CONNECT TO CIRCUIT RP-5, UNIT MAY BE SUPPLIED WITH UN-WIRED RECEPTACLE BUILT-IN.
- PROVIDE DEDICATED 2019, 2014, GFI, WEATHERPROOF EXTERIOR RECEPTACLE RECESSED IN WALL WITH FACE FLUSH WITH EXTERIOR WALL. PROVIDE WITH "N-USE COVERS.
- DERGY MANAGETENT SYSTEM EMS). CONTRACTOR SHALL REFER TO BYS SHEETS FOR INSTITUTION AND RESPONSIBILITIES FOR INSTITUTION EMBERGY MANAGEMENT OF BEDONE AND INSTITUTION.
- (5) PROVIDE SNALE GANG LINCTION BOX MONITED NEXT TO RECEIVING DOOR FOR PAGING PHONE. EC SHALL MONIT JUNCTION BOX NUMLL AT 48" AFF WITH 3/4" CANDUT WITH FULL STRING UP NUML TO 81-0" AFF. PAGING SYSTEM SHALL BE VENDOR SUPPLIED AND VENDOR NISTALLED.
- ALL PANELBOARDS SHALL HAVE FIELD-APPLIED HAZARD MARKINGS INSTALLED PER 2014 NEC 18021 (B).
- HC CABLE IS ALLOUED AS BUILDING STANDARD WHERE LOCAL CODE JURISDICTION WILL
 ALLOUI ALL MC CABLE SHALL BE RIN OVERHEAD, AND IN A NEAT AND ORSANIZED
 FASHON, WERE CODE DOES NOT ALLOUIN CCABLE, BIT SHALL BE USED, ALL
 EXPOSED CABLE AND CONDUIT SHALL BE RIN TIGHT TO CEILING CONSTRUCTION AND
 CONCEALED PRICH VEW UNERVER POSSIBLE.

- (2) TERMINATE BIDS OF TELEPHONE AND DATA CONDUITS WITHIN 6* TO THE LEFT OF COTTANICATION BOARD AT 30° AFF. DO NOT INSTALL CONDUIT EXPOSED ON FACE OF EMILIEUR MALL GET CHAIL IT. DETAILS. DETAILS.
- PROVIDE DEDICATED ISOLATED GROUND CIRCUIT TO FLUSH HOUNTED IS RECEPTACLE NUALL BY JAFF, FOR ARTH, IG RECEPTACLES SHALL BE "ORANGE" WITH WHITE COVER PLATE PROVIDE SHORE GAMES JACTICHS DON FOR DIATE DESCRIPTION FOR CONTINUED NEXT TO ANT RECEPTACLE FOR DATA CONSCITION, EG SHALL HOUNT JUNGTION BOWN WALL AT BY AFF WITH 34" CONDIT WITH PALL STRENG FOR WITH STATE CONTINUED BY FOR YEARDON, CONFIRT RECEPTACLE LOCATIONS) WITH FO SITE OFFICIAL FUNDED BY FOR THE SECRETIC FUND WITH FOR SITE OFFICIAL FOR THE STRENGT TO SEGNING CONSTRUCTION.
- SEE STOREFRONT CONDUIT CONCEALMENT DETAIL ON THIS SHEET FOR THIS DEVICE AND CIRCUIT.



ج الإ date date Aⁿ nark



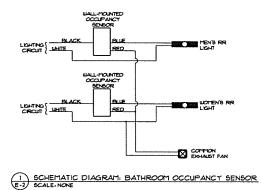


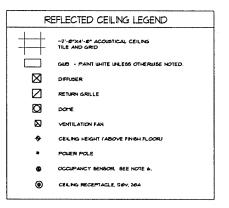


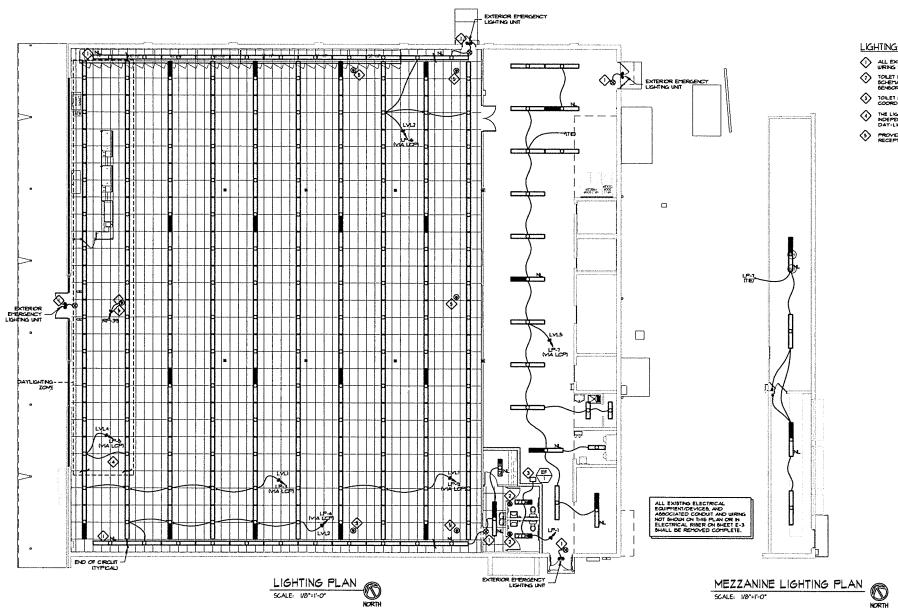


PROJECT#803780 121, Rolina 26490 SC HWY 1 WHITMIRE, SOUTH CARN

E-







			LIGHT I	FIXTURE SCH	IEDULE		
FIXT, SYM	LIGHT DESCRIPTION	VOLTS	WATTS	LAMP CITY, WATES, TYPE	LAMPS	MOUNTING	SCHEDULE NOTES
A	EMERGENCY LIGHT (EXTENIOR)	SEE FLEC. PANEL	2	(2) 1 W	ATT LED .	RDIRSTXS REVO LIAW HOOD	EMPRGENCY LIGHT WITH REMOTE BATTERY
•	EMERGENCY LIGHT (INTERIOR)	SEE ELEC. PANEL	2	(2) 1 W	ATTLED	SURFACE	EMERGENCY C'GHT UNIT
8	EXITUGHT	SEE ELEC. PANEL	5	CURNISHED V	VITH FIXTURE	CEILING UNLESS OTHERWISE REQUIRED BY CODE	LE.D. SINGLE-FACE EXIT SIGN W/EMERGENCY BATTERY NOTES: D
	8'-0" STRIP UGHT	SEF ELEC. PANEL	36	(7) 18W LED	FURNISHED WITH FIXTURE	CEILING SURFACE	INTERIOR/EXTERIOR STRIP HOTES: A, C. D, F, G
	8'-0" STRIP LIGHT (EMERGENCY LIGHT)	SEE ELEC. PANEL	36	(7) 18W LED	FURNISHED WITH FIXTURE	CEILING SURFACE	EMERGENCY LIGHT WITH INTEGRAL BATTERY PACK NOTES: A, C. D, F, C, G
	4-0° STRIP LIGHT	SEE ELFC. PANEL	18	(1) 18W LED	FURNISHED WITH FIXTURE	CEILING SURFACE	INTERIOR/EXTERIOR STRIP NGTES: A, C, D, F, G
	#-OF STRIP LIGHT (EMERGENCY LIGHT)	SFE ELEC. PANEL	is	(1) 18W LEO	FURNISHED WITH CIXTURE	CHUNG SURFACE	EVERGENCY LIGHT WITH INTEGRAL BATTERY PACK NOTES: A. C. D. F. F. G.
C2028	4'-0" STRIP UGHT (TWO-LAMP EMERGENCY UGHT)	SEE ELEC. PANEL	36	(3) 18W LED	FURNISHED WITH FIXTURE	CEILING SURFACE	EMERGENCY UGHT WITH INTEGRAL BATTERY PACK NOTES: A. C. D. E. F. G

- - ar multi). C diagnatid fixture shall have Lid Lawps. C di insulation (puren rati type is 1980) do r rovide sheld argund fixture (when blown-in type is USED) to keep insulati A manimum de 7 away feodifiature.

 - C. ATTACH FIXTURE TO T-BARRIER NEC 210-36.
 3. FIXTURE PROVIDED WITH QUAL VOLTAGE TRAVELEN FLOWER SUPPLY, VERBY VOLTAGE FOR EACH FIXTURE LOCATION.
 5. PARKENON FURTURE WITH 901-1401-140 BARTIERY BACK-UM.

 - 7. LOHT DISTURES DENOTED 31 "NC" SHALL REMAIN ON DURNING HON-BUSINESS WORKING HOURS.
 G. WITH MOTHINSHED CRITING, LOHT INCREAS ABOVE THE SALES FLOOR SHALL BE MADERING © \$1.0" A.F.F. AND LIGHT ENTITURES ABOVE THE SALES FLOOR SHALL BE SUBMINION AND LIFE OF CROOK SHALL BE SUBMINION OF \$1.0" A.F.F. AND LIGHT ENTITURES ABOVE THE STOCKHOOL SHALL BE SUBMINION OF THE SALES FLOOR SHALL BE SUBMINION OF THE SALES FLOOR SHALL BE SUBMINION.

CONTRACTOR SHALL NOTALL ADDITIONAL USE TE SUPPORTS FROM THE CELING GRID TO THE STRUCTURE ABOVE FOR SUPPORT OF THE LIGHT FROTURES CLIPPED ON THE GRID.

LIGHTING PLAN NOTES:

- ALL EXIT SKINS, NIGHT LIKHTS, AND EXTERIOR EYERGENCY LIGHTS SHALL BE CROUTED TO PAVEL "LP", CROUT 2. WRING NOT SHOUN FOR DRAWING CLARITY.
- TOILET ROOM EXHAUST STREET TO CONSCIT TO OCCUPANCY BENSORS PER THE SCHEMATIC DIAGRAM ON THIS SHEET, COORDINATE EXHAUST FAN LOCATION WITH MECHANICAL.
- THE LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING ZONE IN FIRST TWO ROUS WILL BE PROVIDED WITH MODERNOENT CONTROL FOR DAY-LIGHTING PER IECC. THESE CIRCUITS SHALL BE ROUTED THROUGH THE LCP FOR DAY-LIGHTING CONTROL FOR
- PROVIDE RECEPTACLE IN CRILING FOR BECURITY MONITOR EQUIPMENT AND CONNECT TO CIRCUIT RP-39. CONFIRM RECEPTACLE LOCATION WITH FO SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION.

Ž. date

mark









EXMATINT (S) [EXTURNI) 26490 SC HWY 121, PROJECT#803780 WATMER SOUTH CAROLINA LIGHTING PLAN

E-2

				PANE	L	SC	HE	DULE			TA MANAGEMENT AND
PANEL NUMBER:	MP										
LOCATION:	STOCKROOM										
į.	DRECTORY	CKT.NO	AMPS/P OLES	kW	A	8	С	kW	AMPSP	CKTNO	DIRECTORY
	PANEL 'RP'	1		7.90	·	_		0.00	20:1		SPARE
		3	100/3	5.67		•		0.00	20/1	4	SPARE
		5		7.77			•	0.00	20/1	6	SPARE
	XRTU-1 (HACR)	7		4.80	·-		-	0.00	20/1	8	SPARE
		9	60/3	4.80		·		0.00	20/1	10	SPARE
		71		4.80	_	_	•	0.00	20/1	12	SPARE
	XRTU-2 (HACR)			4.80	•			0.00	20/1		SPARE
		15	60/3	4,80		·		0,00	20/1		SPARE
		17		4.80	_	_		0.00	20/1		SPARE
	RTU-3 (HACR)			3.66	F	Г		0.00	20/1		SPARE
		21	50/3	3.66		1		0.00	20/1		SPARE
		23		3.66	Г	_		0.00	20/1	24	SPARE
	RTU-4 (HACR)	25		4.09	1	_		0.00	201	26	SPARE
		27	50/3	4.09	Г	F		0.00	20/1	28	SPARE
		29		4.09		_	•	1.06	20/1	30	AIR CURTAIN, AC-1
	RTU-5 (HACR)	31		3.56	•	_		17.27		32	PANEL 'LP'
		33	50/3	3.66	Г	F		19.41	150/3	34	1
		35		3.66	$\overline{}$		•	16.83	1	36	1
	RTU-6 (HACR)	37		2.73	·	Г	Т	0.10	1	39	* ENERGY MANAGEMENT SYSTEM (E.M.S.)
		39	40/3	273	Г	1		0.10	20/3	40	
		41		2.73	_		·	0.10	1	42	1
	la su				10					1000	
IAIN BREAKER	600A	963	k\	N PHASE	'A"				49.01	300	NOTES:
MAIN BUS:	600A	nte	k\	V PHASE	*B*				48.92	S	R = RECEPTACLE LOAD
/OLTAGE:	208Y12CV	100	k\	VPHASE	-C				49.50		1
HC;	22,000					-					CIRCUIT BREAKERS SHALL BE PROVIDED BY
MOUNTING:	SURFACE			TOTAL KV	٧			147.4	3		E.C. AS REQUIRED
LOAD SUMMARY	Connected kW		Dom	and Facto	21	_	-	Deman	ri kW	46/6/6	i
LIGHTING				1.25		-	┢	11.6			1
HVAC		-		1.00		_	_	72.7			1
RECEPTACLES				1.00		-	⊢	15.5			1
WATER HEATER		_	_	1.00			-	6.1		_	1
COOLER/FREEZE			_	1.00			-	44.1		_	1
	147.43			*		-	-	149,			<u> </u>
PROVIDE CIRCUIT	BREAKER WITH A MEANS OF	EC:	SIA	·ven		-	ш.	149,	• • • • • • • • • • • • • • • • • • • •		1

				PANE	L:	SÇ	HΕ	DULE			
PANEL NUMBER:	LP										
LOCATION:	STOCKROOM				_						
	DIRECTORY	CKT.NO	WAPS/P OLES	kW	А	8	С	kW	AJAPS/P OLES	CKT.NO	DIRECTORY
	LTG, TOILETS / EF-1		20/1	0.20	·			0.30	20/1		EXIT SIGNS / NITE LIGHTS / EMG. LIGHTS*
	LTG, SALES AREA (LVL 1)		20/1	1.08		•		1.40	20/1	4	LTG, SALES AREA (LVL 2)
	LTG, SALES AREA (LVL 4)			0.86			•	1.33	20/1	6	LTG, SALES AREA (LVL 2)
	LTG, STOCKROOM (LVL 5)		20/1	0,77	F		_	1.20	20/1	В	SIGNAGE (LVL 3)
	LTG. SALES AREA (LVL 1)			1,01		•	-	1.20	20/1		SIGNAGE (LVL 3)
	SPARE			0.00			•	0.00	20/1		SPARE
	SPARE			0.00	·			1.58	20/2	14	REACHIN COOLER (C1)
	REACHIN FREEZER (F1)	15	40/2	3.82		•		1.58		16	
		17		3.82			٠	1.59	20/2		REACHIN COOLER (C2)
	REACHIN FREEZER (F2)	19	40/2	3.82	Ŀ			1,59	1	20	
		21		3.62		٠		1.59	20/2		REACHIN COOLER (CJ)
	REACHIN FREEZER (F3)	23	40/2	3.82			•	1.59	1	24	
		25		3.82	٠			1.59	20/2		REACHIN COOLER (C4)
	REACHIN FREEZER (F4)	27	30/2	2.32		*		1.59	<u> </u>	28	
		29		2.32			·	1.50	20/1		REACHIN COOLER (C5)
	ICE CREAM BUNKER			1.20	Ŀ			1.20			BAGGED ICE MACHINE
	SPARE		20/1	0.00		٠		0.00	20/1		SPARE
	SPARE		20/1	0.00			٠	0.00	20/1	36	SPARE
	SPARE		20/1	0.00	7			0.00	20/1		SPARE
	SPARE			0.00	Ш	٠		0.00	20/1		SPARE
	SPARE	41	20/1	0.00			٠	0.00	20/1	42	SPARE
MAIN BREAKER	MLO			M PHASE							NOTES:
MAIN BUS:	150A			NPHASE					19.41	2.8	R = RECEPTACLE LOAD
VOLTAGE;	208Y120		k٧	NPHASE	.c.				16.83		
AIC:	10,000									3.0	CIRCUIT BREAKERS SHALL BE PROVIDED BY
MOUNTING:	SURFACE			TOTAL KV	V	-		53.51	1		E.C. AS REQUIRED
LOAD SUMMARY	Connected kW	£133				-				40	
LIGHTING		-	Dem	and Fact	Y.	_	_	Deman			
HVAC		├		1.25		-	-	11.6			{
RECEPTACLES				1.00		-		0.0			ł
WATER HEATER		-		1.00		-	-	0.0			1
COOLER/FREEZER		-		1.00		-	-	44.1			1
GOOGLE STINGLESS	53.51			1.00			-	55.8			

CASH REGISTER GROUNDING

PURSH AND NOTALL MINISTATED, SOLATED GROUD BAY IN PAPEL
NOTALL AN INSLATED SOLATED GROUD WER IN EACH ERACH
COULT HORSELFOR TO PAPELBOOK CONNECT FOOD WISE FOR
CASH RESISTER AND COMPUTED CROUTS TO SOLATED GROUD BAY
IN PAPELBOARD AND DESCRIPT TO SOLATED GROUD BAY
NOTALED GROUP BAY
SOLATED GROUP BAYERS
ON SOLATED GROUP BASESTER OF CONTROL OF SOLATED
GROUP GROUP BAYERS
ON SOLATED BAYERS
ON SO

OO NOT CONECT ISCLATED' GROUN WEE TO RACEMAT OF BOX CONCUT AND BOX SHALL BE METAL AND METAL-TO-METAL CONECTIONS SHALL BE USED A FIRE YOUNG THE YOUNG BOX AND RACEMAT, ON ON THEY CONCUT TO ESTABLISH GROUND PAIN FOR BOX AND RACEMAT, ON ON THEY MAY CREATS WITH CASH-BESSITE OR COMPUTER WE CREATED.

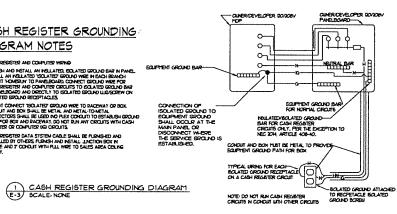
CASH DEGISTER DATA STISTEM CASLE SHALL BE FLOWSHED AND INSTALLED BY OTHERS FLOWSH AND INSTALL LINCTION BOX IN OFFICE AND 7 CONCULT WITH PLLL WIRE TO SALES AREA CELING CAVITY.

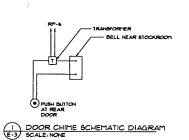
DIAGRAM NOTES

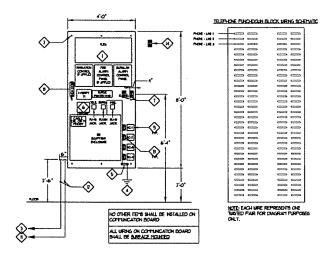
CASH REGISTER AND COMPUTED WIRING

	1			FMINE	-	o.	uc	DULE			
PANEL NUMBER	RP (NEW)										
LOCATION:	STOCKROOM										
DIRECTORY		CKT.NO	AMPSIP	kW	A	8	С	kW	AMPER	CKT.NO.	DRECTORY
	R - SIDEWALK		20/1	0.18		Π		0.18	20/1	2	R - COMMUNICATIONS BOARD
R - SIDEWALK			20/1	0.18		Ī÷		0,18	20/1	4	R - COMMUNICATIONS BOARD
HVAC SERVICE RECEPTACLES			20/1	1.08			•	0,20	20/1		DOORBELL
SPARE			20/1	0.00	•			2.00	30/1	ê	WATER HEATER
	R - ATM MACHINE		20'1	0.36	Ι	·		0.36	20/1	10	R - REGISTER
	R - BREAK AREA	11	20/1	1.50			•	0.36	20/1		R - REGISTER (ISOLATED)
	R - BREAK AREA		20/1	1,50	·			0.36	20/1		R - REGISTER
	R - STOCKROOM		20/1	0.18		ŀ		0,36	20/1		R - REGISTER (ISOLATED)
	SPARE		20/1	0.00			•	0.36	20/1		R - REGISTER
	- SHOW WINDOW & PRINTER		20/1	1.44	•			0.36	20/1	20	R - REGISTER (ISOLATED)
* ENERGY M	ANAGEMENT SYSTEM (E.M.S.)	21	20/1	0.20		·		2.05	30/2		INSTANT WATER HEATER
	HAND DRYER		20/1	1.50				2.05		24	
	HAND DRYER		20/1	1.50	ŀ			0.00			SPARE
	R - OFFICE (ISOLATED)		20/1	0.18	_	Ŀ		0.00	20/1		SPARE
R - OFFICE (ISOLATED)				0.18			Ŀ	0.00	20/1		SPARE
R - OFFICE (ISOLATED)			20/1	0.18				0.00	20/1		SPARE
OFFICE PLUGMOLD			20/1	0.54	1			0.00	20/1		SPARE
OFFICE PLUGMOUD				0.54	_	<u></u>	٠	0.00	20/1		SPARE
R - EAS (ISOLATED)			20/1	0.20	ŀ			0.00	20/1		SPARE
R - SECURITY SYSTEM			20/1	1.08	<u>L</u>		L	0.00	20/1		SPARE
	SPARE	41	20/1	0.00	L.	L	Ŀ	0.00	20/1	42	SPARE
MAIN BREAKER:	MLO	300		VPHASE		_					NOTES:
MAIN BUS;	100A			/ PHASE			5.67			R = RECEPTACLE LOAD	
/OLTAGE:	208Y120V	3.85	kW PHASE "C"		7.77						
AIC:	22,000	25	**				76			CIRCUIT BREAKERS SHALL BE PROVIDED BY	
MOUNTING:	SURFACE	TOTAL KW			21.34				E.C. AS REQUIRED		
LOAD SUMMARY	Connected kW	Domand Factor			_	Demand kW					
LIGHTING 8,00		1.25				0,00				1	
HVAC 0.00		1,00				0.00					
RECEPTACLES 15.24			1.00				15.24				1
WATER HEATER 6.10		1.00				6,10				1	
COOLER/FREEZE	R 0.00	1.00				0.00					
	21.34	_					_	21.3	,		

N EACH ELECTRICAL PANEL, CIRCURTS DENOTED WITH "(LVLM)" ARE CONTROLLED VIA LIGHTING CONTROL PANEL LCP WHICH IS PART OF THE M.S. (ENERGY MANAGEMENT SYSTEM). PER THE FOLLOWING, THE "LVLM" INDICATES THE CONTACTORIS) THAT WILL SWITCH THE E.M.S. (ENEMOY MANAGEMENT SYSTEM). PER THE FOLLOWING ASSOCIATED CIRCUTS. LVL 1 = EMPLOYEE LIGHTS († CONTACTOR REGUIRED) LVL 2 = CUSTOMER LIGHTS († CONTACTOR REGUIRED) LVL 3 = SIGNS / EXTEROR LIGHTS († CONTACTOR REGUIRED) LVL 4 = DAYLIGHTMS († CONTACTOR REGUIRED) LVL 5 = STOCKROOM († CONTACTOR REGUIRED)







2 COMMUNICATION BOARD DIAGRAM E-3 SCALE: NONE

COMMUNICATION BOARD GENERAL NOTES:

- L ALL PHONE AND DATA LINES SHALL BE REN BY FOR LOU VOLTAGE VENDOR. INSTALLATION BHALL COPPLY WITH ALL CITY 4 STATE CODES. CONTRACTOR SHALL DE RESPONSIBLE FOR PROVIDENG CONDUIT WITH PALL STRING FOR ALL PHONE AND DATA LINES WERE REQUIRED BY CODE.
- DATA CONDUT SHOULD BE EXISTING AS PROVIDED AS PART OF SHELL BUILDING, CONTRACTOR SHALL VERRY EXISTING DATA CONDUIT AND NOTEY TO PROJECT THANGER F NOT EXISTING OR ANY OTHER ISSUES AFFECTING INSTALLATION OF COTTANICATION BOARD/RQUIPTIENT.
- CONTRACTOR SHALL INSTALL COTTINICATION BACKBOARD AND RECEPTACLE POURE PRIOR TO TELEPHORE AND DATA INSTALLATION DATE. FER INCC RECUIREDENTS PERTAMENT POURT IS REQUIRED PRIOR TO TELEPHONES BEING INSTALLED.
- CONTRACTOR SHALL PROVIDE ONSITE CONTACT AVAILABLE TO PROVIDE ACCESS TO TELEPHONE AND DATA COMPANIES. (TELEPHONE AND DATA COMPANIES REQUIRE SOMEONE ONSITE ON THE DAY OF NOTALL)
- CONTRACTOR SHALL PROVIDE ONSITE CONTACT TO PROVIDE PRODUET RESOLUTION FOR ALL 1884E8 PERTANNE TO PHONE/DATA FACILITIES, I.E. CONDUIT PLACEMENT, PULL STRING, BUILDING PRINCIPATION, BITE ACCESS, ETG.
- 1. FAMILY DOLLAR CONTACT NPG. DEPLOYMENT CENTRAL 1-866-625-8711 (AVAILABLE BAM-4PT EST MON-FRI). EMAIL NEUBTORECONSTRUCTIONSTOT FAMILY DOLLAR CONTACTOR.

CONTUNICATION BOARD KEYED NOTES:

- CONTRACTOR SHALL PROVIDE 4 NB NA** COTTANCATION BOARD MADE OF FIRE RETARDANT PI, TUDOU, STIM A ILL CLASSFICATION BTAMP THAT HEETS OR EXCEEDS THE REQUIREMENTS FOR CLASS I, OR CLASS A ON TO TO BE PLANTED EXCEPT FOR STDELL TRANSPER, TOWN BOARD WITH BRACKO, AND FASTENERS RATED TO REPORT UP TO 32 LBS OF URSON, COTTANCATION BOARD SHALL BE HOUSTED VERTICALLY. HOWISTONIALLY MONITED COTTANGATION BOARD UNITED VERTICALLY. HOWISTONIALLY MONITED COTTANGATION BOARD UNITED VERTICALLY.
- (2) V4" METAL ANCHOR BOLTS, TYPICAL B PLACES.
- 3 2" CONDUIT, SCHEDULE 40 PVC, WITH INCOMING TELEPHONE SERVICE
- AS REQUIRED FOR GROUNDING OF COTTAINCATION EQUIPMENT, PROVIDE NO LOOP OF NG GROUNDING OF COTTAINCATION EQUIPMENT, PROVIDE
- A NETWORK INTERFACE DEVICE (DEMARC) ON CONTINUCATION BOARD.
- CONTRACTOR SHALL PROVIDE TWO (7) DUPLEX ISOLATED GROUND RECEPTACLES AND CONNECT TO CIRCUIT RP-2, RECEPTACLES SHALL BE SUFFACE ROWNED. RECEPTACLES SHALL BE "ORANGE" WITH WHITE COVER PLATES.
- 6 CONTRACTOR SHALL PROVIDE 25 PAIR (66 CLIPS) TELEPHONE PRINCHDOUN BLOCK AS SHOUN ON COTTUNICATION BOARD DIAGRAM.
- ETS HVAC THERMOSTAT LOCATION CONTRACTOR SHALL INSTALL THERMOSTATS FOR HVAC STOTEPS, (FIELD VERFY QUANTITY WITH MECHANICAL PLANS).
- NOT USED
- 1) 2' EMPTY CONDUIT, SCHEDULE 40 PVC, WITH NYLON PULLWIRE FOR INCOMING WANDATA SERVICE (CABLE, DSL OR TI).
- D TELEPHONE AND DATA CONDUITS SHALL BE STUBBED UP WITHIN 6" OF THE COTTUNICATION BOARD AT 30" AFF. CONDUITS SHOULD NOT BE EXPOSED ON FACE OF EXTERIOR WALL
- DUCT SHOKE DETECTOR REHOTE TEST STATION LOCATION CONTRACTOR SHALL INSTALL REHOTE TEST STATION
- CONTRACTOR BHALL PROVIDE DUPLEX IBOLATED GROUND RECEPTAGLE
 N MAIL, NEXT TO OR ABOVE COTTANICATION BOARD TO BE USED FOR
 PAGNS STSTEN. CONSCIT TO CIRCUIT RP-4. RECEPTAGLE SHALL BE
 "ORANGE" WITH WHITE COVER PLATE.

COMMUNICATION BOARD STENCILING NOTE:

COTTUNICATION BOARD STENCHING NOTE:

A STENCH WALL BE USED TO THANK THE LOCATIONS OF EQUIPMENT ON THE
COTTUNICATION BOARD. CROPE RETURN LOTRECTLY FROM LAKE AREA BOOK
OPPEAK WITH DANNY OR JERRY AT 333-489-4719 USENS OF LODER FORT. THE STENCH
COST IS 193-90 FILLS BHIPPING AND IS TO BE PAID BY CONTRACTOR USING A
CREDIT CARD, THERE IS A BE DIBURGED DAY LEAD THE. THE STENCH TRANSPER
TAKES LESS THAN DI THAITER, RED ON ELACY, OPPEAY PAINT GOOD DE USCO, IT
TAKES LESS THAN DI THAITER, RED ON ELACY, OPPEAY PAINT GOOD, ELACO, IT
PRIOR TO TOMONING THE BOARD ON THE BUIL TO HAVE BUINE THE ANCHORS ARE
NOT FLACED IN SPACES HARKED FOR EQUIPMENT.
A PHOTO OF THE RISTALLED COTTUNICATION BOARD ALONS WITH THE U.
CLASSIFICATION STATE AND TRANSPERRED STENCH, PRIOR TO ANY EQUIPMENT
CLASSIFICATION STATE AND TRANSPERRED STENCH, PRIOR TO ANY EQUIPMENT AND TRANSPERRED STENCH, PRIOR TO ANY EQUIPMENT
ON DEVALUATION TO THE TOMONIA THE COURSE. IT IS
REPORSIBILITY OF CONTRACTION TO ENSURE THAT ALL BUBCONTRACTORS ADHERE

301 i Tullaho Office: Nashv Office:

mark









FANTING DETITALS
26490 SC HWY 121, PROJECT#803780
WHINNE, SOUTH CARGUS
KHEOLES, NOTES, 1 DETAILS

E-3

GENERAL ELECTRICAL NOTES

- L ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL AND STATE CODES.
- ALL MATERIAL, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE NE AND SHALL CONFORM TO THE STANDARDS OF THE UNDERWRITER'S LABORATORIES, INC., AND THE NATIONAL ELECTRICAL MANUFACTURE! ASSOCIATION.
- ALL ELECTRICAL PERMITS AND NOPECTION FEES SHALL DE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR DRAWNSS ARE DIAGNATHATIC ONLY AND NOICATE ONLY THE GENERAL ARRANGEMENT, SEE ARCHITECTURAL DRAWNSS FOR EXACT DEPENDING, DO NOT SELE PLANS.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT 16 ACCEPTED BY THE OWNER.
- ELECTRICAL CONTRACTOR SHALL MAKE ALL ELECTRICAL POWER CONNECTIONS TO HVAC, PLUTERNS AND OTHER EQUIPMENT AS REQUIRED.
- A COMPLETE GROUNDING BYSTEM SHALL BE PROVIDED AND NSTALLED IN ACCORDANCE WITH ARTICLE 750 OF THE NEC, AND A SHOUN ON THE DRAWINGS.
- ALL CUTTING AND PATCHING OF WALLS AND FLOORS FOR ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR
- a. CONDUCTORS SHALL BE COFFER RATED AT NOT LESS THAN 4-DID VOIT THINTERS DUE SHALL BE '0' AND THE SHOT OFFICE OF THE SHALL BE SHALL BE
- A ALL WING BHALL BE NOTALED IN ACCORDANCE WITH NEC. TIPE INC CADLE IS THE PREFERRED WINGS TRETHCO, USE BIT WHERE INC IS USE LIQUID THAT FOR CALL CONNECTIONS TO TOTAL SAND CROCKING WITH THE FOR ALL CONNECTIONS TO TOTAL SAND CROCKING WITH THE FOR ALL CONNECTIONS TO TOTAL SAND ELECTRICAL OVERWAD IN A NEAT AND ORGANIZED FASHICK.
- W. PROVIDE A PULLWRE IN ALL EMPTY CONDUITS.
- I PROVIDE A TYPED DIRECTORT IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION OF AND TYPE OF LOAD BEING SERVED FOR PANELBOARDS AND DIRECTORY PRESENCE, CHEFTER ATES FOR PANELBOARDS AND DIRECTORY SERVICES, UNITE LETTERS ON BLACK BACKGROUND.
- . Hides of 600 at \$15 shall be u. Clads toc-it low peak dual eletient the delay with 200000 at \$15 ere interrupting rains a manifactured by bussiann unless noted otherwise.
- D. ALL IEST PAIN SOLUTION SHALL BE IDENTIFIED FOR USE WITH THE CONNECTORS, LUGG, ETC SHALL BE IDENTIFIED FOR USE WITH THE HATERIAL (CUIAL) OF THE CONDUCTOR AND SHALL BE PROPERLY PASTALLED.
- IL VERBY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF RECOMES ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START-UP. NOTBY ENGINEER OF ANY GHANGES AS MAY DE REQUIRED.
- 5. ALL ELECTRICAL DEVICES (BUTCHES AND OUTLETS) SHALL BE "UNITE" UITH UNITE NYLON UNSKEAKABLE WALL COVER PLATES EXCEPT THAT IS OUTLETS SHALL BE "ORANGE".

- 6. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL ELECTRICAL EQUIPMENT FROM FOREIGN HATERIAL DURNG CONSTRUCTION (PANT, SPACKLE, ETC.).
- IL POPETRATIONS OF REQUIRED SMOKE PARTITIONS SHALL BE SEALED USING PETHODS APPROVED UNDER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE FLANTAINED TO NOUNE THAT THIS SMOKE STOPPING IS ACCORDING.
- B. WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED HIRE-RESISTING MALE, M. COR, OR PARTITION FOR THE PURPOSE OF RINNER RACEMAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL CONTUNICATION AND/OR SEGNAL NO. CIRCUITS, THE OPENING AROUND THE ARCHMUNT SHALL BE FIRE STOPPED FER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE TRANSTANCED TO MARKET HANT THIS FIRE THE STATE OF THE ARCHMUNT OF MARKET HANT THIS FIRE THE STATE OF THE ARCHMUNT OF MARKET HANT THE STATE THE STATE OF THE ST
- 13. IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF BOXES THAT ARE GREATER THAN IS SOLIARE INCHES SHALL BE PROTECTED AS REQUIRED BY U.E. COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO INSURE THAT THE INTEGRITY OF THE UIL RATING IS HANDLAINED.
- 70. WHERE A HOTE RAN IS SHOWN THE CIRCUIT SHALL DE INSTALLED IN A DEDICATED CONDUIT, DO NOT COMBINE WITH OTHER CIRCUITS, WHERE A CIRCUIT HOTERAN IS NOT SHOWN THE CONTRACTOR GRANTS. WHERE THE THE TASK DEAL COMBINED IN A COMPANION OF THE TASK DEAL CONDUITS OF THE TASK DEAL CONDUITS OF THE TASK WITH DETERMINED IN A COMPANION OF THE TASK WITH DETERMINED AND THE CONDUITS OF THE TASK DEAL CONDUITS OF THE TASK DEAL CONDUITS OF THE TASK DEAL DESIGNATION OF THE TASK DEAL TO THE TASK DEAL OF THE TASK DEAL DESIGNATION OF THE TASK DEAL OF THE TASK DEAL DESIGNATION OF THE TASK DEAL OF THE TASK DEAL DESIGNATION OF THE TASK DEAL OF THE TASK DEAL
- 71 EACH DISCONNECT SHALL BE EQUIPPED WITH A GROUND BAR
- 22. PROVIDE GREEN EQUIPMENT GROUNDING CONDUCTOR WITH ALL FEEDER AND BRANCH CIRCUITS.
- 23. DEVICE NEIGHTÓ ROICATEO ARE TO THE CENTER OF THE DEVICE OR EQUIPTEM UNLEGÓ HOTED OTHERUSE, RECEPTACLE AND DATATELEFRONGE OTHER ÓHOUR ADJACENT ON PRAUMYGÓ SHALL BE HOUNTED 6* APART ON CÉNTER HORIZONTALLY.
- COORDINATE ALL DEVICES AND OUTLETS ABOVE OR BELOW WITH CABELLORG NOTALLATION AND FDS IN ORDER TO POSITION AT THE PROPER LOCATION AND HEIGHT.
- 79. ALL EXTERIOR FIXTURES AND DEVICES SHALL BE RATED FOR OPERATION AT 8° F AND SHALL BE DAMP OR UET LABELED AS REQUIRED.
- 26. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTALLING ALL ELECTRICAL EQUIPTENT, DEVICES, ETC. N ACCORDANCE WITH LOCAL SCIENTIC CODE REQUIREMENTS, PROVID SEISHIC RESTRANTS, ACCESSORIES AND INSTALLATION DETAIL AS REQUIRED.
- FAMILIAR WITH ALL DETAILS OF THE WORK AND WORKING CONDITIONS VERRY ALL RIELD CONDITIONS INCLUDING LOCATION OF WILLTHY LINES STRUCTURES AND ADVISE THE ENGINEER OF ANY DISCREPANCY THAT THAY PREVENT OR HINDER THE SPECFIED WORK FROM DEING COMPLETED.
- CONDITIONS AFFECTING THE WORK AND SHALL COORDINATE THE WORK ACCORDINGLY. THE CONTRACTOR SHALL PROVIDE ALL ACCESSORES HAVE SEED, AND ANALORS AS RECESSARY TO MEET SUCH CONDITIONS WITHOUT ADDITIONAL COST TO THE CUNER.
- 73. PRIOR TO ACCOPPLISHING ANY WORK IN ANY AREA, ALL WORK SHALL BE PLANNED AND COORDINATED WITH OTHER TRADES AND THE OWNER, THE CONDUTT CONTING SHALL BE COORDINATED WITH DUCTWORK AND OTHER OBSTACLES SO AS TO PROVIDE THE POST EFFICENT AND ASSISTEDICALLY PLEASOR INSTALLATION AND ASSIST
- 6. PROPERLY SUPPORT ALL WORK AND EQUIPMENT INSTALLED UNDER THIS CONTRACT, STUDY ALL DRAUMSS, HAMPACTURERS MISTIRCTION, AND CALLADO DATA TO DETERMINE HOU EQUIPMENT ACCESSORIES, AND RELATED TIETS ARE TO BE SUPPORTED. FOUNTED OR BUSINESSORIES, AND ACCESSORIES FOR PROPER SUPPORT OF EQUIPMENT BENG RENINGED WORK THIS CONTRACT.

RISER LEGEND

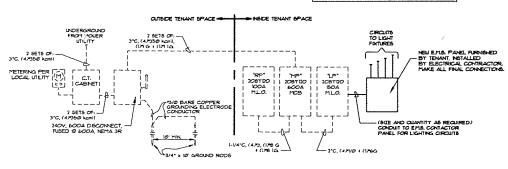
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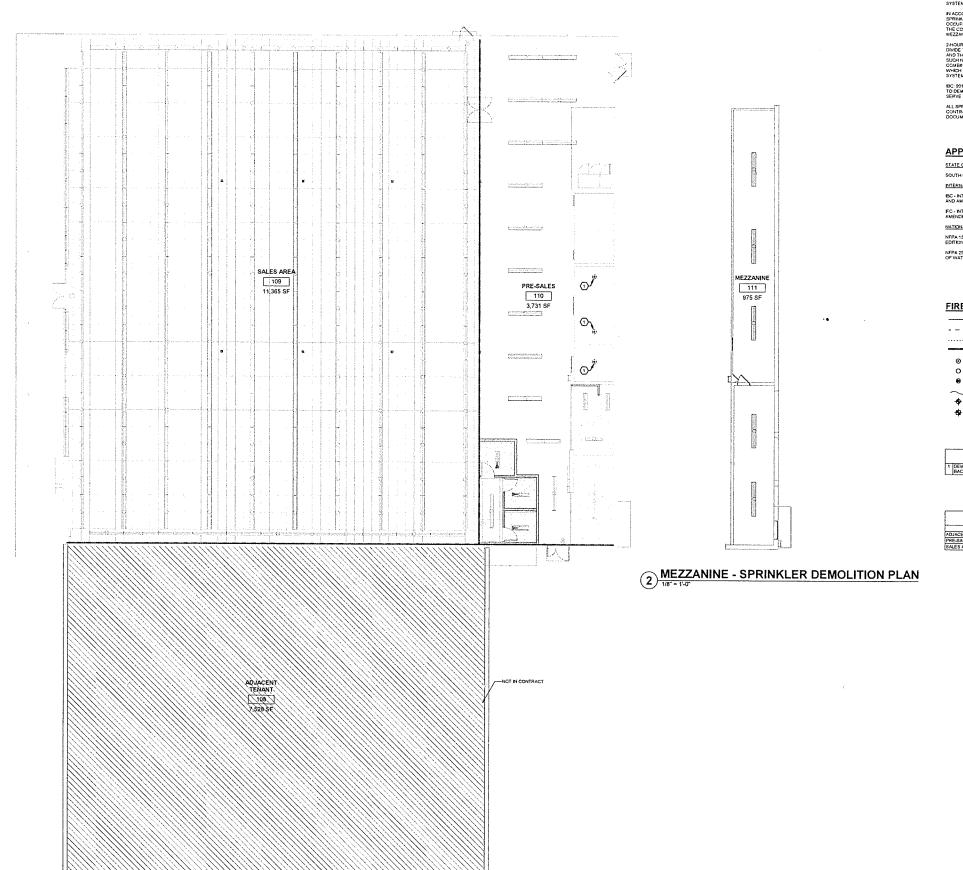




[JANATION (B) PENTENTS 26490 SC HWY 121, PROJECT#803780 WHITMER, SOUTH CAROUN HOTES I RISER DIVERMY

E-4

drawing



SCOPE OF WORK

APPLICABLE CODES AND STANDARDS

STATE CODE

SOUTH CAROLINA STATE BUILDING CODE

INTERNATIONAL CODE COUNCIL

IBC - INTERNATIONAL BUILDING CODE - 2018 EDITION - AS INCORPORATED AND AMENDED BY THE SOUTH CAROLINA STATE BUILDING CODE

FC - INTERNATIONAL FIRE CODE - 2018 EDITION - AS INCORPORATED AND AMENDED BY THE SOUTH CAROLINA STATE BUILDING CODE

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLERS - 2016 EDITION

NFPA 25 - STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS - 2014 EDITION

FIRE PROTECTION LEGEND

- - - EXISTNIG WORK

DEMOLITION WORK

2+IOUR FIRE BARRIER

PIPE BREAK
POINT OF NEW CONNECTION # LIMIT OF DEMOLITION

KEYED NOTES

1 IDEMOLISH PENDENT SPRINKLER AND ASSOCIATED ARM-OVER PIPEX
BACK TO DOMESTIC WATERLINE AND CAP.

BUILDING FIRE AREAS		
NAME	FIRE AREA	
ADJACENT TENANT	7,528 SF	
PRE-SALES AND MEZZANINE	4,706 SF	
SALES AREA	11 265 SE	



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NCF NCF COK









FP-101



	DEVICE LEGEND
SYMBOL	DESCRIPTION
SSC	HVAC UNIT CONTROLLER (SIMPLESTAT)
TRC	HVAC UNIT CONTROLLER (TRC)
—DTS	DUCT TEMPERATURE SENSOR
STS	SPACE TEMPERATURE SENSOR
(OLS)	OUTDOOR LIGHT SENSOR
OHS/OTS)	OUTDOOR TEMPERATURE & RELATIVE HUMIDITY SENSORS
(RTS)	REMOTE TEMPERATURE SENSOR
(CO ₂ S)	INDOOR CO ₂ SENSOR
(HS)	INDOOR RELATIVE HUMIDITY SENSOR
(ILS)	INDOOR LIGHT SENSOR
DOOR SENSOR	O/H DOOR SENSOR
SID	SECURITY INTERFACE DEVICE
eSC	eBUILDING SYSTEM CONTROLLER
ROS	REMOTE OVERRIDE SWITCH
occ	OCCUPANCY SENSOR

CABLE LEGEND

SHIELDED PLENUN WINDY CITY

SHIELDED

NON SHIELDED

NON SHIELDED

PLENUM

PLENUM

PLENUM

CAT5 E

MFG

WINDY CITY

WINDY CITY

WINDY CITY

WINDY CITY

MFG PART

002320-S

002340-S

002392-S

002393-S

5556140-S

KEY SIZE TYPE

18/2

18/4

18/8

18/10

24/8

10

12

14

16

18

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	DATE.	ECN#:					
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	DATE:	ECN#:					
	DRAWN:WPC	ENGINEER: CGP					
	PART #: 94-403	OPTION: P					

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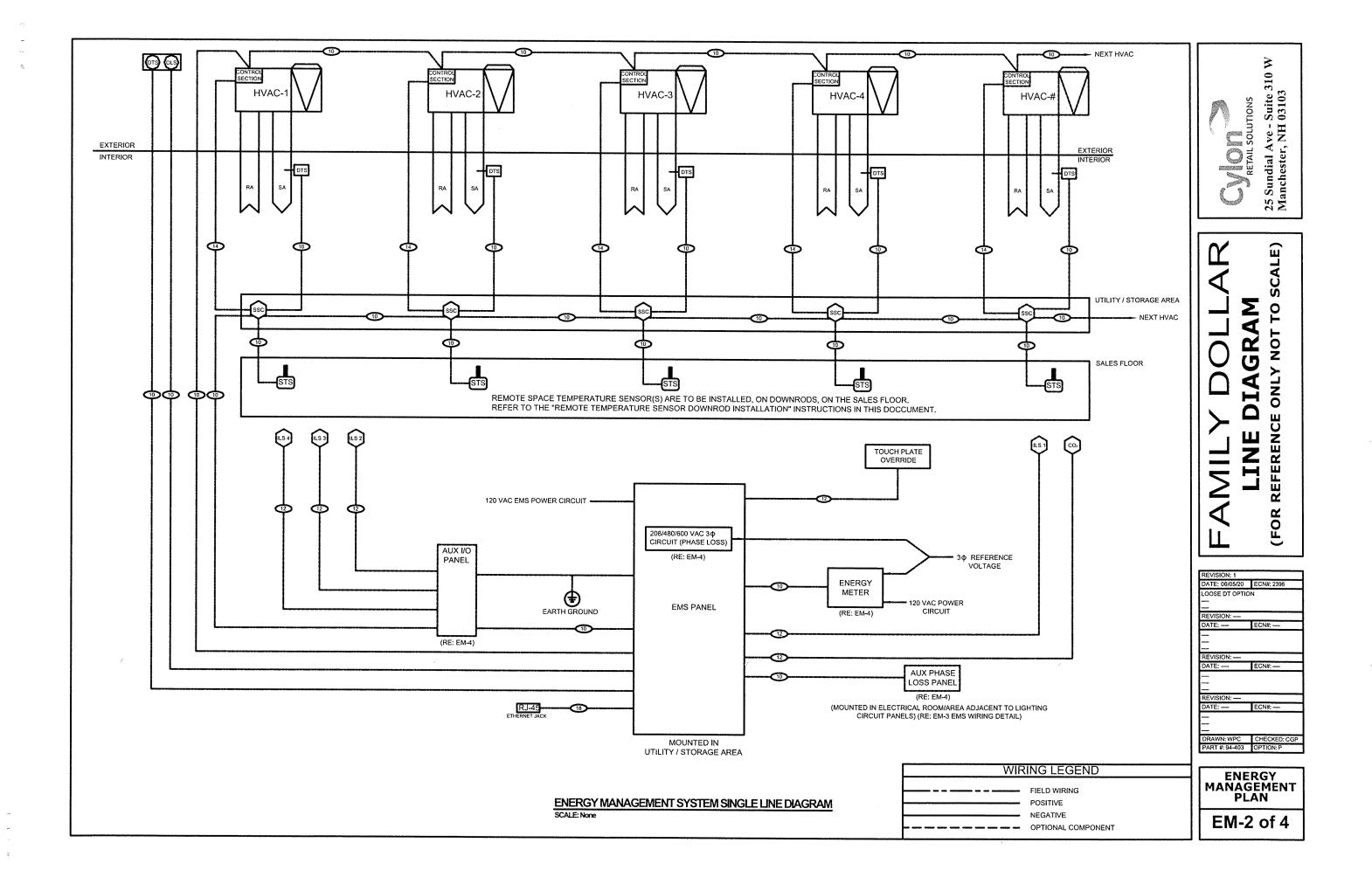
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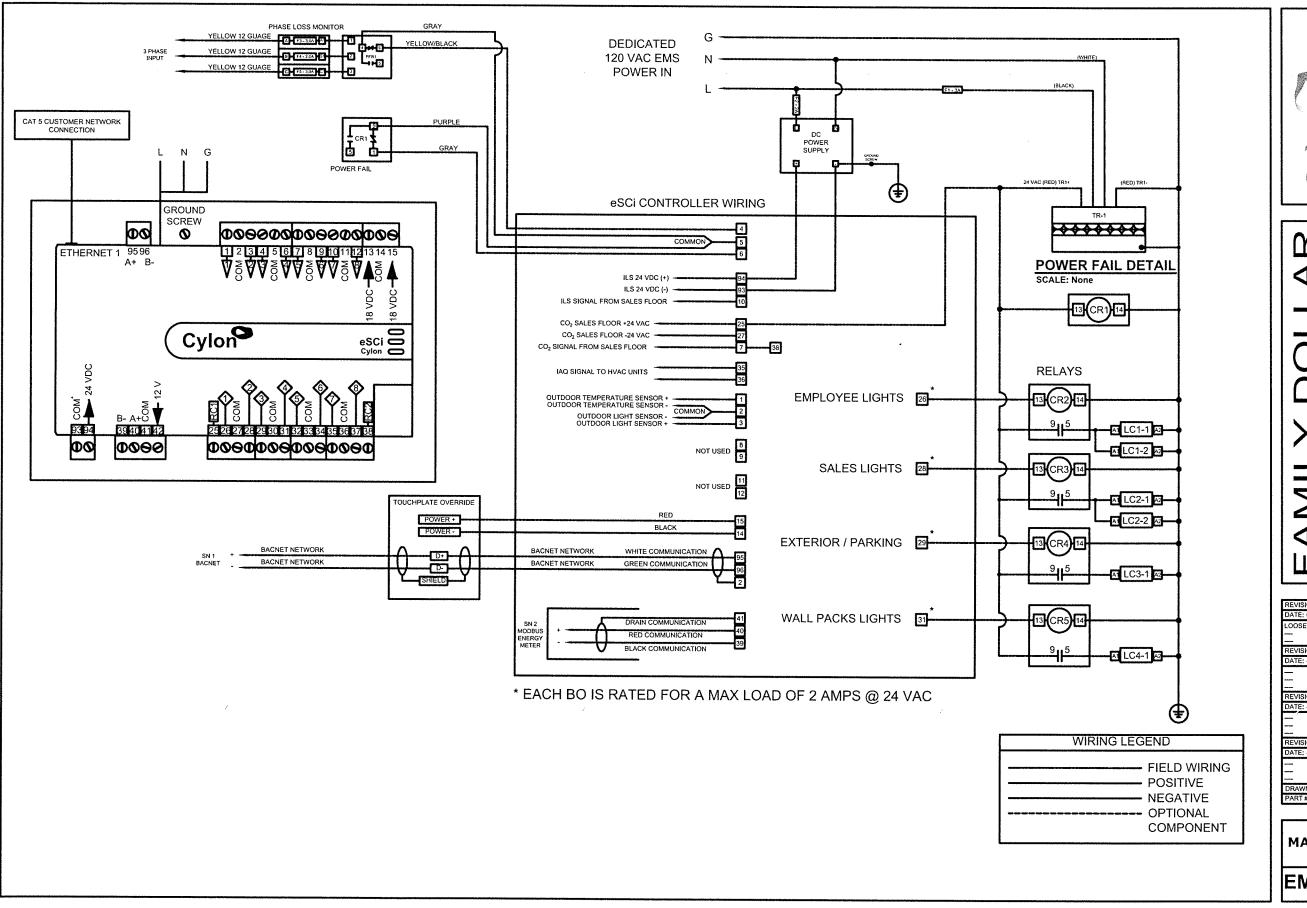
UTIONS

RETAIL.

ENERGY MANAGEMENT PLAN

EM-1 of 4



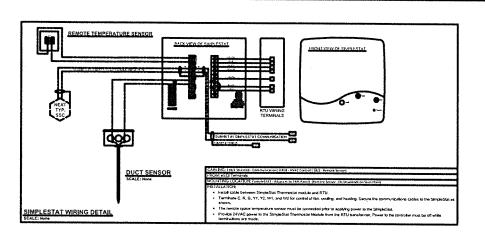


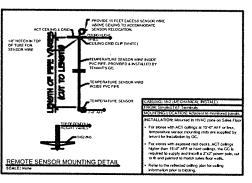


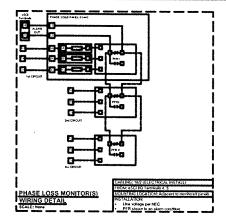
FAMILY DOLLAR FIELD WIRING

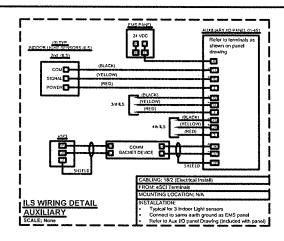
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PART #: 94-403	OPTION: P

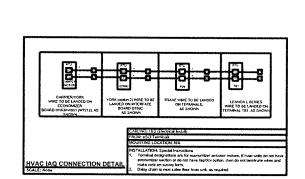
ENERGY MANAGEMENT PLAN EM-3 of 4

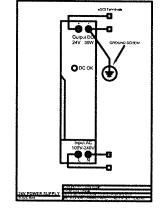


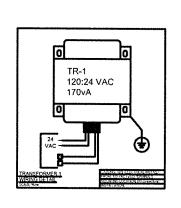


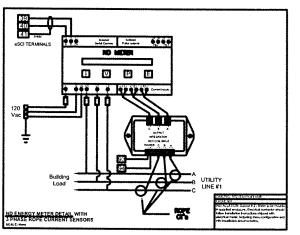


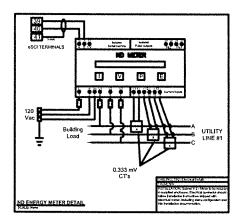


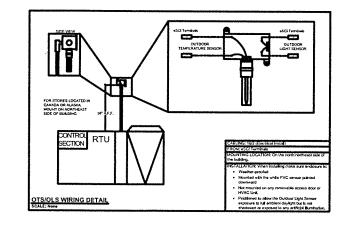


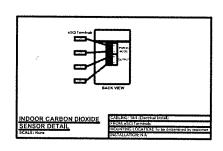


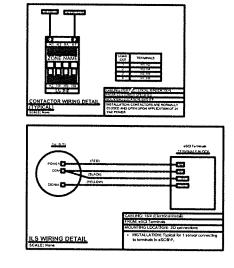


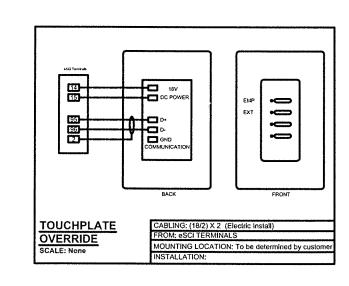












FAMILY DOLLAR EQUIPMENT DETAILS (FOR REFERENCE ONLY NOT TO SCALE)

25 Sundial Ave - Suite 310 W Manchester, NH 03103

RETAIL SOLUTIONS

ENERGY MANAGEMENT PLAN EM-4 of 4