<u>.</u>	THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS
	OF ARCHITECTURE, DESIGN CONCEPT OF THE BUILDING AND ANY MAJOR
	ARCHITECTURAL ELEMENTS OR MAJOR TYPES OF MEP AND STRUCTURAL
	ELEMENTS. THE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL
	WORK FOR FULL PERFORMANCE AND COMPLETION OF THE SCOPE INDICATED,
	DESCRIBED OR IMPLIED. THE GENERAL CONTRACTOR SHALL FURNISH ALL
	ITEMS REQUIRED FOR THE EXECUTION AND TIMELY COMPLETION OF THIS
	PROJECT.
2.	PRIOR TO COMMENCEMENT OF WORK THE GENERAL CONTRACTOR SHALL
	CADEFINITY STUDY THE CONTRACT DOCUMENTS AND ALL EVISTING SITE

AREFL SONDI⊤ ANY ' DI ANY CONSISTENC ANY CONSTRUC SCREPANCIES AN ACCEPTANCE O E OF THE CONDITIONS TO PROPERLY PERFORM ALL REQUIRED

- 5 THESE DRAWINGS AND COPIES THEREOF ARE LEGAL INSTRUMENTS OF SERVICE FOR USE BY THE CLIENT AND CORTLAND MORGAN ARCHITECTS ONLY.
- . TRADES SHALL BE RESPONSIBLE FOR KNOWLEDGE OF RELATIVE ORMATION CONTAINED IN DOCUMENTS AND THE CONDITIONS UNDER WHICH EY WILL BE EXPECTED TO PERFORM.
- DIMENSIONS AND DETAILS SHALL BE VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION. TYPICAL DETAILS SHALL APPLY WHERE SPECIFIC DETAILS (OR SECTIONS) ARE NOT GIVEN.
- 7. 0 DEVIATIONS FROM THESE DOCUMENTS NECESSITATED BY FIELD CONDITIONS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY.
- œ DO NOT SCALE DRAWINGS. BEFORE COMMENCING CONSTRUCTION CONTRACTOR SHALL VERIFY ALL DIMENSIONS. NOTIFY ARCHITECT IMMEDIATELY IF A CONFLICT ARISES WHILE INTERPRETING THE PLANS. ALL CONSTRUCTION SHALL CONFORM WITH THE CURRENT BUILDING CODES AND ALL LAWS AND ORDINANCES OF THE AGENCIES HAVING JURISDICTION.
- 9 BUILDING SIGNAGE IS NOT PART OF THIS/THESE CONSTRUCTION DRAWINGS (N.I.C.). ALL SIGNAGE WORK, PERMITTING, FABRICATION, INSTALLATION, MATERIALS, METHODS, ETC... ARE NOT IN SCOPE AND SHALL BE PERFORMED BY LICENSED PERSONNEL AS SELECTED BY THE OWNER.
- 10. UNLESS OTHERWISE NOTED, STATED MANUFACTURER'S ITEMS SHALL BE "OR EQUAL". CONTRACTOR SHALL RECEIVE APPROVAL FOR ALL SUBSTITUTIONS IN WRITING BY ARCHITECT PRIOR TO BID AND/OR INSTALLATION.
- THE REVIEW OF SHOP DRAWINGS BY THE ARCHITECT SHALL NOT RELIEVE IN ANY MANNER THE GENERAL CONTRACTOR FROM RESPONSIBILITY FOR DEVIATIONS FROM THE DRAWINGS OR SPECIFICATIONS.
- 12. ALL PRIMARY ENTRANCES AND REQUIRED EXITS TO AND FROM THE BUILDING SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY HANDICAPPED.
- 1<u>3</u>. 14 . FIRE PROTECTION FACILITIES, INCLUDING ACCESS MUST BE PROVIDED PRIOR TO AND DURING CONSTRUCTION.
- <u>ลี้</u> 5

- NOTES
   AL REQUERD EXISTO BE OPERABLE FROM THE INSDE WITHOUT THE INSDE WITHOUT THE INSDE WITHOUT THE INSDE VIEW PROVIDE A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. NO DEAD BOLTS, N. SLUDING BOLTS.
   ALL DECORATIVE MATERIALS SHALL COMPLY WITH ALL ARTICLES OF THE BUILDING COLL.
   CONSTRUCTION SHALL CONFORM WITH CURRENT ADALAND LIFE SAFETY-INTERVIEW.
   PANC HARDWARE TO BE INSTALLED AT REAR EXIT DORS.
   PANC HARDWARE TO BE INSTALLED AT REAR EXIT DORS.
   PANC HARDWARE TO BE INSTALLED AT REAR EXIT DORS.
   PANC HARDWARE TO BE INSTALLED AT REAR EXIT DORS.
   PANC HARDWARE TO BE INSTALLED AT REAR EXIT DORS.
   PANC HARDWARE TO BE INSTALLED AT REAR EXIT DORS.
   PANC HARDWARE TO BE INSTALL SUBJECT. THE CONTRACTOR FURTHER AND MATE ACCEPTANT WILL BE FEELER THAN ONE (TO CONSTRUCT FOR THE ROUTED AND/OR EXPLANDED AND/OR EXPLAND AND ACCEPTANT WILL BE RECORDS DEFECT DURING THE PROPER NATURE.
   THE CHARACTER AND SCOPE OF WORK ARE LLLUSTRATED BY THESE WOYS SHALL BE RESPONSIBLET OF THE PROPER NATULATION OF THE WORK.
   PROFECTION OF EXISTING WORK.
   FROEDULIES TO WORK IS REALT.
   THE RESPONSIBILITY OF THE CONTRACTOR TO ASSERTANT THE FOULT SAME ALL THE DRAWN.
   CONTRACTOR SHALL DEFAULT THE WHICH ERCONDER TO CHED REPORTS IN MARKED AND AND RECULATIONS OF EXISTING WORK.
   CONTRACTOR SHALL DEFAULT TO THE REPORT OF THE REPORT OF THE REPORTS.
   CONTRACTOR SHALL DEFAULT ALL REQUIRED APPROVALS FROM OVERNIES.
   CONTRACTOR SHALL DEFAULT RECURED APPROVALS FROM OVERNIES.
   CONTRACTOR SHALL DEFAUNCE WORK ON THE PREMISES.
   CONTRACTOR SHALL DEFAUNCE WITH ALL RECURED ARITICING.
   CONTRACTOR SHALL DEFAUNCE WORK ON THE PREMISES.
   CONTRACTOR SHALL DEFAUNCE WORK ON THE PREMISES.
   CONTRACTOR SHALL DEFAUNCES WILL BE RECURED.
   CONTRACTOR TO VEREAR CONTINUE OF EXISTING CONDITIONS.

- GENERAL CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR SECURING PERMITS REQUIRED BY ALL JURISDICTIONS.
- BUILDING ADDRESS NUMBERS SHALL BE EASILY VISIBLE FROM THE STREET. ALL REQUIRED EXIT SIGNS SHALL BE SELF-ILLUMINATING, RED AND WHITE IN COLOR (UNLESS ALTERNATE COLOR SPECIFICALLY NOTED) AND WIRED TO BUILDING ELECTRICAL WITH BATTERY BACKUP (TYPICAL).









LINE BUBBLE	A REFERENCE REFERENCE REFERENCE	THE MORE GREATER 450. CE, CE,	THE USE THE USE TR, NO CLUDED IN OF FINAL S THAN PLACED AT PLACED
MERCANTIE MERCANTIE I PER 500 I PER 500	OCCUPANCY CLASSIFICATION:       MERCANTILE, GROUP M         OCCUPANT LOAD: SALES AREA: 6.334 SQ. FT. AT 30 SQ. FT./OCC. = 212 OCCUPANTS STOCK AREA: 628 SQ. FT. AT 300 SQ. FT./OCC. = 3 OCCUPANTS OFFICE: 47 SQ. FT. AT 100 SQ. FT./OCC. = 0 OCCUPANT CASH WRAP: 148 SQ. FT. AT 100 SQ. FT./OCC. = 0 OCCUPANTS FITTING ROOMS: 67 SQ. FT. AT 0 SQ. FT./OCC. = 0 OCCUPANTS TOTAL:         FEGRESS REQUIREMENTS:       (214 OF OCCUPANTS) X 0.2 = (42.8")         EGRESS WDTH PROVIDED:       1-72°DOOR OPENING+2-(36" DOOR OPENING=144")         NUMBER OF EXITS REQUIRED:       2         NUMBER OF EXITS PROVIDED:       3         MAX. ALLOW. TRAVEL DIST. TO EXIT: 250FT         MAX. CALC. TRAVEL DIST. TO EXIT: 113 FT         SEPERATION OF EXITS:       ACCEPTABLE         OCCUPANT LOAD FOR PLUMBING FIXTURES:	PROJECT DATA         PROJECT DESCRIPTION:         NEW TENANT IMPROVEMENT OF AN EXISTING, RETAIL LEASE SPACE OF APPROXIMATELY 7,500 SQ. FT. LOCATED WITHIN LEGACY PLACE FOR A NEW CHANNICAL, PLUMBING AND ELECTRICAL WORK.         APPLICABLE CODES:         BUILDING-FLORIDA BUILDING CODE 2007 WITH 2009 SUPPLEMENTS-BLDG. VOLUME PLUMBING-FLORIDA BUILDING CODE 2007 WITH 2009 SUPPLEMENTS-PLANG. VOLUME FURBING BUILDING CODE 2007 WITH 2009 SUPPLEMENTS-PLANG. VOLUME FUEL CAS CODE FLORIDA BUILDING CODE 2007 WITH 2009 SUPPLEMENTS-PLANG. VOLUME ACCESSIBILITY-ANSI-117.1-2003 EDITION         BUILDING-FLORIDA BUILDING CODE 2007 WITH 2009 SUPPLEMENTS-PLANG. VOLUME ACCESSIBILITY-ANSI-117.1-2003 EDITION         BUILDING FLORIDA BUILDING CODE 2007 WITH 2009 SUPPLEMENTS-PLANG. VOLUME ACCESSIBILITY-ANSI-117.1-2003 EDITION         BUILDING TODE SUPPLEMENTS-PLANG. VOLUME SUPPLEMENTS-PLANG. VOLUME ACCESSIBILITY-ANSI-117.1-2003 EDITION         BUILDING TODE FLORIDA BUILDING CODE 2007 WITH 2009 SUPPLEMENTS-GAS VOLUME ACCESSIBILITY-ANSI-117.1-2003 EDITION         BUILDING TODE FLORIDA BUILDING CODE 2007 WITH 2009 SUPPLEMENTS-GAS VOLUME ACCESSIBILITY-ANSI-117.1-2003 EDITION         BUILDING TODE FLORIDA         BUILDING TODE FLORIDA         BUILDING TODE FLORIDA         BUILDING TODE SUPPLEMENTS-GAS VOLUME ACCESSIBILITY-ANSI-117.1-2003 EDITION         BUILDING TODE SUPPLEMENTS-GAS VOLUME ACCESSIBILITY-ANSI-117.1-2003 EDITION	NEW T
THE TRANSPORTED PARTY OF THE TRANSPORTED PARTY OF THE TRANSPORTED PARTY OF THE	ILL: 859.442.8050       Addify         FAX: 859.442.8050       Addify         FAX: 859.442.8050       Addify         I315 W. 53RD STREET SUITE #3       Addify         WEST PALM BEACH, FL       Addify         CONTACT: DAVID ACKNER       Addify         TENANT COORDINATOR       TEL:561.318.8408         EMAIL: dovid@ibisbuild.com       Addify         JURISDICTIONS       Addify         CITY OF PALM BEACH GARDENS BLDG. DIVISION       Addify         10500 NORTH MILITARY TRAIL       SPECIF         PALM BEACH GARDENS, FL 33410       SPECIF         CONTACT: SCOTT DANIELSKI, CHIEF BUILDING INSPECTOR       E1:         FL:: 561.799.4274       E1:         FAX: 561.799.4211       E4.	PROJECT DIRECTORY         TENANT REPRESENTATIVE         Gyen Runnic CHARLIE         System Provide Representation         CHARNIE CERESENTATIVE         System Provide Representation         TEL 713.579.1983         FAX. 713.579.9545         SHEET         CONTACT: LUIS CONTRERAS         TEL 713.579.9545         SHEET         CONTACT: TRICK ARCHITECT         TEL: 817.635.5699         FAX: 817.635.5699         FAX: 817.635.5699         FAX: 817.635.5699         FIL: 817.635.669         FIL: 817.635.669         FIL: 817.635.669         FIL: 817.635.669         FIL: 817.635.6	m Beach Gardens,
Image: Index Devolution Security Se	D       ENLARGED TOILET, MANAGER OFFICE PLANS, ELEVATIONS & NOTES         D       "BACK OF HOUSE" SECTIONS, DETAILS & NOTES         3       CELLING DETAILS         BACK OF HOUSE" SECTIONS, DETAILS & NOTES         CATIONS       NITERIOR ELEVATIONS         DO       NITERIOR ELEVATIONS         DO       NITERIOR ELEVATIONS         DO       NITERIOR ELEVATIONS         DO       NOTES AND DETAILS         DO       NITERIOR ELEVATIONS         DO       NITERIOR ELEVATIONS         DO       NITERIOR ELEVATIONS         DO       NITERIOR ELEVATIONS         DOOR AND ROOM SCHEDULES AND DETAILS       Interior ELEVATIONS         ELECTRICAL POWER AND SYSTEMS PLAN       Interior PLAN         ELECTRICAL LIGHTING PLAN       Interior ELEVATIONS         ELECTRICAL RISER DIAGRAM AND PANEL SCHEDULES       Interior ELEVATIONS	NO. DESCRIPTION NO. DESCRIPTION CUTURAL PRESPONSIBILITY SCHEDULE AND GENERAL NOTES ACCESSIBILITY NOTES AND DETAILS EGRESS PLAN EGRESS PLAN EGRESS PLAN EGRESS PLAN EGRESS PLAN EGRESS PLAN ENTURE LAYOUT FIXTURE ALLOCATION FIXTURE ALLOC	FL 33410
NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOOD SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHEN No. Description No. Description No. Description Date Project No.: 0712 Steel: 08.31.2011 SHEET TITLE: 108.31.2011 SHEET NO.: SHEET NO.:	A CONFLICT IN SCOPE OCCURS.	NEW TENANT IMPROVEMENT FOR: <b>Charming CHARLIE</b> LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410	C O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699 SEAL:

- GENERAL NOTES
- ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS
- 5  $\dot{\mathbf{N}}$ DO NOT SCALE THESE DOCUMENTS. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS SHOULD BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY. THE CLIENT, ARCHITECT, CONSULTANTS AND ALL INSPECTORS FROM PERTINENT AGENCIES SHALL BE PERMITTED ACCESS TO THE JOB SITE AT ALL TIMES DURING NORMAL WORKING HOURS.
- 4. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL PROVIDE PUBLIC PROTECTION AS NECESSARY AND REQUIRED BY GOVERNING CITY AGENCIES.
- J. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE WORK OF ALL SUBCONTRACTORS AND SHALL PERFORM SUCH MISCELLANEOUS WORK AS MAY BE NECESSARY FOR THEM TO COMPLETE THEIR WORK. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH APPLICABLE DRAWINGS, AND SHALL VERIFY THE LOCATIONS OF EMBEDDED ITEMS PRIOR TO POURING CONCRETE AND SHALL VERIFY THE LOCATION OF ALL UTILITIES SERVING THE BUILDING.
- <u>б</u>. THE CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY ALL FEES FOR PERMITS, AND CHECK ALL GOVERNING AUTHORITIES' SPECIFICATIONS FOR CONSTRUCTION, INCLUDING REMOVAL OR RELOCATION OF EXISTING UTILITIES OR OTHER PHYSICAL OBJECTS SHOWN ON PLANS OR OTHERWISE NOTED.
- $\nearrow$ . ALL COSTS FOR INSPECTIONS OR TESTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS NOTED OTHERWISE.
- œ UNLESS NOTED ON THESE DRAWINGS OR IN THE PROJECT MANUAL AS BEING N.I.C. OR EXISTING, ALL ITEMS, MATERIALS, ETC., AND THE INSTALLATION OF SAME ARE A PART OF THE CONTRACT DEFINED BY THESE DOCUMENTS.
- 9.0 IF THERE ARE ANY TRENCHES OR EXCAVATIONS FIVE FEET OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMIT FROM THE GOVERNING AGENCY. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AS NECESSARY TO PROTECT ADJACENT STRUCTURES, PROPERTIES, OR PUBLIC WAYS. MAINTAIN A MINIMUM OF 1 INCH CLEARANCE BETWEEN PROPERTY LINES AND ANY NEW CONSTRUCTION SUCH AS WALLS, FOOTINGS, ETC.
- 10. VIDE METAL CORNER BEAD AT ALL OUTSIDE CORNERS OF PLASTER OR DRYWALL, AND METAL TRIM CASING BEAD AT ALL EDGES OF PLASTER OR DRYWALL WHERE THEY TERMINATE AGAINST ANY OTHER ERIAL, U.N.O. ALL EXTERIOR OR INTERIOR EXPOSED FLASHING TRIM, ETC. SHALL BE PAINTED TO CH ADJACENT MATERIALS, U.N.O. THE CONTRACTOR SHALL PROVIDE BACKING AS REQUIRED FOR ACHMENT OF ALL EXTERIOR OR INTERIOR FINISHES, FIXTURES, ETC.
- 12. 11. KEEP ALL DUCTWORK, CONDUITS, PIP POSSIBLE. ING, ETC., AS CLOSE TO WALLS AND UNDERSIDE OF ROOF AS
- 13. EXIT DOORS SHALL BE OPERABLE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. OR, IN GROUP A-3, B, F, M, OR S OCCUPANCIES, KEY-LOCKING HARDWARE MAY BE USED ON THE MAIN EXIT DOOR(S) IF THERE IS A READILY VISIBLE, DURABLE SIGN ATTACHED ON OR ADJACENT TO EACH DOOR STATING: "THIS DOOR MUST REMAIN UNLOCKED DURING BUSINESS HOURS". THE SIGN SHALL BE IN 1" HIGH LETTERS ON A CONTRASTING BACKGROUND. WHEN UNLOCKED, THE DOOR(S) MUST BE FREE TO SWING WITHOUT THE OPERATION OF ANY LATCHING DEVICE (I.E., PUSH-PULL).
- 14. ALL DOOR HARDWARE SHALL BE MOUNTED FROM 30" TO 44" ABOVE THE FLOOR AND SHALL BE OPERABLE BY A SINGLE EFFORT WITH NO GRASPING OR WRIST MOVEMENT (I.E., LEVERS, PUSH-PULLS, OR PANIC HARDWARE). THE ALLOWABLE CLOSER PRESSURE SHALL NOT EXCEED 5 POUNDS FOR INTERIOR DOORS, 8.5 POUNDS FOR EXTERIOR DOORS, AND 15 POUNDS FOR FIRE DOORS OR DOORS WITH PANIC HARDWARE.
- EXTERIOR DOORS SHALL RECEIVE DEAD BOLTS AND DEAD LOCKING LATCHES. STRAIGHT DEAD BOLTS SHALL HAVE A MINIMUM THROW OF 1" AND AN EMBEDMENT OF NOT LESS THAN 5/8". CYLINDER GUARDS SHALL BE INSTALLED ON ALL CYLINDER LOCKS WHEN THE CYLINDER PROJECTS FROM THE FACE OF THE DOOR OR IS OTHERWISE ACCESSIBLE TO GRIPPING TOOLS. DOOR HINGES ACCESSIBLE FROM THE OUTSIDE SHALL HAVE NON-REMOVABLE PINS. SET DOOR JAMB 2" FROM THE NEAREST FACE OF WALL, U.N.O. THRESHOLDS SHALL HAVE A MAXIMUM HEIGHT OF 1/2" WITH A MAXIMUM VERTICAL CHANGE OF 1/4" TYPICAL. SEPARATE APPROVAL FOR TEMPORARY OR PERMANENT SIGNAGE IS REQUIRED FROM THE CITY AND SHALL BE OBTAINED BY THE G.C.
- 16. 17. <del>أ</del>ح.
- EXTINGU EXTINGUISHERS SHALL BE INSTALLED PRIOR TO BUILDING OCCUPANCY AND RATED 2A 10 BC (4A 40 N LOUNGE). LOCATIONS SHALL BE DETERMINED BY THE FIRE INSPECTOR IN THE FIELD. PROVIDE NGUISHERS EVERY 3000 S.F. AND 75' OF UNOBSTRUCTED WALKING DISTANCE. PROVIDE 2 FIRE NGUISHER CABINETS & 3 FIRE EXTINGUISHERS ON SURFACE MOUNTED BRACKETS
- EASE SCOPE WORK NOTES
- FOR ALL RELATED LANDLORD SCOPE ASSOCIATED WITH LETTER OF INTENT CRITERIA DATED 5/13/2011. THIS PRO DJECT, THIS SET WAS DESIGNED PER
- CONTRACTOR TO OBTAIN A COPY OF TENANT'S LEASE EXHIBIT AND WORK LETTER TO VERIFY LANDLORD'S RESPONSIBILITIES AND TO DETERMINE IF THERE ANY DISCREPANCIES BETWEEN THE RESPONSIBILITY SCHEDULE AND THE DRAWINGS. IF SO, NOTIFY ARCHITECT AND/OR TENANT IMMEDIATELY FOR CLARIFICATION.



- 19. 18.
- ALI, INTERRE WAL, AND CHURE FINHES SHAL, HARE A CLASS II RATHO MINIMUM (FLARE SPEE SADE DEPORTO 430). FLOOR FINHES SHAL, HARE A CLASS II RATHO MINIMUM (FLARE SPEE SHALE DEPORTO 450). FLOOR FINHES SHALL HARE A CLASS II RATHO MINIMUM (FLARE SPEE SHALE DEPORTO ALL DESCENDES.
   ALL ENTERIC OPENAG, TARANIG, COPING, LOPING, LOPING, AND OFFEL, STALL ET C. HERE OFFEL DESCENDES AND MINISTRATICE SHALL HARE A CLASS II RATHO MINIMUM (FLARE SPEE SHALE DEFORT ON FALL DESCENDES. A METAL STANDARD SPECID SO OTHER SHALE WITH CHERCIPE SHALE RE SAULCE A WEITAL STANDARD SPECID SO OTHERSE SPEED OFFEL DESCENDES.
   HOWEN SUCHARD OF ALL DESCHLER A WEITAL SCHUMMA, COPERT, STELL FLC, HERV EXAMINE STANDARDS OF THE LOOK COER A METAL SCHUMMA MINI (FLARE SPEED SO OTHERSES SPEED OFFEL DESCENDE AND FEAD CONDITIONS.
   HOWEN SUCHARD AND A RE HANDLIG SUCH WEITY ACTUAL DIMENSIONES WITH THE CONTRACTOR SHALE PROVED A WEITAL SCHUMP BY THE CONDITIONS.
   HOWEN SUCHARD AND A RE HANDLIG DIFT INSULATION, IN ACCORDANCE WITH THE PROVED EVENTS OF SHOLD CONTRACTOR STANDARDS OF THE LOOK COER ANTHON THE HALD SEED STANDARDS. PROVED WASTC RE DUCT TAPE LOWIN CHERCIPE SHALE WAS DESCENTED BY THE LOW DIRECT STANDARDS. SHALE E CONTRACTOR SHALE AND COERS.
   THE CONTRACTOR SHALL PROVIDE THE STANDARDS. PROVED WASTC RE DUCT TAPE LOWIN CHERCIPE SHALE BOLD SEED CONTRACT THE STANDARDS. PROVIDE WASTC RE DUCT TAPE LOWING CHERCIPES SHALE BY THA LOD CONTRACTOR SHALE E CONTRACTS IN WHAT ALL ACCESS SHALE BY THA LIST OF THE HAATING COUNAND, WITH PROVED EACH ARCA.
   THE CONTRACTOR SHALL PROVED THE STANDARD SHALL COUNTS, SHALE E CONTRACTOR SHALE BY THE A SHALE PROVIDE AN INTERS FOR WITH THE STANDARD SHALL COUNTS, SHALE E FORMER STRUK WAST. SHALE WE STRUK WEI A LIST OF THE HAATING WITH STRUKTURES SHITL HERE SANDARD STRUK WAST. HE LOWEN DIFT. AND MADE HAVEN WEILS CHERE HERE AND AND SHALE COUNTED AN INTERS FOR WITH STRUKTURES SHALE PROVIDE STRUKTES THE HAAT THE STRUK WAST. HERE STRUK WAST. HERE AND CONSTRUCT 20.
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PER PLAN			BULLETIN BOARD		
			FILE CABINET		
MOUNT ON BACKDOOR OF MANAGER'S OFFICE		•	SAFE CERTIFICATION OF OCCUPANCY		
SEE FIXTURE SCHEDULE, BLOCKING BY G.C.			WORK COUNTER/ SHELVING	ASE	YNN
	• •		STAINED/SEALED CONC FLOOR / VINYL BASE	UCTION SITE PLANS	CONS 4" H *DO 1
			CEILING PLATFORM FRAMING/ DECKING	N BOARD/DRY ERASE     Image: Constraint of the second of the	PVC
			2X2 ACT CEILING FINISH		FIRST
BY REMARKS	9C NSTALL		MANAGER'S OFFICE	SS STEEL CORNER GUARDS	STAIN
				TABLE	FOLD
				FRIGERATOR (WHITE)	MINI
			MOD SINK	S S G.C. TO ATTACH TO WALL (SIM. TO SHELVING)	LOCK
PER CODE			H.C. SIGNAGE	ANDING SHELVING SYSTEM	FREE
	)	•	WALL MOUNTED SHELVING	/STAINED CONCRETE	SEAL
		0	SOAP DISPENSER	ONS, PAINTED FINISH	PART
			ACCESSORIES / HANDRAILS		SI
WHITE FRP @ MOP SINK ALCOVE - SEE A504			F.R.P. WALL FINISH		
PFR PLANS AND DETAILS			ELODENC AND BACE		
			PARTITIONS WITH WATERPROOF GYPSUM	MOLITION T L C T L	ס
			CEILING PLATFORM FRAMING/ DECKING		
REMARKS	● 8  F	F	2X2 A.C.T. CELLING FINISH	REPAIR TO NEW CONDITION AS REQUIRED.	F
·····································	Y INSTALL			REFERINT PIFES	=
				SS G.C. TO CONTACT DUROSOL AWNING INC. TO COORDINATE AWNING REQUIREMENTS AND PROVIDE ALL BLOCKING AND SUBSTRATE, AS REQUIRED.	AWN
				RONT FACADE	STOP
				SECURITY SYSTEM	ENTE
ALL SURFACE MOUNTED ITEMS TO BE CAULKED			SILICONE CAULK	HANDLES	Doo
CC VENDOR PROVIDED, INSTALLED BY GC. BLOCKING		0	BENCH (SECURE TO WALL)	MNDOW LOGOS/DECALS	YNIY
CC VENDOR PROVIDED, INSTALLED BY GC.			MILL WORK TRIM	SIGN G.C. TO PROVIDE BLOCKING AS REQUIRED	BLAG
<ul> <li>CC VENDOR PROVIDED, INSTALLED BY GC. BLOCKING</li> </ul>			MIRROR	GENERAL	PAV
CC VENDOR PROVIDED, INSTALLED BY GC. CC VENDOR PROVIDED, INSTALLED BY GC.		0 0	HANGER BARS DOOR ASSEMBLY	REQUIRED.	STOP
G.C. TO PROVIDE BLOCKING AND J-BOX.			WALL SCONCES	S PANELS	ACC
SEE FINISH SCHEDULE			WOOD BASE	RONT FRAMING/GLASS/DOORS	STOP
RE: A103	• •		FLOOR FINISH	AL PIERS	ICAL.
SEE PARTITION DETAILS			INTERIOR PARTITIONS	T L & T L & REMARKS	
BY REMARKS	P 8 NSTAL		FITTING ROOMS		Q.
					LITIES SYMBOL
					ART OF
				OCKING AND PLYWOOD	ALL
				IIT RED INF SET	AS-
NOTE: CHARLIE GIRL ONLY		•	SLAT WALL SYSTEM (WTH TRIM)	NG WALLS METAL STUDS	NKLER DEM
G.C. TO FINISH AS REQUIRED			ALL INTERIOR TRIM	ES TO BE BROOM CLEAN & ASBESTOS	-1/2 PREE
		•	MIRRORS	ALARMS AT ENIT DOORS	) ATH DETE
		•	CASH WRAP ASSEMBLY	HARDWARE	BE
G.C. TO PROVIDE BLOCKING, AS REQUIRED.			WOOD TPM	SERVICE DOOR AT FAIT ACCESS	DESIGNED RFAI
G.C. TO PROVIDE BLOCKING, PER DETAILS.			MODULAR WALL PANEL SYSTEM	OR WALL AND ROOF INSULATION	ER
			DISPLAY HANGERS, VISUAL ITEMS, BUST FORMS	NG TRANSITIONS	
GC			HARDWARE, SHELVING, FACEUDIS, COMPONENTS	ETE SLAB - LEAVE-OUT INFIL	UIRED.
CRATING AND FREIGHT BY FURNITURE VENDOR, UN			LOOSE FLOOR FIXTURES	ETE SLAB - LEVELING	JOINI CON
G.C. CRATING AND FREIGHT BY FURNITURE VENDOR, UNV G.C. CRATING AND FREIGHT BY FURNITURE VENDOR UNV		0	PERIMETER FIXTURES	ETE SLAB - STRIP & CLEAN	ANDBOOK
		•	CASHWRAP/ BACKWRAP COUNTER	ETE SLAB	CON
			FLOORING TRANSITIONS	RARY POWER/ LIGHTS	I AS A TEMI
			FLOOR FINISH	NG, TRASH REMOVAL DUMPSTER	CH TEMI
SEE PARTITION DETAILS			STRUCTURAL COLUMN FINISH	L SIGNAGE/GRAPHICS	EXTERIOR
SEE INTERIOR ELEVATIONS FOR SPECIAL NOTES (RE: A600)	0 (		PAINTED WALL FINISH		ROOF.
AS NECESSARY			FURRING AND BLOCKING	ATION	KE ,
			INTERIOR WING WALL	GC TENANT'S GENERAL CONTRACTOR	SPREAD 200,
PEMARKS			INTERIOR/ SALES	E: THE RESPONSIBILITY SCHEDULE ON SHEET GOO2 SUPERSLUES ALL OTHER WINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.	
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	H.V.A.C.		FZ	8 ~	⊣ ह	FA	8	REMARKS
	AIR HANDLING UNITS HVAC CONTROL WIRE & CONNECTIONS		0			0	0	CONFIRM LANDLORD REQUIREMENTS PROVIDE LANDLORD STANDARD CONTROLS
	DIFFUSERS & GRILLES TOILET EXHAUST FANS							
	THERMOSTATS, SENSORS & CONTROLS							
	REMOVE/SEAL ANY PLENUM FLAMMABLES			) 🔘 📋				
	DUCTWORK							USE EXISTING DUCTWORK
IP AND SET BY	AIR BALANCING SMOKE DETECTORS (AS SHOWN)						0 0	SUBMIT CERTIFIED REPORT TO LANDLORD & OWNER
,P AND SET BY								
	PLUMBING / FIRE PROTECTION	⊐	FI Z	8 3	⊣ <u>⊼</u>	FE	8 8	REMARKS
	DOMESTIC WATER LINE & REUSE LINE	÷	F	🔿  १	-	1	<b>S</b>	G.C. TO EXTEND AND CONNECT AS REQUIRED. PROVIDE NEW SHUTOFF AS REQUIRED.
פב. אצטט)	4" SANITARY LINE						> •	G.C. TO EXTEND AND CONNECT AS REQUIRED
חב. העטעט	ROUGH IN FOR EQUIPMENT						0 (	
	FINAL CONNECTIONS FLOOR DRAINS (AS SHOWN)			0 0			0 0	ONLY UTILIZE LANDLORD REQUIRED PLUMBING CONTRACTOR FOR PLUMBING CORING OR TRENCHING. X-RAY AS REQUIRED. SEE MECHANICAL AND PLUMBING PLAN
	ELECTRIC WATER COOLER							
	WATER HEATER						0 (	
	PLUMBING FIXTURES							SEE TOILET ROOM DETAILS
	SPRINKLER (MAIN) SPRINKLER SYSTEM DESIGN					0	•	G.C. TO EXTEND AND CONNECT AS REQUIRED
	SPRINKLER HEADS & BRANCH LINES MODIFICATION / PAINTING SFRVICE /MOP SINK							PROVIDE NEW HEADS AND BRANCH PIPING AS REQUIRED.
	FIRE EXTINGUISHERS							INSTALL AS DIRECTED BY FIRE MARSHAL
		- 2	) F Z	8 ~	7 2	FE	8 9	REMARKS EXISTING TO REMAIN -
	SERVICE CONDUIT							EXISTING TO REMAIN - EXTENSION BY E.C.
Y 6.C.	DISCONNECT AT LANDLORP'S ROOM		0 0			0 0		EXISTING TO REMAIN - EXTENSION BY E.C. EXISTING TO REMAIN
Y 6.C.	FIXTURE UNISTRUT							GC TO PROVIDE UNISTRUT AS REQUIRED PER PLAN FOR LIGHTING FIXTURES,SECURITY EQUIPMENT, AND SOUND EQUIPMENT.
	ELECTRICAL SUBPANELS METER			0 0			0 0	EXISTING TO REMAIN - RELOCATION BY E.C. FIELD VERIFY IN LANDLORD DISTRIBUTION ROOM. MODIFICATIONS REQUIRED ARE BY GC.
	METER SOCKET FUSES					0	0	FIELD VERIFY IN LANDLORD DISTRIBUTION ROOM. MODIFICATIONS REQUIRED ARE BY GC. N/A
	TRANSFORMER TIME CLOCK						0 0	RELOCATION BY E.C. PART OF LIGHTING CONTROL SYSTEM - SEE MEP
	CONTACTORS FLEC. FOLIDMENT ROLIGH IN							PART OF LIGHTING CONTROL SYSTEM - SEE MEP
	ELEC. EQUIPMENT FINISH							AS SPECIFIED ON REFLECTED CEILING PLAN
	LIGHT FIXTURES EMERGENCY LIGHT FIXTURES	•					0 0	AS SPECIFIED ON REFLECTED CEILING PLAN REFER TO ELECTRICAL LIGHTING PLAN
	EXIT LIGHTING / EXIT SIGNAGE AUDIO SYSTEM AND SALES AREA SPEAKERS	0 0						REFER TO ELECTRICAL LIGHTING PLAN
	CONVENIENCE OUTLETS SERVICE DOOR BELL CHIME			00			0 0	LOCATE PER DRAWINGS AND/OR CHARMING CHARLIE PROJECT
	ADT SECURITY SENSORMATIC SYSTEM (FLOORMAX)	0 0						G.C. TO PROVIDE ROUGH-IN (JUNCTION BOXES AND CONDUIT)
	TELEPHONE CONNECTIONS TELEPHONES	0 0			0 0			
	TELEPHONE SERVICE CONDUIT WITH PULL STRING FIRE ALARM SYSTEM			00			0 0	G.C. TO EXTEND AS REQUIRED G.C. TO COORDINATE INSTALLATION WITH LANDLORD AND FIRE ALARM SUB-CONTRACTOR.
	P.O.S. WIRING/ CASH REGISTERS SENSORMATIC SECURITY SYSTEM	00			0 0		•	CONDUIT'S JUNCTIONS W/ PULL STRING BY G.C. G.C. TO PROVIDE JUNCTION BOXES, CONDUIT, SENSORMATIC PLATFORM AND PULL STRINGS THRU MULLIONS
	SECURITY CAMERA POS CONDUIT WITH PULL	•		0			0 0	G.C. TO PROVIDE ROUGH-IN (JUNCTION BOXES AND CONDUIT) G.C. TO PROVIDE ROUGH-IN (JUNCTION BOXES AND CONDUIT)
	ROOF	2	2	20	Z	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>E</b>	REWARKS
	MISC ROOF PENETRATIONS	-	F	8 🔘	-	F	<b>(</b>	G.C. TO UTILIZE LL ROOFING CONTRACTOR

NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET G002 SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS







SHEET NO.: GOO	Date: Filename: SHEET TITLE: ACCESSIE NOTES / DETAIL	No. Description Project No.: Drawn By: Reviewed By: Scale:	REVISIONS:	NEW TENANT IMPROVEMENT FOR: CLEAR CHARMING CHARMING CHARM	C O R T L M O R G A R C H I T 711 N. FIELDE ARLINGTON, TX PH: (817) 635- FAX: (817) 635- SEAL:
ω	08.31.2011 NND .S	Date 0712 AS NOTED	.1975	المالة       LEGACY PLACE         11380 LEGACY AVE.         PALM BEACH GARDENS, FL, 33410	<b>A N</b> <b>E C T</b> 76012 5699



				A N T			OVIDED.	C. ILDING ILDING ILDING COCAL I H H H H H H H H H H H H H
REPRESENTATIVE AND STRUCTURAL ENGINEER PRIOR TO CUTTING/CORING. 37. CONTRACTOR TO BE RESPONSIBLE FOR LOSS OR DAMAGE OF ITEMS NOTED ON PLANS, WHETHER IN CONTRACT OR NOT IN CONTRACT, ONCE DELIVERED TO SITE.	<ul> <li>32. CONTRACTOR SHALL PROVIDE ACCESS PANELS AS REQUIRED BY PLUMBING, AIR CONDITIONING, SIGNAGE AND OTHER INSTALLERS AS REQUIRED BY CODE.</li> <li>33. ANY DAMAGE BY G.C. OR SUB-CONTRACTOR TO EXISTING ASPHALTIC PAVEMENT, EXISTING LANDSCAPING OR ADJACENT TENANT'S BUILDINGS SHALL BE REPAIRED BY G.C. AT NO COST TO DEVELOPER OR TENANT.</li> <li>34. CONTRACTOR TO INSPECT &amp; VERIFY CONDITIONS OF SITE PRIOR TO CONSTRUCTION &amp; NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS &amp; SCOPE OF WORK DESCRIBED IN THESE PLANS &amp; SPECIFICATIONS.</li> <li>35. THE G.C. SHALL INCLUDE IN THE BID, THE HIGHEST QUALITY AND GREATEST QUANTITY FOR THE PURPOSE OF RESOLVING ANY CONFLICTS IN THE CONSTRUCTION DOCUMENTS, WHICH ARE IMPLIED OR UNDEFINED.</li> <li>36. ALL SAW CUTTING AND CORING LOCATIONS SHALL BE REVIEWED IN FIELD BY THE OWNER'S</li> </ul>	31. AFTER INSTALLING WALL, CEILING, OR FLOOR INSULATION, THE INSTALLER SHALL POST IN A CONSPICUOUS LOCATION IN THE BUILDING A CERTIFICATE SIGNED BY THE INSTALLER STATING THAT THE INSTALLATION CONFORMS WITH THE PLANS AND REQUIREMENTS OF THE PROJECT SPECIFICATIONS THE CERTIFICATE SHALL ALSO STATE THE MANUFACTURER'S NAME AND MATERIAL IDENTIFICATION AND THE INSTALLED R-VALUE.	<ol> <li>29. GENERAL CONTRACTOR SHALL SIGN AND SUBMIT TO THE DEPARTMENT OF BUILDING AND SAFETY A "CERTIFICATE OF COMPLIANCE" STATING THAT THE WORK HAS BEEN PERFORMED AND MATERIALS INSTALLED ACCORDING TO THE PLANS AND SPECIFICATIONS AFFECTING NON- RESIDENTIAL ENERGY.</li> <li>30. CONTRACTOR TO PROVIDE PARKING SPACES ON SITE FOR BUILDING OFFICIALS ARCHITECTS, ETC. THE VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.</li> </ol>	<ul> <li>EVERY PART IN A GOOD AND SUBSTANTIAL MANNER IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, TO THE FULL INTENT OF THE SAME. ANY WORK REQUIRED BY LAW, BUT WHICH MAY NOT BE SPECIFICALLY MENTIONED BY LAW, SHALL BE DONE BY CONTRACTORS IN ACCORDANCE WITH THE LAWS OF THE COUNTY. DISTRICT, OR STATE UNDER WHICH JURISDICTION MAY COME AND COST SHALL BE BORNE BY CONTRACTORS. ANY SUCH WORK SHALL BE DONE IN CONFORMANCE WITH THE PLAN; BOTH AS TO MANNER AND APPEARANCE. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LOCAL GOVERNING AGENCIES.</li> <li>27. THE OWNER AND/OR ARCHITECT RESERVE THE RIGHT TO HAVE TESTS MADE WHEN DEEMED NECESSARY. SHOULD THE ARCHITECT ORDER SPECIAL TESTING OR INSPECTION OF A QUESTIONABLE PART OF THE WORK WHICH REVEALS DEFECTS NOT IN CONFORMITY WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PAY THE COST OF SUCH SPECIAL TESTING OR INSPECTIONS INCLUDING THE ARCHITECTS EXTRA SERVICES MADE NECESSARY THEREBY. OTHERWISE THE OWNER SHALL BEAR SUCH COST.</li> <li>28. TESTS SHALL BE MADE IN ACCORDANCE WITH RECOGNIZED STANDARDS BY A COMPETENT, INDEPENDENT TESTING LABORATORY. ANY MATERIAL FOUND DEFECTIVE OR NOT IN CONFORMITY WITH SPECIFICATION STANDARDS SHALL BE PROMPTLY REPLACED OR REPAIRED AT THE EXPENSE OF THE CONTRACTOR AND SELECTED AS DIRECTED BY THE ARCHITECT. BE FURNISHED BY THE CONTRACTOR AND SELECTED AS DIRECTED BY THE ARCHITECT.</li> </ul>	<ul> <li>23. GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL TRADE WORK TO THE ARCHITECT FOR REVIEW, AND ALSO FOR ITEMS CALLED OUT AS "OR EQUAL", AND IN ACCORDANCE WITH THE PROJECT MANUAL.</li> <li>24. THE CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF DRAWINGS AT THE JOB SITE FOR USE IN MAKING "RECORD DRAWINGS." ANY REVISIONS SHALL BE NOTED THE JOB SITE FOR SUBMITTED TO THE ARCHITECT AT THE COMPLETION OF THE JOB PER THE PROJECT MANUAL. PROVIDE A COPY FOR THE OWNER PER CONSTRUCTION DOCUMENTS.</li> <li>25. THE CONTRACTOR SHALL INFORM THE FIRE DEPT. OF THE REQUIRED FINAL INSPECTION AND SCHEDULE SUCH INSPECTION.</li> <li>26 THE FNTIRF WORK PROVIDED FOR HEREIN IS TO BE CONSTRUCTED AND FINISHED IN</li> </ul>	<ol> <li>THE CONTRACTOR SHALL LOCATE ALL UTILITY CONNECTIONS WITHIN 5'-O" OF THE BUILDING LINE, PROTECT UNTIL ALL CONNECTIONS AND TESTING ARE COMPLETED. CONTRACTOR SHALL TAG LL CONNECTION LOCATIONS WHERE FINSH SURFACES ARE PERMARENT. (LE. CONCRETE, A.C. PANIG ETC.)</li> <li>ALL WORK SHALL CONPEY WITH ALL APPLICABLE REGULATIONS OF THE STATE AND THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION REGULATIONS, AND THE AMERICANS WITH DISABILITIES ACT (A.D.A.) REQUIREMENTS.</li> <li>THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS FOR CONSTRUCTION WATER. DUST SHALL BE CONTROLLED BY WATERING AS REQUIRED.</li> <li>WRITTIN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE ON THE DRAMINGS. DO NOT SCALE THE DRAMINGS.</li> <li>TO FLOORS TO BE POURED UNTIL ALL ELECTRICAL AND MECHANICAL INSTALLATIONS HAVE BEEN APPROVED BY GOVERNING AGENCIES.</li> <li>TORVEL SLAB FOR SMOOTH FINISH WITH NO TROWEL MARKS SHOWING WHEREVER CONCRETE FLOOR IS EXPOSED.</li> <li>TORTACTOR TO PROVIDE MINIMUM CRITERIA FOR FLOOR FLATNESS AND FLOOR LEVEL.</li> <li>A. SLAB OVERALL VALUE FF12/FL15</li> <li>CONCRETE SLAB SURFACES WITH CURING PAPER BEFORE POURING ADJACENT CONCRETE SLABS OR ASPHALTIC CONCRETE PAWING. CONCRETE CONTRACTOR SHALL BE CARNED UP AND DISPOSED OF IN AN APPROVED MANNER ON A DAILY BASS.</li> <li>ALL COMBUSTBLES CONSISTING OF BOXES, SCRAP LUMBER, ETC., ON THE CONSTRUCTION SECIFIED OR INDICATED ON THE PLANS.</li> <li>CONTRACTOR TO VERIFY THAT ROOF ELEVATIONS SHOWN ON PLANS FROME CUIPS, WASHERS, PLATES, HANGERS, ETC., FOR A COMPLETE INSTALLATION WHETHER OR NOT SPECIFIED OR INDICATED ON THE PLANS.</li> <li>CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL TRADE WORK TO THE ROOF DRAINAGE AND THAT THEY CONFORM TO MINIMUM DRAINAGE STANDARDS PRIOR TO ROOF DRAINAGE AND THAT THEY CONFORM TO MINIMUM DRAINAGE STANDARDS PRIOR TO ROOF DRAINAGE AND THAT THEY CONFORM TO MINIMUM DRAINAGE STANDARDS PRIOR TO ROOF DRAINAGE AND THAT THEY CONFORM TO MINIMUM DRAINAGE STANDARDS PRIOR TO ROOF DRAINAGE AND THAT T</li></ol>	<ul> <li>4. ALL COSTS FOR INSPECTIONS, TESTS AND BUILDING PERMITS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS.</li> <li>5. THE CONTRACTOR TO INCLUDE COST FOR ALL REQUIRED SITE STAKING.</li> <li>6. CONTRACTOR SHALL PROVIDE PEDESTRIAN PROTECTION AS PER LOCAL JURISDICTION. SEPARATE PERMITS REQUIRED FOR PEDESTRIAN PROTECTION, DEMOLITION, PLUMBING, ELECTRICAL, MECHANICAL WORK, HEALTH DEPARTMENT, AND AS REQUIRED BY THE LOCAL GOVERNING AGENCIES.</li> <li>8. THE GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT SHALL BE NOTIFIED BY THE CONTRACTOR AND OWNER THAT GRADING IS TO COMMENCE AND MAKE ALL NECESSARY ARRANGEMENT FOR FIELD INSPECTOR.</li> <li>9. SIGN CONTRACTOR SHALL ACQUIRE SEPARATE BUILDING DEPARTMENT PERMITS FOR INSTALLATION OF ALL EXTERIOR BUILDING SIGNS AS REQUIRED BY CODE.</li> <li>10. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.</li> </ul>	<ul> <li>EGRESS FLOOR PLAN</li> <li>EGRESS FLOOR PLAN</li> <li>EGRESS FLOOR PLAN</li> <li>ALL MATERIALS AND WORK SHALL CONFORM TO THE LATEST EDITION OF THE STATE AND LOCAL BUILDING CODES, ORDINANCES AND REGULATIONS AND OTHER GOVERNING LOCAL AGENCIES AS REQUIRED. ONE (1) COPY OF THESE CODES AND REGULATIONS SHALL BE MADE AVAILABLE AT THE CONTRACTORS FIELD OFFICE DURING CONSTRUCTION.</li> <li>CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE, AND REPORT TO INSTALLATION. COST OF CORRECTING WORK BASED ON MISINTERPRETATION AND/OR CORRECTIONS FRIOR TO INSTALLATION. COST OF CORRECTING WORK BASED ON MISINTERPRETATION BY CONTRACTOR OR UNREPORTED DIMENSIONAL ALL DIMENSIONS MARKED DISCREPANCIES SHALL BE BORNE BY THE CONTRACTOR. 'CLEAR' SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESS OF ALL FINISHES INCLUDING CARPET, PAD, CERAMIC TILE, V.C.T., ETC.</li> <li>CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL HOURS: AND THAT THE CONTRACTOR SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL HOURS: AND THAT THE CONTRACTOR SHALL DEFEND: INDEMNIFY AND HOLD THE OWNER AND THE ARCHITECT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.</li> </ul>
G004	NOTE: THE RESPONSIBILITY SCHEDUL SHEET TITLE: PLAN BCRESS	LE ON SHEET GOO2 SUPE Scale: AS NOTED Date: 08.31.2011	RSEDES OTHER DRAWINGS IN No. Description Date Drawn By:	IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.	CLIENT: CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975	NEW TENANT IMPROVEMENT FOR: Charming CHARLIE LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410	A PROJECT FOR:	C O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699 SEAL:

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81	30	Awg.	ASTM	Barcol Hardness
$2.39 \times 10^{-6}$	2.22 x 10 <sup>4</sup>	in/in /'F	ASTM D-696	Cost. of Linear Thermal Expansion
7.16	7.0	ftIbs. Jin.	ASTM D-256	bod Impact Strength
0.72	0,17	%	ASTM D-570	Water Absorption 21°C @ 72 hrs.
1.80	1.20	*	ASTM D-638	% Elongation
3.1 x 10 <sup>6</sup>	9.43 x 10 <sup>5</sup>	3	ASTM D-638	Tensile Modulus
7,000	8,000	Z	ASTM D-638	Tensile Strength
$3.1 \times 10^{5}$	6.0 x 10 <sup>5</sup>	PSI	ASTM D-790	Flexural Modulus
10,000	17,000	ISd	ASTM D-790	Flexural Strength
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CT NAME   • C518-	OFOAM <sup>™</sup> BRAND DEC RUDED POLYSTYRENE	
Standard Test Method	CKMATE™ PLUS FA	

2. MANUFACTURER The Dow Chemical Company Dow Building Solutions 200 Larkin Miclanci, MI 48674 1-866-583-BLUE (2583) Fax 1-989-832-1465	I. PRODUCT NAME STYROFOAM <sup>IM</sup> Brand DECKMATE <sup>IM</sup> Plus FA Extruded Polystyrene Foam Insulation	STYROFOAM <sup>™</sup> BR EXTRUDED POLYS
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Pax 1-000 Chemical Canada ULC Dow Building Solutions 450 - 1st St. SW Suite 2100 Calgary, AB T2P 5H1 1-866-583-BLUE (2583) (English) 1-866-583-BLUE (2583) (English) 1-800-363-6210 (French) www.dowbuildingsolutions.com

3. PRODUCT DESCRIPTION STYROFOAM<sup>TM</sup> Brand DECKMATE<sup>TM</sup> Plus FA Feam Insulation is an extruded polystyrene toam insulation with a planed surface. It has excellent insulating characteristics, high resistance to water and water vapor, excellent treeze-thaw resistance, exceptional compressive strength and long-term durability.

BASIC USE STYROFOAM<sup>TM</sup> Brand DECKMATE<sup>TM</sup> Plus FA Foam Insulation is designed for use in fully adhered conventional low-slope coof applications. Available in flat and tapered board stock (see Table 3 for slopes of tapered panels), the installed directly on structural steel decks beneath a non-bituminous sheet membrane, eliminating the need for a thermal barrier.

4. TECHNICAL DATA APPLICABLE STANDARDS STYROFOAM<sup>TM</sup> Brand DECKMATE<sup>TM</sup> Plus FA Feam Insulation meets ASTM C578, Type IV – Standard Specification for Rigid Cellular Polystyrene Thermal Insulation, which includes: **ENVIRONMENTAL DATA** STYROFOAM<sup>TM</sup> Brand DECKMATE<sup>TM</sup> Plus FA Feam Insulation is hydrochlorofluorocarbon (HCFC) free with zero ozone-depletion potential, STYROFOAM<sup>TM</sup> Brand DECKMATE<sup>TM</sup> Plus FA Feam Insulation is reusable in many applications.

**TRE PROTECTION STYROFOAM<sup>TM</sup> Brand SDCKMATE<sup>TM</sup> Plus FA Foam STYROFOAM<sup>TM</sup> Brand SDCKMATE<sup>TM</sup> Plus FA Foam SDCKMATE<sup>TM</sup> Plus FA FoA <b>SDCKMATE<sup>TM</sup> Plus FA FOA <b>SDCKMATE SDCKMATE SDCKMATE SDCKMATE SD** 

AVAILABILITY STYROFOAM<sup>IM</sup> Brand DECKMATE<sup>IM</sup> Plus FA Feam Insulation is manufactured in several locations across North America and is distibuted through an extensive network of roofing distributors. For more information, call: 1-800-232-2436 (Erench)

 
 1/3\*Stope
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 TABLE 4: WIND UPLIFT APPROVALS FOR STYROFOAM "® BRAND DECKMATE "PLUS FA EXTRUDED POLYSTYRENE FOAM INSULATION ADHERED TO THE DECK WITH INSTA STIK QUIK "SET ADHESIVE APPROVAL TYPE FACTORY MUTUAL (FM)
 UNDERVIRITERS LABORATORES, INC. (UI)

 Assembly or File #s
 229716, 229710, 229710, 229711, 229715, 229715, 229712, 229715, 229712, 2297

Coverboard/ Insulation

 TABLE 5: PHYSICAL PROPERTIES (U.S.) OF STYROFOAM "\*

 BRAND DECKMATE "\* PLUS FA EXTRUDED POLYSTYRENE FOAM INSULATION

 PROPERTY AND TEST METHOD
 VALUE

 Themal Resistance per in. ASTM C518 0.75°F mean temp., if \*1\*\*\*F/EBu, F-value<sup>0</sup>, min.
 5.0

 Compressive Strength<sup>0</sup>, ASTM D1621, psi, min.
 0.3

 Water Vapor Permeance<sup>10</sup>, ASTM E96, perm, max.
 0.3

 Vater Vapor Permeance<sup>10</sup>, ASTM E96, perm, max.
 165

 Coefficient of Unear Thermal Expansion, ASTM D5696, in/n\*\*F
 3.5 x 10°

 Flexural Strength, ASTM D2126, % linear change, max.
 2.0

 Plame Spread<sup>10</sup>, ASTM E84
 155

 Smoke Developed, ASTM E84
 156

 1) Strengts estations to beat ther Treagner tee R-value, the greater tee nucleating power.
 1166

Smoke Generation

N/A

<450

450

Flash Ignition Temp.

6

430

400

Self Ignition Temp.

ASTM 1929 ASTM 1929 ASTM E-84 E-84

ó

\$5

430

N/A

\$ 200

a 25

Flame Spread

Abrasion Resistance

TABER

% WT Loss

0.293

0.391

 TABLE 6: PHYSICAL PROPERTIES (CANADIAN) OF STYROFOAM '\*

 BRAND DECKMATE '\* PLUS FA EXTRUDED POLYSTYRENE FOAM INSULATION

 PROPERTY AND TEST METHOD
 VALUE

 Thermal Resistance per in. (25 mm), ASTM OS 18 & 75°F (24°C) mean temp, ft\*h\*°F/Btu (m\*°C/W), F-value (RS)/V, min.
 25 (170)

 Compressive Strength\*, ASTM D2842, % by volume, max.
 0.9

 Water Absorption, ASTM D2842, % by volume, max.
 1.5 (90)

 Maximum Use Tempereture, \*F (\*C)
 0.9

 Coefficient of Linear Thermal Expansion, in/n\*°F
 (8.3 × 10°)

 Insuesional Steingth, ASTM C203, psi (kPa) min.
 50 (350)

 Dimensional Steingth, ASTM 02128, % linear change, max.
 1.5

 (2) Minasi congenity to the house the file and of Ri. It to gravite the matang power
 1.5

Adhesive Type 
 229/12
 Single-Ply:

 Single-Ply:
 Firestone

 Building Products Company,
 mopped or corch applied modified

 LLC
 mopped or cold applied built-up system,

 DensDeck Prime achered
 DensDeck Prime. DensDeck, USG

 to STYROFOAM™ Brand
 SECUROCK or other manufactured

 DECKMATE™ Plus FA
 SECUROCK or other manufactured

 DECKMATE™ Plus FA
 Plus FA

 applied in 3/4\* to 1\* ribbon
 INISTA STIK™ Ouik Set applied in 3/4\*
 INSTA STIK<sup>TM</sup> Quik Set applied in 3/4\* to 1\* ribbon beads Concrete Steel, Concrete

Deck Type

1/2

/2"Slope Iominal Board

substrate ...... or thermal upgrading of existing roofing when reroofing is required. TABLE 3: SLOPES FOR STYROFOAM ''' BRAND DECKMATE '' PLUS FA EXTRUDED POLYSTYRENE FOAM INSULATION A B C D - ensigned 1/2-3/4 3/4-1 1-1/4 1-1/2 F

IS CANNONN) OF STYROFOM " EXTRUDED POLYSTYRE F FOM Integrating the state of the s	MLS FOR STYROF CAM " BRAND USTA STIK CIUK" SET ADDRESIVE (b)       Declaration insultation (ind)       Declaration is an insultation (ind)         0       UNDERWIFTERS LABORATORES, NO. (U) (b)       UNDERWIFTERS LABORATORES, NO. (U)         10       TGIK/FI-4708, TGIK R3573         11       Ind)       Secure of the off high applied modified built in papel of cold applied built-up system         11       INSTA STYROF CAM "V SECUROCK or other manufactured SECUROCK or other manufactured is to the secure the manufacture of the secure the manufacture of the secure the manufactured securotic secure the secure the secure securotic secure the secure the secure securotic secure the secure securotic securotic securotic secure securotic s	Bit Address and strate must be designed so that of the form of the form of the spectra and spectra spectra and spectra and spectra and spectra	CORMATION       COMMERCIAL       US/CANADA         STARDD DECKMATE " PLUS FA STREE FOAM INSULATION       Complexity       Image: Complexity         • C518 - Standard Test Method Tarsmission Properties of Rigd Collular Plastics       Complexity       Direct - Standard Test Method To Compressive Properties of Rigd Collular Plastics         • Direct - Standard Test Method For Water Absorption of Core tor Water Absorption of Rigid - 2002 - Standard Test Method to Response of Rigid Cellular - Direct - Standard Test Method - Stan	
	<ul> <li>coughing of breathing difficultly occurs.</li> <li>Eye contact: Immediately nutrie eyes with copious amounts of water for at least 15 minutes. Assure adequate hushing of the eyes by separating the eyelids with fingers. Seek medical care in manifold attention if reach, imitation or demattils persists.</li> <li>Sith Contact: Void dust of Certain species may elicit aliergic contact demattils in sensitized individuals and can cause mechanical instation. Wasen affected areas with scop and water. Seek medical attention if reach, imitation or demattils persists.</li> <li>Ingestion: Not applicable under normal use.</li> <li>Section 5 FIRE FIGHTING MEASURES</li> <li>Section 5 FIRE FIGHTING MEASURES</li> <li>Filammable invits: EL Not Applicable, UEL Not Applicable. Wood and Wood Dusts are commatibile</li> <li>Commutation in a Class C or Class. If water for the standard fine spread praces the products in a Class C or Class. If water for the standard fine spread praces the products in a Class C or Class. If water carbon dioxide, sand, and chemical enting in the special entities.</li> <li>S.2 Exclinguishing Media: Water, carbon dioxide, sand, and chemical entinguishes.</li> <li>S.4. Hazardous Combustion Evolucits: FIRE can result in carbon dioxide, carbon monoide, corticer of an inputies. Continued breating on particle size and moteliar content. Altorne concentrations of 40 grams per cubic meter are often used as the durities content. LEI, Not Approaches and other hazardous gases and particles.</li> <li>S. Unusual Fire &amp; Explosion: Wood dust from sawing, sanding or machining can be explosible for the protocits. Contained breating approved are of mitorial and moteliar carbon in the test. Carbon dist. Carbon dist. Carbon monoide, carbon monoide, carbon wisoline in the protocits. Contained the hazardous gases and particles.</li> <li>S. Unusual Fire &amp; Explosion: Wood dust from sawing, sanding or machining can be explosible in the test. Carbon species content carbon species a beneficated on particle size and motisture o</li></ul>	<ul> <li>22 OSHA regulatory status: This product is generally an anticle but is regulated under OSHA for the release of wood dust and total dust cured resins ouring mechanical operations releasing dust. The formatdehyde levels are below OSHA reporting requirements.</li> <li>2.3 Potential health effects (See section 11 Touloology Information for further ofelals). Routes of Entry: Inhaidion and sain contact:</li> <li>Target Organs: Eyes, skin, mucous membranes, upper respiratory tract.</li> <li>Audie: Wood dust may cause dryness, initiation, coughing and sinustits. Dust may initiate the eyes. Some wood species may cause skin and respiratory function. The initiation is generally caused by mechanical addition on the skin or mucous membranes.</li> <li>Chronic: Wood dust, depending on the species, may cause allergic contact demailtis and respiratory sensitization with prolonged, repetitive contact or exposure to be associated with nasal cancer.</li> <li>Researcy us a-formation that hay be Apgravited by Exposure: Wood dust may aggravate preexisting respiratory conditions or allergies.</li> <li>2.4 Potential Environmental Effects: These wood products are not expecied or known to page a neocogical hazard as the result of the intended use.</li> <li>2.4 Potential Environmental Effects: These wood products are not expected or known to page a neocogical hazard as the result of the intended use.</li> <li>3.5 ection 3. COMPOSITIONINFORMATION ON INGREDIENTS</li> <li>S ection 4. FIRST AID MEASURES</li> <li>S ection 4. FIRST AID MEASURES</li> </ul>	CONTROL OF FORMULT         INTERNATION         INTERNATION <th c<="" th=""></th>	
SAL CONCETE FLOOR AS RECURED. FREE OF ALL MARKINGS AND STAND         WERT HUNC IS DEPANDION.         UCTIVIER RESTANCES         WERT HUNC IS DEPANDION.         UCTIVIER RESTANCES         WERT ELASSON DOORS WITH ASSONTED HARRANGE         WERT ELASSON DOORS WITH ASSONTED HARRANGE         WERT ELASSONTED HARRANGE         WERT ELASSON DOORS WITH ASSONTED HARRANGE         WERT ELASSON DOORS WITH ASSONTED HARRANGE         WERT ELASSON DOORS WITH ASSONTED HARRANGE         NISTAL ELECTION.	NSTALL TOWEL DISFENSER AS DETAILED         NSTALL SUPEr MARKIN DISFENSER AS DETAILED         NSTALL SUPEr MARKIN DISFENSER AS DETAILED         NSTALL SEAT COVER DISFENSER AS DETAILED         NSTALL SIDES OF MIRROR WITH CLEAR SLUCONE SEAL         NSTALT FINISHED DORG HARMARE AS SECTION         START AND DEMONSTRATE EXHAUST FAN OPERATION         START AND DEMONSTRATE EXHAUST FAN OPERATION         NSTALL CHAINES DECEN INSTALLED NEAT AND TIGHT AND SOUARE TO WALLS         NISTALL LIGHT FRITURE AS DECIFIED         NISTALL LIGHT FRITURE AS SECIFIED LENS CLEAR FREE OF PAINT, OUST, DIRT AND WITH FINISH FLOOR, BRIGHTEN / FOUSH COVER AND FILL TRAP WITH WATER         NISTALL COOR SUME NEAT, TIGHT AND SOUARE TO WALLS         NISTALL COOR SUMER NISTALED TIGHT AND NEAT TO ADJACENT FINISHES         DOOR CLOSURE INSTALLED TIGHT AND NEAT TO ADJACENT FINISHES         DOOR CLOSURE NISTALED TO BRAINS IN A POSITIVE MANNER, NO PUDDES         LIECATIONAL OWITH SINSELLED AS NOTED         FINISHED FLOOR SUMARE INSTALLED AS NOTED         FINISHED FLOOR SUMARE INSTALLED AS NOTED         FINISHED FLOOR SUMARE INSTALLED AS NOTED         FINISHED FLOOR SUMARE INST	em       TITM COMPETE AND ACCEPTED         mo       TEW RENSECTED MUD ACCEPTED         wOMENS       Compete F / Touch up PANIT AS REQUIRED AND WHERE NOTED         WOMENS       NETAL TONEL DEPENSER AS DEFAUED         WSTALL TONEL DEPENSER AS DEFAUED       NETAL TONEL DEPENSER AS DEFAUED         WISTALL TONEL DEPENSER AS DEFAUED       NETALL SUNTARY WARPON DEPENSER AS DEFAUED         WISTALL TONEL DEPENSER AS DEFAUED       NETALL SUNTARY WARPON DEPENSER AS DEFAUED         NETALL SANT TONE DEPENSER AS DEFAUED       NETALL SANT TARY DEPNOSPHISER AS DEFAUED         NETALL SANT TARY DEPNOSPHISER AS DEFAUED       NETALL SANT CORE DOER HIST CLARE SUCCENE SAN         NETAL TONEL PAREN DISPENSER AS DEFAUED       NETALL SANT CORE DOER HIST CLARE SUCCENE SANT         NETAL SANT TAND DEMONSTRATE LAR SUPPLY       HING AR SUPPLY OFUGER INSTALLED NEAT AND TOHT AND SOUNCE TO WALLS         NESTALL LEMANGT WART SUT SUTART AND DEMONT CHERA NON THOLT CHERA NON TOHT AND SOUNCE TO WALLS       NESTALL LORAR STRUCTE AR SUPPLY         HING AR SUPPLY OFUGER INSTALL CHART RELE OR PANN, DUST, DIRT AND INHOUT CHERA NOT COMPS AND FLOORS       NESTALL LEMANGT WARE NON DEPLATE NOTED         NETAL CHART WARE NO DEMONSTRATE EAR SUPPLY       HING AR SUPPLY OFUGER NETALL DEMONSTRATE AS REQUIRED         NETAL CHART WARE NO DEMONSTRATE AS RECURRED       NEL SECTIT MERCHAR AS RECURRED AND INHOUT CHERS AND CRACKS         NETAL EXAMONE WARE NOTION WARE NO FUCH RENARES       NETHER HOUSES     <	PINCH LIST WALK-THROUGH PINCH LIST WALK-THROUGH CHARLIE 5999 SAVOY DRIVE, HOUSTON TX. T (713) 579–1975 WALK-THROUGH INSPECTION AND PUNCH LIST MALK-THROUGH INSPECTION CONDUCTED:	
GENERAL NOTES AND COMMENTS:     GENERAL NOTES AND VERT PROFE OPERATION     Source Structure Advector Stoched USE FORMAT     Source Structure Advector Stoched USE FORMAT     Source Component Inverse Received Difference of the Advector Stoched USE Formation     Source Component Inverse Received Difference of the Advector Difference Difference Difference Difference Difference Difference Differe	STORE KEYS GRA LL DOORS CHECKED AND IN WORKING ORDER CORRECT NUMBER OF SETS FOR STORE KEYS ( ) STORE KEYS SECURED IN SAFE SPARE KEYS SECURED IN SAFE CASH WRAP SET UP WITH BACS, SENSOR BIN TISSUE, ETC. CASH WRAP SET UP WITH BACS, SENSOR BIN TISSUE, ETC. CASH WRAP SET UP WITH BACS, SENSOR BIN TISSUE, ETC. CASH WRAP SET UP WITH BACS, SENSOR BIN TISSUE, ETC. CASH WRAP SET UP WITH BACS, SENSOR BIN TISSUE, ETC. CASH WRAP SET UP WITH BACS, SENSOR BIN TISSUE, ETC. CASH WRAP SET UP WITH BACS, SENSOR BIN TISSUE, ETC. CASH WRAP SET UP WITH BACS, SENSOR BIN TISSUE, ETC. CASH WRAP SET UP WITH BACS, SENSOR BIN TISSUE, WITH STAFF BUNNESS LICENSED SETCES WITH STAFF BUNNESS LICENSED SETCES WITH STAFF BUNNESS LICENSED SETCES WITH STAFF BUNNESS LICENSES VIEWED WITH STAFF BUNNESS LICENSES VIEWES WITH STAFF BUNNESS LICENSES VIEWES WITH STAFF BUNNESS LICENSES WITH SISUES WITH STAFF FIXTURES - IF ANY ISSUES WITH STAFF FIXTURES - IF ANY ISSUES WITH STAFF FIXTURES - IF ANY ISSUES WITH STAFF STAFF TRANED ON SECURE VIEWED TO THE SAME CORE DOOR PANIC BARS FUNCTIONAL STAFF TRANED ON DERATIONAL SIGN TIRANED ON SECURED TO MANAGEMENT TEAM ALARM COORS SCILLED NO SAFE ALARM COORS SCILLED NO VERENT PROPER OPERATION ALARM COORS SCILLED ALARM COORS ACT ALARD SCILLED ALARM COOR	CLEAN ENTIFIE ROOM       CLEAN ENTIFIE ROOM         CLEAN ENTIFIE ROOM       CLEAN ENTIFIE ROOM         CHARDING AND DELEMENT AND SECURED AND WHERE NOTED       NISTALL LOOR SUBJECTS AS REQUIRED         NISTALL LOOR SUBJECTS AS REQUIRED       NUMPRE NOTE         CORRECT       REDOVE ALL TEMPORARY WEING AND MISC. ITEMS SUPPORTED FROM THE ROOF STRUCTURE         CORRECT       REDOVE ALL TEMPORARY WEING AND MISC. ITEMS SUPPORTED FROM THE ROOF STRUCTURE         CORRECT       REDOVE ALL TEMPORARY WEING AND MISC. ITEMS SUPPORTED FROM THE ROOF STRUCTURE         CORRECT       REDOVE ALL TEMPORARY WEING AND MISC. ITEMS SUPPORTED FROM THE ROOF STRUCTURE         CORRECT       REDOVE ALL TEMPORARY WEING AND MISC. ITEMS SUPPORTED FROM THE ROOF STRUCTURE         CORRECT       REDOVE ALL TEMPORARY WEING AS REQUIRED AND WEER NOTED:         NISTAL FLOORING AND BASE (AS SECORED) AND WEER NOTED:       RESTAL ROOM STRUCTURE AS SHOWN WITH UGHT FIXTURES OFERATIONAL         NISTAL FLOORING AND BASE (AS SECORED) AND VEERY THERE ARE NO BROKEN OR CRACED TILES       RESTAL FROME STRUE AND SECORE OFERATIONAL         NISTAL FLOORING AND BASE (AS SECORED)       NUMERE TO MALES ARE AND SECORE OFERATIONAL       RESTAL FROME STRUCE AND WEER TO MALES         NISTAL FLOORING AND BASE (AS SECORED)       NISTAL FROME STRUE AS SECORED       NISTAL FROME STRUE AND NEWLY         NISTAL FLOORING AND MARKET ROOM AND AND CORE PLATE INSTALLED       NISTAL STRUCTURE AND SECORED       NISTALE FLOOR STRUE AND AND	DRESSING_ROOM         COMPLETE / TOUCH UP PANT AS REQUIRED AND WERE NOTED         INSTALL FURDING AND BASE         INSTALL FURDING AND BASE         INSTALL BRUCH         INSTALL SERVERAGE SCUTCHEON NEAT AND TOHT TO THE CELING INSTALL ALL LIGHT FIXTURES AS         RECURED, VERFY PROFER OFERATION         INSTALL CHAPORARY WING AND NEAT.         INSTALL CHAPORARY WING AND INSTALL MOOD TRIM         RECURED, VERFY PROFER OFERATION         INSTALL CHAPORARY WING AND INSTALL MOOD TRIM         REQUERD, VERFY PROFER OFERATION         INSTALL BRUE CONNTER         INSTALL CHAPORARY WING AND VERFY PROFER OFERATION         INSTALL BRUE CONNTER         INSTALL BRUE CONNTER         INSTALL BRUE CONNTER         INSTALL ALL COUNTER         INSTALL ALL COUNTER         INSTALL ALL COUNTER         INSTALL BRUE CONNTER         INSTALL BRUE CONNTER         INSTALL ALL COUNTER         INSTALL ALL OUT TRUTHES AS REQUIRED, VERFY PROFER OFERATION         INSTALL ALL UGHT	
NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOOD SUPERSEDES OTHER DRAWINGS IN THE PLAN SE Project No. Description Date Project No.: Description Date Project No.: Description Date Scale: Flename: Steer TITLE: STEET TITLE:	TWHERE A CONFLICT IN SCOPE OCCURS.	NEW TENANT IMPROVEMENT FOR: Charming CHARLIE LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410	C O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699 SEAL:	



				NOTE: EXISTING STOREFRONT; ARRIVAL GRAPHICS ARE PER CHARMING CHARLIES SPECIFICATIONS AND CRITERIA.	BARRICADE FLAN NOTES         1. G.C. IS TO INSTALL GRAPHICS AS SHOWN - IF REQUIREMENTS BY THE LANDLORD/MALL DIFFER FROM WHAT IS SHOWN, CONDITIONS MUST BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.         2. G.C. IS RESPONSIBLE FOR MAINTAINING ALL GRAPHICS ARE IN "LIKE NEW" CONDITION - G.C. TO REPAIR, AS NECESSARY         3. CHARMING CHARLIE REP TO COORDINATE DELIVERY OF BARRICADE GRAPHICS.         4. ALL GRAPHICS TO BE MOUNTED INSDE GLAZING AT 1'-O" ABOVE BOTTOM MULLION.
знеет NO.: B101	NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOOD SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CON NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOOD SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CON Project No.: Description Date Project No.	CLENT: CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975 IIICTIN SCOPE OCCURS.	NEW TENANT IMPROVEMENT FOR: Charming CHARLE LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410	A PROJECT FOR:	C O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699 SEAL:



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NEW TENANT IMPROVEMENT FOR:		
A PROJEC		
	HEIGHT A.F.F. :	OF STRUCTURE & DECK
	HEIGHT A.F.F. :	OF STRUCTURE & DECK
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	HEIGHT A.F.F. :	D/GLAZING HEIGHT
SEAL:	ATED ON THE PLAN	ATCHES REQUIREMENTS INDIC/
	UIRED EXITS	DING IS PROVIDED AT ALL REC
	, PLUMBING STUB UPS (NEW)	DOOR, ELECTRICAL LOCATIONS
	OCATION (MADE ON DI AN)	RACKING, LEVEL, ETC.
	SHAFTS, MAINS, ETC.	NDIT IONS - STORM DRAINS,
		(S)
		INDINGS

FOR

NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET G002 SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.

ACTUAL: \_\_\_\_\_

(GENERAL CONTRACTOR S CONTRACTOR NAME: \_\_\_\_\_ CONTACT PHONE: ( DATE VERIFIED: \_\_\_\_\_\_

 $\smile$ 

SIGNATURE)

NOTE: G.C. TO PLEASE SUBMIT THIS SHEET BACK TO CHARMING CHARLIE WITHIN (1) WEEK POST DEMO OR START OF NEW CONSTRUCTION.

ACTUAL: \_\_\_\_\_

CLIENT:

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



LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410

		·		
PH: (817) 635-5696 FAX: (817) 635-5699	ARLINGTON, TX 76012	ARCHITECT	CORTLAND MORGAN	



-	$\sim$	
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2		
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ALL PLAN DIMENSIONS ARE FROM FACE OF WALL FINISH TO FACE OF WALL FINISH TYPICAL, UNLESS NOTED OTHERWISE

PROVIDE (3) ROWS OF CONTINUOUS 1x4 RAILS AT SALES AREA PERIMETER WALLS WHERE FIXTURES AND WALL PANELS OCCUR - SEE FIXTURE PLAN A505 PARTITIONS SHOWN AS SHADED ARE NEW WALLS TO BE CONSTRUCTED UNDER THIS CONTRACT. SEE WALL TYPES/ SECTIONS ON SHEET A505

ALL SPACES WTH FLOOR DRAINS TO HAVE FINISHED FLOORS SLOPED TO DRAIN VERIFY WTH ARCHITECT. SLOPE NOT TO EXCEED ONE-IN-FIFTY.

INTERIOR PARTITIONS SHALL BE TYPE "A" UNLESS NOTED OTHERWSE. REFER TO SHEET A505 FOR PARTITION TYPES.

NEW STAINLESS STEEL CORNER GUARD BY JL INDUSTRIES: CGSS SERIES, 48" HIGH, 1-1/2" WING LENGTH, 90" ANGLE - INSTALLED AT ALL EXPOSED CORNERS IN STOCK ROOM & INSTALLED PER MANUFACTURER'S SPECIFICATIONS

GC TO RETAIN ALL EXISTING FIRE RATINGS, REPAIR, & REFURBISH TO A NEW CONDITION AS REQUIRED AT DEMISING/EXISTING WALLS.

RESISTANT GYP BOARD AT ALL WET WALLS; I.E. AT RESTROOM FOUNTAIN, MOP SINK. ETC... (TYPICAL)

# WALL HEIGHT KEY NOTES

DAMING		DANEL SYSTEM	THE HE CROWN
RAMING	GYP. BD. HEIGHT	PANEL SYSTEM HEIGHT	TOP OF CROWN MOLDING
	ABOVE PANEL SYSTEM TO CROWN IF NEEDED UNLESS ITS EXISTING	9'-0" A.F.F.	12'-0" A.F.F.
	ABOVE PANEL SYSTEM TO 16'-0" A,F.F.	9'-0" A.F.F.	12'-0" A.F.F
F.	N/A	9'-0" A.F.F.	N/A
.F.	12'-0" A.F.F.	N/A	12'-0" A.F.F
Ä	16'-0" A.F.F.	N/A	12'-0" A.F.F



A PROJECT FOR:

# NEW TENANT IMPROVEMENT FOR: charmingCHARLIE

LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410

CLIENT CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975

Scale: Date: Filename: SHEET T Drawn By Reviewed Projec

Description

Date 0712

TITLE

AS NOTED 08.31.2011

FLOOR PLAN

SHEET NO .:

A100

I         FIXTURE PLAN           SOALE: 1/8" = 1':0"	CRAPHIC SCALE (INFEED) (	WALL LEGEND         FITURE LAYOUT PLAN         Image: Construction on the construction on the construction (Non-rated); 3–5/8" metal studs & 5/8" type 'x' gyp board         Image: Construction on the construction on the construction statistic demising wall students over board booking with modular wall panel system.
	NOTUSED       SCALE: N.T.S.	



SHEET NO.: A101	NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOO2 SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.	CLIENT: CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975 REVISIONS:	NEW TENANT IMPROVEMENT FOR: <b>Charming CHARLIE</b> <b>LEGACY PLACE</b> 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410	A PROJECT FOR:	C O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699 SEAL:

5 NOT USED SCALE: N.T.S.

ADJACENT TENANT (MERCANTILE OCCUPANCY)

EILING



FLOORING MATERIAL AND FINISHES SCHEDULE

MATEL KERACULUR J						GROUT	-
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							[
MAPEI KERACOLOR S SANDED GROUT	 	 	FIELD TILE & MOSAICS	BAHAMA BEIGE		GROUT	G1 -
				GROUT #04			٦٦
ENTRY VESTIBULE					NOT APPLICABLE	WALK-OFF MAT	MAT F
STOCK/ MANAGER'S/ TOILET ROOMS						SEALED CONCRETE	F SC2
							1
TEL NO.: 281–787–5834				"COFFEE"	HOUSTON, TX	NEW CONCRETE	
CONTACT: KELLEY FIRMIN WITH MINDS			SOI VENT BASED DYE	BRICKFORM	MINDS IN MOTION -	STAINED EXISTING/	с <u>ст</u> Е
							-
7 PIECES PER CARTON 15.93 SF (@ C	 	18"×18"	PORCELAIN TILE		NOT APPLICABLE		F3
10 PIECES PER CARTON		12"×12"	MIXED MOSAIC MESH MOUNTED		NOT APPLICABLE		F) F
							F1
7 DIFCES DER CARTON 15.03 SE		1∞"√1¢"					F
	RATING	UI L L		NUMBER			
	FLAME			COLOR /			TAC



		STOCK STOCK BATHROOMS USED) ICAN TILE ICAN TILE ICAN TILE S UP).
2 NOTUSED SOLE: 0° = HY	THRESHOLD DETAIL: B THRESHOLD DETAIL(PROVIDED BY LL) SCALE: NOT TO SCALE	ROPPE #24 1/4" REDUCER STRIP TRANSITION THRESHOLD AS SCHEDULED FINISH FLOOR AS SCHEDULED FINISH FLOOR AS SCHEDULED FINISH FLOOR AS SCHEDULED
NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOOD SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.	THE SAME THE SAME AND THE SAME	C O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699 SEAL:

WALL	
MATERIAL	
AND	
FINISHES	
SCHEDULE	

P10 PAINT P11 PAINT P12 PAINT	P10 PAINT	P10 PAINT		P9 PAINT	P8 PAINT	P7 PAINT	P6 PAINT	P5 PAINT	P4 PAINT	P3 PAINT	P2 PAINT	P1 PAINT	אא באא		
	SHERWIN WILLIAMS	SHERWIN WILLIAMS	SHERWIN WILLIAMS	SHERWIN WILLIAMS	SHERWIN WILLIAMS	SHERWIN WILLIAMS	SHERWIN WILLIAMS	SHERWIN WILLIAMS (RE: COLOR FORMULA)	SHERWIN WILLIAMS	SHERWIN WILLIAMS	SHERWIN WILLIAMS	SHERWIN WILLIAMS			
TORCHIIGHT	GREY MATTERS SW7066	GRIZZLED GREY SW7068	BREATHTAKING SW6814	EXUBERANT PINK SW6840	DAHLIA SW6816	MACADAMIA SW6142	BLACK BEAN SW6006	CHARMING CHARLIE RED	UTTERLY BEIGE SW6080	CEILING BRIGHT WHITE SW7007	STUCCO SW7569	CASA BLANCA SW7571	NUMBER	COLOR /	
)	SATIN ON VERTICAL	SATIN ON VERTICAL	SATIN	SATIN	SATIN	SATIN	SEMI-GLOSS	SATIN FINISH: ALKYD ENAMEL	SATIN BELOW TRIM AT FITTING ROOM WHEN NEEDED,& MATTE ABOVE CROWN MOLDING AT SALES	SATIN	SATIN ON VERTICAL	SATIN ON VERTICAL	WALL		
		SEMI-GLOSS								SEMI-GLOSS		SEMI-GLOSS	TRIM / BASE	INISHES	
	FLAT			MATTE				SATIN FINISH: ALKYD ENAMEL	MATTE	APPOXY AT RESTROOM CEILING & MATTE FINISH AT COFFERS	FLAT		CEILING / COFFER		
LOCATED AT SALES AREA BUMP OUTS(POWER CENTER DESIGN	R.S.V.P AT PANEL SYSTEM AND OPEN WALLS	R.S.V.P. – WRAP AROUND PORTAL & BUMPOUTS	CHARLIE GIRL – COLOR BAND AROUND CHARLIE GIRL PORTAL, SEE DETAIL: SK–57	CHARLIE GIRL - FITTING ROOMS ABOVE TRIM	CHARLIE GIRL - SHOP WALLS & COLUMN BOX-OUTS BELOW CROWN MOULDING	LOCATED AT THE CASHWRAP/BACKWRAP	TOUCH UP PAINT FOR MIRROR FRAMES	LOCATED AT DRESSING ROOMS ABOVE TRIM & CEILING/ AROUND BOXED COLUMNS ABOVE PANEL SYSTEM	TYPICAL EXPOSED STRUCTURE PAINT (AS INDICATED) ABOVE 12'-0" A.F.F./ BELOW TRIM AT FITTING ROOMS	TYPICAL CEILING, WOOD BASE & TRIM. LOCATED AT MANAGER'S OFFICE, RESTROOM, FULL STOCKROOM DOORS & FRAMES, AND CHARLIE GIRL PORTAL	PAINT (AS INDICATED) ABOVE 9'-0" VERTICAL AND HORIZONTAL OF SOFFIT	TOUCH UP PAINT FOR PANEL SYSTEM		SOURCE / REMARKS / NOTES	
;;				:	7		2	FRP	MG1	WT1		ST1	5	TAC	
					TRIM		ACOUSTICAL	FIBERGLASS REINFORCED PLASTIC	METAL CORNER GUARDS						
					VENDOR		ARMSTRONG	GLASTEEL	JL INDUSTRIES	NOT APPLICABLE					
				PREFINISHED BY VENDOR	DARK WALNUT OR WHITE.	ע א א א א א א א א א א א א א א א א א א א	ITEM NO.: 1910	BRIGHT WHITE	STAINLESS STEEL				NUMBER	COLOR /	
					3" WOOD TRIM (FITTING ROOMS)		ULTIMA (SQUARE LAY-IN)	BRICHT WHITE 4'X8' PANELS	METAL CORNER GUARDS					PATTERN / FINISH DESCRIPTION	
					3"X 5/8"	1 - 1 -	24"×24"	4'-0" X					SI E	SIJE	
				TEL NO.: 626.851.0444	CONTACT: MIKE RICE PACIFIC PANEL	STYSTEM (WHITE)	CEILING GRID TO BE ARMSTRON	LOCATED IN RESTROOMS ON A 4'-0"A.F.F. G.C. TO FINISH COI VINYL TRIM PER MFG. SPECS.	LOCATED TO 48" A.F.F./ALL O STOCKROOM					SUI IBUE / BEMARKS	



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			RUCTION TO SPECIFIED PARTITION EL SYSTEM) HEET A505	TEE -	/ NOTES / NOTES OUTSIDE CORNERS IN ALL WALLS TO ORNERS/ EDGES WITH
2 PAINT TRANSITION @ SALES AREA SCALE: 1"=1-0"	SEE SHEET ASOS FOR G.C. TO TOUCH-UP W/ P-1	GYP. BD. ABOVE PANEL SYSTEM PANT P-2 9-0" A.F.F.	EXPOSED STRUCTURE ABOVE PAINT P-4 GYP. BD. ABOVE CROWN MOLDING PAINTED SATIN P-4 T2-0" A.F.F.	INSTALLATION. IN THE CASE OF PAINT SAMPLES, CONTR. SHALL INSTALL A MIN. OF 100 S.F. OF EACH INTERIOR COLOR IN PAINT MOCK UP LOCATIONS AS DIRECTED BY ARCHITECT FOR OWNER APPROVAL PRIOR TO ORDERING PAINT TOP COATS. CONTR. SHALL INCLUDE A SECOND ROUND OF SAMPLES INSTALLED IN PLACE, IF REQ'D TO OBTAIN FINAL PAINT TINT APPROVAL. GENERAL NOTE REFER TO A104, A301, & A600 FOR PAINT ALLOCATION. ALL CROWN MOLDING TO BE PAINTED P–3 AND SET AT 12'–0" A.F.F. THROUGHOUT ENTIRE SALES FLOOR.	PAINT COLOR FORMULAS         SHERWIN-WILLIAMS NATIONAL ACCOUNT COLOR FORMULAS FOR CHARMING CHARLIE         TAG       COLOR NAME       BASE       COLORANT       GALLON         TAG       COLORANT       GALCON       GALCON       GALCON       GALCON       GALCON       A       GALCON       A       GALCON       A       GALCON       A       GALCON       A       GALON       A       GALCON
A104	NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOO2 SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHEN NO. Description Date: Da	EA CONFLICT IN SCOPE OCCURS. REVIEW PHONE CHARMING CHARLIE S999 SAVOY DRIVE TEXAS 77036 S79-1975 LE 11 PALM BEA	ANT IMPROVEMENT FOR: <b>DIAGONALIES</b> <b>SACY PLACE</b> 380 LEGACY AVE. ACH GARDENS, FL, 33410	A PROJECT FOR:	C O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699



A PROJECT FOR:



MANUFACTURER'S

1. INSTALLATION OF LIGHTING FIXTURES SHALL BE ACCORDING TO THE RECOMMENDATIONS AND ACCORDING TO CODE REQUIREMENTS.

- 3. LAMPS SHALL BE G.E., OSRAM SYLVANIA OR PHILIPS ALL LIGHTING SHALL BE FURNISHED BY OWNER AND INSTALLED BY THE ELECTRICAL CONTR, NO EXCEPTION
- 4. ALL EMERGENCY LIGHTING AND EXIT SIGNAGE SHALL BE PROVIDED WITH 90 MINUTE BATTERY BACK-UP. SEE E2-2 FOR EM LIGHT LOCATIONS.
- 5. PROVIDE PENDANT MOUNTING KIT FOR ALL LIGHTING TO BE PENDANT MOUNTED FROM STRUCT E.C. SHALL AIM ALL TRACK LIGHTING AS SHOWN/INDI ICATED
- ALL LIGHT FIXTURES WITHIN CEILING GRID ARE EXISTING.

ALL OTHERS INCLUDING;(B1)TRACK LIGHTS, (L2)HID, (K)LIGHTS,CHANDELIERS, (G3), (A), (C3) AND PENDANTS ARE NEW LIGHT FIXTURES

ADJACENT TENAN (MERCANTILE OCCUPANCY

SC4

WORLD IMPORTS GLASS-(1) 60W

WALL

SCONCE

NICKEL

FINISH

WITH

WHITE

60

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- 10. SUPPORT STRUTS SHALL RETAIN A 5-WIRE POWER CABLE. SUPPORT STRUTS SHALL BE 16 GAUGE GALVANIZED STEEL, 1 3/4" × 1 3/4" OUTSIDE DIMENSION WITH INTEGRAL BEAD TO SUPPORT FLAT CABLE.
   LIGHTING PLAN SERVES AS REFERENCE ONLY FOR DIAGRAMMATIN PURPOSES. A SITE-SPECIFIC LIGHTING PLAN SHALL BE DEVELOPED AND PROVIDED BY ELECTRICAL ENGINEER FOR EACH PROJECT.
   WHEN NECESSARY PROVIDE SEISMIC BRACING AND COMPRESSION STRUTS AS REQUIRED BY GOVERNING CODES. LIGHT FIXTURES SHALL BE SUSPENDED IN COMPLIANCE WITH GOVERNING CODES.
   GC MUST AIM ALL TRACK HEADS TO 60" AFF ON PERIMETER WALLS.
  - $\stackrel{\frown}{\rightarrow}$ .
- 12.
- 13.
- GC MUST AIM TRACK HEADS TO ILLUMINATE ALL TOPS. FLOOR TAB

14.

TRACK LIGHT TO BE 4' FROM WALL FIXTURES OR 6' FI TYP. UNLESS OTHERWISE NOTED. ROM

<u>,</u> С

<u>1</u>6.

ALL TRACK LIGHTING TO BE 6" FROM UNLESS OTHERWISE NOTED.

NDOW

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	SYMBOL	DESCRIPTION	WATTS
AD TO	O	PATHWAY LIGHTING:FS81UTE4/CF8200IR; 8" RECESSED ROUND CFL DOWNLIGHT- CLEAR ALZAK TRIM	42
OR EACH	O <sub>A1-EM</sub>	PATHWAY LIGHTING:FS81UTE4/CF8200IR; 8" RECESSED ROUND CFL DOWNLIGHT- CLEAR ALZAK TRIM-WITH EMERGENCY BALLAST	42
PRESSION XTURES CODES.	Bi 口	CON-TECH LIGHT: CTL2838N, TRACK MOUNTED – TRACK HEAD (WHITE); WITH (1) 18W PAR 38 LED LAMP	1 8
IMETER	BM1	CON-TECH LIGHT: CTL2838N, TRACK MOUNTED – TRACK HEAD (WHITE); WITH (1) 18W PAR 38 LED LAMP-WITH MONOPOINT LIGHT	18
TABLE	ß	CON-TECH: CTL610, UNIVERSAL LAMP HOLDER TRACK HEAD WHITE; (1) 7W PAR 20 L.E.D.	7
NNS TYP.	ß	CON-TECH: LIGHT #, SURFACE MOUNTED - SINGLE CIRCUIT TRACK (WHITE)	1
	•	LITON: LK126LEDW – 2" MINI(MILLWORK CABINET) PUCK LIGHT (RECESSED) – (3) ONE-WATT L.E.D. (INCLUDED)	ω
	EM-1	PATHWAY LIGHTING: AZ-2-DL-TD; FIXED LENS DUAL-HEAD EMERGENCY LIGHT WITH TIME DELAY (WALL OR CEILING MOUNTED) (2) 5.4W (INCLUDED)	12
	EM-2	PATHWAY LIGHTING: AZ-2-DL; FIXED LENS DUAL-HEAD EMERGENCY LIGHT (WALL OR CEILING MOUNTED) (2) 5.4W (INCLUDED)	12
	, T	MM LIGHTING: F2343/4DBZ; MURRAY FEISS PENDANT DK BROWN FINISH (4) 25W MEDIUM BASE MOUNTED 7'-6" AFF; PENDANT AT LEANING MIRROR AT 8'6" AFF. VERIFY HEIGHTS ON PLAN	100
	$(\bigcirc)$	30" DIA. DECORATIVE MEDALLION AT TYPE 'G1' FIXTURES AT CEILING HEIGHT. SELECTED BY OWNER, INSTALLED BY G.C.	I
TOR.		CRYSTORAMA: D119, (PENDANT) DECORATIVE CHANDELIER; (12) LIGHT 2 TIER-60W B10; SALES FLOOR CHANDELIER	720
	*. <sub>62</sub>	CRYSTORAMA: D116X; MEDIUM CHANDELIER – PENDANT (ENGLISH BRONZE FINISH) SINGLE TIER(6) 60W MEDIUM BASE	360
URE.	63 63	MINKA-GROUP: 3123-489; MINI CHANDELIER – PENDANT (TAYLOR BRONZE FINISH) (1) 60W MEDIUM BASE	60
	₩ Se <sub>G4</sub>	CHARLIE GIRL CHANDELIER WITH PINK CRYSTAL HEARTS INSTALLED BY GC	I
	¥ 5	MEDIUM CHARLIE GIRL CHANDELIER WITH PINK CRYSTAL HEARTS INSTALLED BY GC	1
	<b>*</b> 66	MINKA WHITE CHANDELIER	1
	<b>%</b> 67	FACILITY SOLUTIONS GROUP-EL-12-BLACK/SMOKE; RSVP CHANDELIER – PENDANT (BLACK FINISH) –(12) 60W MEDIUM BASE	720
		COOPER LIGHTING - METALUX: 2GR8-3-32-A125-UNI-EB81, 2x4 RECESSED TROFFER WITH ACRYLIC LENS-3 LAMP(3) 32W - T8	91
	22	COOPER LIGHTING - METALUX: 2GR8-2-U6T8-A125-UNI-EB81, 2x2 RECESSED TROFFER WITH ACRYILIC LENS (2) 32W - T8 U-TUBE	6 5
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	MERCURY: MM-2-32-OCT-C-ELB-UNI, (4')2-LAMP STRIP LIGHT (PENDANT); (2) 32W T-8. PROVIDE CHAIN SET FOR PENDANT MOUNTING FIXTURE, INSTALL AT UNIFORM HEIGHT 36" (MINIMUM) ABOVE HEIGHT OF TENANT SHELVING	64
	K2	COOPER LIGHTING: 18-332-UNV-UPLI, 1' X 4' (3) 32W T-8. PROVIDE SET FOR PENDANT MOUNTING FIXTURE, INSTALL AT UNIFORM HEIGHT 12' A.F.F;FLUORESCENT WITH HIGH BAY LOUVER	96
	K2-EM	COOPER LIGHTING: 18–332–UNV–UPLI, 1'X 4' (3) 32W T–8. PROVIDE SET FOR PENDANT MOUNTING FIXTURE, INSTALL AT UNIFORM HEIGHT 12' A.F.F;FLUORESCENT WITH HIGH BAY LOUVER. EM BALLAST TO BE FIELD INSTALLED	96
		ACCULITE LIGHT – PRISMATIC HID LIGHTS: HB1–150PS–QT–PR16–PLS ; (1) 175W LIGHT FIXTURES TO BE MOUNTED INDIVIDUALLY AND SECURED TO THREADED ROD. BOTTOM OF LENS TO BE SET AT 12' A.F.F.	175
	 ×	MERCURY: 2X2 SURFACE MOUNT FIXT. WITH ACRYLIC LENS (2) 40W BIAX	80
	M-EM	MERCURY: 2X2 SURFACE MOUNT FIXT. WITH ACRYLIC LENS AND EMERGENCY BALLAST (2) 40W BIAX	80
	×	PATHWAY: PLSTEXICRC – CLEAR SINGLE FACE EDGE-LIT EXIT SIGN WITH RED LETTERS (L.E.D. INCLUDED); PROVIDE WITH 90 MINUTE EMERGENCY BATTERY BACK-UP;(USED ON SALES FLOOR OF CHARLIE & CHARLIE PREMIUM ONLY)	J
	×2	PATHWAY: PEXUR-DL, THERMOPLASTIC WHITE EXIT SIGH WITH RED LETTERS (L.E.D. INCLUDED); PROVIDE WITH 90 MINUTE EMERGENCY BATTERY BACK-UP;(USED ON SALES FLOOR OF LIFESTYLE & POWERCENTER STORES)	U
	ε×	PATHWAY: PLSTEX2CRM – DOUBLE FACE EDGE-LIT EXIT SIGN WITH RED LETTERS ON MIRROR BACKGROUND(L.E.D. INCLUDED); PROVIDE WITH 90 MINUTE EMERGENCY BATTERY BACK-UP	U
	X4	ASTRALITE: TP-U-R-W-EM - THERMOPLASTIC WHITE EXIT SIGN WITH RED LETTERS; SPECIFY STEM MOUNTINGKIT:PK-TP-84-W (L.E.D. INCLUDED); PROVIDE WITH 90 MINUTE EMERGENCY BATTERY BACK-UP;(TO BE USED ON SALES FLOOR WHEN REQUIRED BY LL)	N. 5
	S O S	CHARMING CHARLIE CUSTOM FIXTURE UL APPROVED FOR WET LOCATIONS EXTERIOR SCONCES. (2) PAR 20–40 W. COORDINATE MOUNTING HEIGHT WITH ARCH PLANS.	80
	× SC2	RSVP SCONCELIER/CANDELABRA – WALL MOUNTED (BLACK FINISH) (2) 60W MEDIUM BASE	120
	Sc3	WORLD IMPORTS - WALL SCONCE BRONZE FINISH WITH WITH WHITE GLASS-(1) 60W	60

NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET G002 SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS. No. Description
Project No.: REVISIONS: CLIENT: HEET NO.: rawn By: 市 CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975 REFLECTED CEILING ved By: A105 PLAN 08.31.2011 Date 0712



# LEGACY PLACE 11380 LEGACY AVE PALM BEACH GARDENS, FL, 33410



												NOTE 1
	WAP	CAM	SYMBOL	S100	WIRE NO.	S		SYMBOL		•	SYMBOL	
SECURITY CAMERA LINE OF SIGHT	<b>WAP - WIRELESS ACCESS POINT</b> INSTALLED CENTRALLY IN STORE ON VERTI FACE OF SOFFIT OR SECURED TO UNISTRU AS APPLICABLE. WAP TO BE INSTALLED OU DIRECT LINE OF SIGHT. LOCATION PER THIS	SECURITY CAMERA SECURITY CAMERAS INSTALLED WITHIN LE/ SPACE. VERIFY ALL QUANTITIES AS INDICAT THIS PLAN. ENSURE CAMERA LINE OF SIGH SERVER AND DOOR(S) IN STOCK AREA.	DESCRIPTION	<b>SPEAKER CABLE</b> 2-CON. 16AWG PLENUM RATED	WIRE TYPE	<b>SPEAKER 1</b> SOUNDTUBE RS600i-W SUSPENDED CEILING LOUDSPEAKER, 70V, WHITE	SPEAKER SOUND ADVANCE CM860W RECESSED CEILING LOUDSPEAKER, 70V, WHITE	DESCRIPTION TA	200 WATT VOLUME CONTROL LOWELL 200LVC 2 GANG VOLUME ATTENUA MOUNT IN DOUBLE GANG DEEP J-BOX. VERIFY LOCATION	AUDIO EQUIPMENT LOCATION AUDIO SYSTEM EQUIPMENT LOCATED IN IT EQUIPMENT VERIFY LOCATION	DESCRIPTION	LEGEND

A PROJECT FOR:

INC. 8727 148T	CHARI	AUDIO			Ĩ <sup>™</sup>	00	<u>NO</u>			ŐF	
HAVE NE, REDMOND, WA 98052 1.888.567 PLAY	<b>VING CHARLIE</b> legacy place beach gardens, fl	INSTEM LAYOUT	SECURITY CAMERA L	<b>WAP - WIRELESS ACC</b> INSTALLED CENTRALL FACE OF SOFFIT OR S AS APPLICABLE. WAP DIRECT LINE OF SIGHT	DESCRIPTI SECURITY CAMERA SECURITY CAMERAS I SPACE. VERIFY ALL QU THIS PLAN. ENSURE C SERVER AND DOOR(S)	<b>SPEAKER CABLE</b> 2-CON. 16AWG PLENU		<b>SPEAKER 1</b> SOUNDTUBE RS600i-W SUSPENDED CEILING I 70V, WHITE	<b>SPEAKER</b> SOUND ADVANCE CM8 RECESSED CEILING LC 70V, WHITE	DESCRIPT	200 WATT VOLUME CC LOWELL 200LVC 2 GAN MOUNT IN DOUBLE GA VERIFY LOCATION
	CHECKED BY		INE OF SIGHT	<b>ESS POINT</b> Y IN STORE ON VERTICAL ECURED TO UNISTRUT GRID, TO BE INSTALLED OUT OF T. LOCATION PER THIS PLAN.	ION NSTALLED WITHIN LEASE UANTITIES AS INDICATED ON AMERA LINE OF SIGHT TO ) IN STOCK AREA.	IM RATED	WIRE TYPE	LOUDSPEAKER, 8W	360W OUDSPEAKER, 7.5W	ION TAP SETTIN	<b>DNTROL</b> NG VOLUME ATTENUATOR ANG DEEP J-BOX.

NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET G002 SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS. No. Desc Project No.: Drawn By: Reviewed By:

SEAL:				
	PH: (817) 635-5696 FAX: (817) 635-5699	711 N. FIELDER RD. ARLINGTON, TX 76012	CORTLAND MORGAN ARCHITECT	



LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410

REVISIONS:

CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975

CLIENT:

LAN,

THE DESIGN CONCEPTS EMBODIED IN THIS PROPOSAL ARE SPECIFIC-ALLY FOR THIS PROJECT. INFORMATION HEREIN REMAINS THE SOLE PROPERTY OF PLAYNETWORK INC. AND IS NOT TO BE COPIED, REPRODUCED, OR OTHERWISE TRANSFEERED TO ANY OTHER DOCUMENTS, USED FOR ANY OTHER PURPOSE, OR TO BE CONVEYED TO THIRD PARTIES IN ANY FORM WHATSOEVER WITHOUT THE WRITTEN CONSENT OF PLAYNETWORK INC.

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8727 148TH ,

AVE NE, REDN

AS NOTED 08.31.2011

Date 0712

5

SHEET TITLE:

Description



A     N/A ENLARGED STOREFRONT     SCALE: NONE     (KEY NOTE 5%)	M         KEY NOTES         KEY NOTE SM           STOREFRONT ELEVATION         SCALE: NONE         (KY NOTE SM	<ol> <li>TENANT LEASE LINE</li> <li>EXISTING STOREFRONT GLAZING, TO REMAIN (TYPICAL).</li> <li>EXISTING BOTTOM RAIL AT STOREFRONT (TYPICAL).</li> <li>EXISTING BOTTOM RAIL AT STOREFRONT (TYPICAL).</li> <li>EXISTING FANAT'S STOREFRONT ELEVATION.</li> <li>EXISTING PAIR 3'-O" x 9'-O" GLASS DOORS, HARDWARE, AND EQU WORKING ORDER. G.C. TO CLEAN ALL GLAZING PRIOR TO COMPLETING REMAIN; ENSURE ALL EXISTING HARDWARE IS FULLY OPERATIONAL WORKING ORDER. G.C. TO CLEAN ALL GLAZING PRIOR TO COMPLETING PRIOR TO INSTALLATION. G.C. TO PATCH AND REINFORCEMENT IS PRIOR TO INSTALLATION, G.C. TO PATCH AND REPAIR FINISH, AS R MATCH EXISTING STOREFRONT FINISHES.</li> <li>INEW TENANT AWING FABRIC "CHARMING CHARLE RED" TO REPLAC FABRIC BY VENDOR PER TENNAL'S CRITERIA.</li> <li>NEW CHARMING CHARLE BANNER SIGNS 2' WIDE X 6' HIGH.</li> <li>TYP. CHARMING CHARLE BLADE SIGN GC.TO PROTECT DURING CONS</li> </ol>
Image: Constraint of the set of the	OPE OCCURS. PEVISIONS: REVISIONS: Phone (713) 579- INEW TENANT IMPROVEMENT FOR: CHARMING CHARMING CHARMING CHARMING CHARACLE	ATION: ATION: NTED NTED NTED NTED NTED NTED NITERIOR NURED, TO NITERIOR NURED, TO NITERIOR A R C H I T PH: (817) 635- FAX: (817) 635- SEAL: APROJECT FOR: APROJECT FOR:

AS NOTED 08.31.2011

Date 0712

11380 LEGACY AVE.

PALM BEACH GARDENS, FL, 33410



	- 2'-0" - 2'-0" - 2'-0" - 1'-0" - 2' FIRE RETARDANT TREATED BLOCKING SECURED TO 1" FIRE RETARDANT TREATED PLYWOOD	ED HEFT HEFT HEFT HETTURE (RE: RC) FIXTURE SCHEDULED SUSP FIXTURE SCHEDULED FIXTURE FIX FIXTURE FIX		
NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOO2 SUPERSEDES OTHER DRAWINGS IN THE PL Project No.: Description Date Project No.: Drawn By: Drawn By: Date: Date: Date: Date: 0712 SHEET TITLE: BACKWRAP MILLWORK DETAILS AND SECTIONS AND SECTIONS	AN SET WHERE A CONFLICT IN SCOPE OCCURS. AN SET WHERE A CONFLICT IN SCOPE OCCURS. REVISIONS: REVISI	New TENANT IMPROVEMENT FOR: Charming CHARLIE LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410	A PROJECT FOR:	C O R T L A N D M O R G A N A R C H I T E C T T11 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5699 FAX: (817) 635–5699 SEAL:



SHEET NO.: A40	NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOUZ SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.	CLIENT: CHARMING CH, 5999 SAVOY D HOUSTON, TEXAS Phone (713) 579 REVISIONS:	NEW TENANT IMPROVEMENT FOR: charming CHARLIE	A PROJECT FOR:	C O R T L M O R G A R C H I T 711 N. FIELDE ARLINGTON, TX PH: (817) 635 FAX: (817) 635-
Ο	TOILET, ND NOTES	ARLIE RIVE 3 77036 -1975	LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410		A N D A N D A N D F C T 76012 -5699



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MILLWORK PLAN & ELEVATIONS	ENLARGED SALES ROOM	HEET TITLE:
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	08.31.2011	AS NOTED	

<u>No</u> .	Description Date
Project	No.: 0712
Drawn	By:
Review	/ed By:
Scale:	AS NOTED
Date:	08.31.2011
Filenan	ne:
SHEET	TITLE:

NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET G002 SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.

CLIENT: CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975

REVISIONS:

NEW TENANT IMPROVEMENT FOR: charmingCHARLIE

LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410 A PROJECT FOR:

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SEAL 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635-5696 FAX: (817) 635-5699 N C a R 0 0 C ᆔ Т ш C 2 

AT SALES AREA



SECTION AT MANAGER'S OFFICE WALL	0'-0" A.F.F.	STUD TRACK, TOP AND BOTTOM (TYPICAL) (U.N.O.) NEW FLOORING AND BASE, RE: SHEET A103	HORIZONTAL BRIDGING AT 48" O.C. VERTICALLY (TYPICAL)	2–1/2" SOUND ATTENUATION BATTING CONTINUOUS FROM SLAB HEIGHT OF DECK (AT RESTROOM WALLS ONLY) 5/8" TYPE 'X' GYP BOARD OVER 3–5/8" METAL STUD FURRING, EXTEND GYP BOARD TO 12'-0" ABOVE, AS SHOWN (TYPICAL)	NEW LAY-IN SUSPENDED ACOUSTIC CEILING.	Celling Height	3/4" F.R.PLYWOOD DECKING OVER 6" 14 GAUGE HORIZONTAL METAL STUDS AT 12" O.C.; SECURE PLYWOOD TO STUDS WITH #10 TEK SCREWS AT 24" O.C.	GYP. BD. AT HALL SIDE	DECK	EXISTING ROOF STRUCTURE (ABOVE); ALL EXPOSED STRUCTURE, WALLS, CONDUIT, PIPING, ETC ABOVE 12'-0" TO BE PAINTED (P-4)		METAL CORNER GUARD DETAIL SCALE: 1/2" = 1-0"	SCHEUULE	A A A A A A A A A A A A A A	FRONT ELEVATION
	SHEET NO.:	SECTIONS NO	IEDULE ON SHEET GOO2 SUPE Reviewed By: Filename:	RSEDES OTHER DRAWINGS IN THE PLAN	SET WHERE A CONFLICT IN	REVISIONS:	CHARMING CH 5999 SAVOY HOUSTON, TEX/ Phone (713) 57		NEW T	ENANT IMPF	ROVEMENT	FOR:	A PROJECT FOR:	PH: (817) 63 FAX: (817) 63 SEAL:	$\begin{array}{c c} C & C & R & T \\ C & C & R & T \\ M & C & R & T \\ A & R & C & H & I \\ \end{array}$
9		DETAILS TES	AS NOTED 08.31.2011	Date 0712			HARLIE DRIVE AS 77036 79-1975		PALM	LEGACY 11380 LEGA BEACH GAR	PLACE ACY AVE. RDENS, FL, 3	33410		5-5696	GER RD.



• RE: FLOOR	•	••		• • • • • •		• • • •	
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1'-0"	1'-0"	1'-6"	2			GGLE BOLTS AT 12" O.C. VANT PROVIDED WALL LVING @ 16" O.C.	RFACE MOUNTED METAL ANDARD, HELD 12" A.F.F. VISH FLOOR AT 12" O.C.;

NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET G002 SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.

SHEET NO.: A50	SECTIONS, & NOT	Reviewed By: Scale: Date: Filename: SHEET TITLE:	No. Description Project No.: Drawn By:	REVISIONS:	CLIENT: CHARMING CH 5999 SAVOY D HOUSTON, TEXA Phone (713) 579	NEW TENANT IMPROVEMENT FOR:
Ñ	DETAILS ES	AS NOTED 08.31.2011	Date 0712		ARLIE )RIVE S 77036 9-1975	LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410





Image: Not use in the intersection in the i	2         OFOSS CHANNEL         SCALE: NTS	3 NOTUSED PERIMETER DETAIL CHANNEL MOLDING SCALE: NTS	A     NOT USED       CONTROL JOINT     SCALE: 1:1	
SHEET NO.: A503	NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOO2 SUPERSEDES OTHER DRAWINGS IN THE PLAN SET	WHERE A CONFLICT IN SCOPE OCCURS. WHERE A CONFLICT IN SCOPE OCCURS. WOUSTON, TEXAS, 77036 Phone (713) 579-1975 S999 SAVOY DRIVE LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410	A PROJECT FOR:	C D R T L A N D M D R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699 SEAL:



17			<b>1</b> 8	6" X 16 GA.		18 GA.	6" X 20 GA.		4" X 16 GA.	4" × 18 GA.		4" X 20 GA.	25 GA.	4 °	16 GA.	ч п /о" <	18 GA.	ч п /о" <	3 5/8" X 20 GA.		3 5/8" X 25 GA.		2 1/2" X 18 GA.	20 GA.	2 1/2" X	2 1/2" X 25 GA.		1 5/8" X 20 GA.	25 GA.	1 5/8" ×	STUD SIZE SPACING	
				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	16" O.C.	STUD
			ONE HEI	•	•	•   •		•	•	· · · ·	•	•	•   •		•   •	•	•	•	•	•	•	•	•   •	•	•	•	•	•   •	•	•	FLEXIBLE MATERIAL	G FIN
			IGHT	•   •	•		•   •	•	•		•			•		•	•	•   •	•	•	•	•	•	•	•   •		•	•	•	•	BRITTLE MATERIAL	ISH LL TERIAL
			- SCH	- 31.70'		33.79' 		- 20.71'	22.87'	22.89' 		18.85'	11.58' - 22.20'			24.21'	19.72'		- 17.62'		11.20'	13.71'	16.88 - 14 75,	14.75 <sup>°</sup>	- 16.88'	9.24,		9.69 <sup>°</sup>	6.96'	8.50	L/120 W/5# PSF	UNSUPP HEIGHT
			EDUL	28.80 <sup>-</sup> 25.16 <sup>'</sup>	23.43'		21.29'	18.15			15.39' 	17.61'	- 11.58'	14.16'			15.65'	15.39' - 17.92'	17.61	11.20 <sup>'</sup>	13.03'	- 11.71'				9.78'	7.69'	8.80 <sup>°</sup>	6.20'	7.10'	L/240 W/5# PSF	ORTED
			'n																							IN GYPSUM BOARD MUST BE TAPED WITH JOINT COMPOUND.	-3. IF THE PARTITION CALLS FOR A FIRE RESISTIVE ASSEMBLY, THE JOINTS	HOURLY RATINGS APPLY WHEN THE STEEL STUDS ARE OF A HEAVIER GAUGE AND/ OR LARGER DIMENSIONS THAN SPECIFIED.	UNLESS OTHERWISE STATED. 2. THE DIMENSIONS AND GAUGE OF THE STEEL STUDS ARE MINIMUM. THE	1. THE SPACING OF STUDS IS MAXIMUM	REMARKS	
13 OUTLET BOX DETAIL SCALE: 3" = 1'-0"	OUTLET BOX	BOX SUPPORT	SEALANT	SCALE: 3" = 1'-0"	1 A BRACING SECTION	FLOOR	BOARD 1 1/2" COLD- ROLLED CHANNEL OR 20 GA. STRAP	STUD TRACK AT 4'-0" O.C. MAXIMUM ONE SIDED GYP.	CELLING	STUD SIZE SEE	ROLLED CHANNEL BOTH SIDE	1 1/2" COLD -	SCALE: NONE	א NOT USED										12 STUD BRACING ISOMETRIC SCALE: NTS	7						NO. 6 SCREWS EACH STUD FLANGE WHERE NO WALL COVERING OCCURS	CONTINUOUS TOP TRACK
	OUTLET B	BOX SUPP				*		•		•		SUPPORT															TRACK (AT STRUCTURE)		O.C. BETWEE	PIECE OF TH	METAL STUE SCHEDULE F GYPSUM BO	



![](_page_23_Figure_0.jpeg)

INTERIOR ELEVATION					
- SALES AREA SCALE 1				NOT USED         SCALE           1/4" = 1' - 0"         4	
	NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET GOU2 SUPERSEDED OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.	CLIENT: CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975 REVISIONS:	NEW TENANT IMPROVEMENT FOR: <b>Charming CHARLIE</b> <b>LEGACY PLACE</b> 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410	A PROJECT FOR:	C O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699 SEAL:

![](_page_24_Figure_0.jpeg)

				57. 
AGOO	HABILITY SCHEDUE OF SHET FOR 2014 SHET FOR 2	NEW TENANT IMPROVEMENT FOR: HOUSTON, TEXAS 7708 1975 1975 HOUSTON, TEXAS 7708 HOUSTON, TE	A PROJECI FOR:	C O R T L A N D M O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RO. ARLINGTON, TX 76012 PH: (817) 635-5696 FAX: (817) 635-5699

17 EXTERIOR THRESHOLD AT EGRESS DOOR SCALE: 3" = 1'-0"	18     NOT USED       SCALE: NOT TO SCALE       EXTERIOR       EXTERIOR       DOOR, VERIFY       PRESSED METAL       PRESSED METAL       OUNT FILLER       OUNT FILLER       OUNT FILLER	19 NOTUSED SCALE: NOVE		LINE OF FINISHED CELLING TO ENGRORMATIC COUPMENT ABOVE FUISHED CELLING TO ENGRORMATIC COUPMENT ABOVE FUISHED CELLING TO ENGRORMATIC CELLING TO ENGRORMATIC DIGITAL DOOR-MAX SECURITY DEVICE - SUBFACE MOUNTS TO ENTRY DOOR 
13 DOOR HEAD AT METAL DOOR FRAME SCALE: 3" = 1'-0"	PRESSED MET. PRESSED MET. PR	15     ROOM FINISH SCHEDULE       Seter FIN.     Seter FIN.       SHED. FOR     Seter FIN.       DOUBLE STUDS AT     FOR WIDTH       GYP. BD., SEE     FOR WIDTH       FIN. SCHED.     FOR WIDTH	ALL VERTICAL SUPPACES TO RECEIVE A MATTE PAINT FINISH.	ICC NO.         ROOM         ROOM NAME         FLOOR         BASE         WALLS         CELING P4 EXPOSED           100         SALES AREA         SC1         B3         P2 / P4         EXPOSED STRUCTURE           101         CASH WRAP         SC1         B3         P2 / P5         EXPOSED STRUCTURE           102         HALL         SC1         B3         P2 / P5         EXPOSED STRUCTURE           103         WOMEN'S TOILET ROOM         SC2         RB1         P2         EXPOSED STRUCTURE           104         MEN'S TOILET ROOM         SC2         RB2         P3         LAY-IN CLC.           105         H.C. FITTING ROOM         SC1         B4         P4 / P5 / T1         GYP BOARD           107         STOCK ROOM         SC2         RB1         P3         EXPOSED STRUCTURE           108         MANAGER'S OFFICE         SC2         RB1         P3         LAY-IN CLG.           108         MANAGER'S OFFICE         SC2         RB1         P3         LAY-IN CLG.           108         MANAGER'S OFFICE         SC2         RB1         P3         LAY-IN CLG.
9 CASED OPENING AT CORRIDOR SCALE: 3" = 1'-0"	TOP OF RO. TOP OF	AT JAMB STUDS		CLG. HT.     REMARKS       OPEN     (P3) AT CROWN MOLDING. (P5) AT REAR WALL OF BACK WRAP COVE. OPEN       OPEN     (P5) AT REAR WALL OF BACK WRAP COVE. REFER TO A104 FOR SPECIFIC PAINT LOCATIONS.       0PEN     (YP. BD. TO 12'-0" A.F.F.       8'-0"     ALL WALLS SHALL USE EPOXY PAINT IN SCHEDULED WALL COLOR; FRP IN RESTROMS ON ALL WALLS TO 4'-0"A.F.F.       8-0"     ALL WALLS SHALL USE EPOXY PAINT IN SCHEDULED TRIM BOARD (RE: FITTING ROOM ELEVATIONS)       11'-0"     WALLS TO BE PAINTED P4 WITH P5 ABOVE SCHEDULED TRIM BOARD (RE: FITTING ROOM ELEVATIONS)       OPEN     WALLS TO BE PAINTED P4 WITH P5 ABOVE SCHEDULED TRIM BOARD (RE: FITTING ROOM ELEVATIONS)       OPEN     REFER TO SHEET A104 FOR PAINTING PLAN       B'-0"     DECK ABOVE
5 DOOR JAMB AT WOOD FRAME SCALE: 3" = 1'-0"	PAINTED WOOD MATCH VENDOR DOOR REAL PROPERTIES SCHED, FOR SCHED, FOR SCHED, FOR SCHED, FOR SCHED, FOR MATCH VENDOR DOOR MATCH VENDOR DOOR MATCH MATCH VENDOR DOOR MATCH MATCH VENDOR DOOR MATCH MA	SEE FIN. SCHED. FOR WALL FINISHES HEADER GYP. BD., SEE	DOR TYPE A PAR OF BLACK MEDIUM STILE DOORS (KANWEER 350) WITH OULST BY OWLER STON WER OF BLACK MEDIUM STILE DOORS (KANWEER 350) WITH OULST BY OWLER STON OULS BY OWLER STOR FOLLOORS (KANWEER 350) WITH OULS BY OWLER DOOR TYPE E DOOR TYPE E DOOR TYPE F DOOR TYPE F DOOR TYPE F DOOR TYPE F DOOR TYPE F DOOR TYPE C DOOR TYP	MARK         ROOM NAME         (W x H x Tr)         DOOR TYPE         FRAME FYPE         HDW. HEAD         FRAME FYPE         HDW. HEAD         FRAME FYPE         HDW. HEAD         FRAME FAILS         HDW. HEAD           100A         SALES AREA         EXISTING  HR.          HR.          HW-4         13/A3           107         STOCK ROOM         3'-0"x7-0"x1-3/4"         F         HM-2         HW-3         13/A3         13/A3         13/A3         13/A3         13/A3         13/A3         13/A3
1     HARDWARE GROUPS       SCALE: NONE	HW-4       (1-1/2 PR.) BUTT HNCES, HAGER #BB1279, 4-1/2, 411/2, 626         (1) COSER, LCU #404, DUCASET, SCHLAGE #L9040 17, 626         (1) COSER, LCU #404, DUCASET, SCHLAGE #L9040 17, 626         (1) COSER, LCU #404, DUCASET, SCHLAGE #L9040 17, 626         (1) COSER, LCU #404, DUCASET, SCHLAGE #L9040 17, 626         (1) COSER, LCU #404, DUCASET, SCHLAGE NEBDIZ9, 4-1/2, X 4-1/2, 626         (1) CLASER, OWE FUNCTION LOCKET, SCHLAGE NEBDIZ9, 4-1/2, X 4-1/2, 626         (1) CLASER, DEUT HNEES, HAGER #BB1279, 4-1/2, X 4-1/2, 626         (1) CLASER, CU #404, DUCANODIC FINSH         (2) CLARELE GIRE, FINSH: 642 - AGED BRONZE         (3) SLENCERS, IVES #3664         HW-6         (1-1/2 PR.) BUTT HNEES, HAGER #BB1279, 4-1/2, 626         CHARWING SCHLE, NUSH: 549 - SATIN NICKEL         (1) COSER, LCU #4041, BURANODIC FINSH         (1) DOOR STOP, TEMOO #VOLT BATEEY         (1) DOOR STOP, TEMOO #VOLT BATEEY         (1) DOOR NEES, HAGER #BB1279, 4-1/2, 626         (2) SLENCERS, INES #3764         HW-7         (1) DOOR NEES, FINE #4040E         (1) DOOR NEES, FINE #4426E         (1) DOOR NEES, FINE #4125         (1) DOOR VEWER: HAGER MODEL#1755; MATCH FRAME FINISH         HW-7         (1) DOOR VEWER: HAGER MODEL#1755; MATCH FRAME FINISH         HW-7         (1) DOOR VEWER: HAGER MODEL#1755; MATC	SET NO.       DESCRIPTION         HW-1       (1 PR.) OFFSET PIVOT HINGES         (1 PR.) CONCEALED CLOSERS       (1 PR.) OUSTOM PUSH/PULL HANDLES         (1 PR.) 10"H BOTTOM KICKPLATE WITH CYLINDER LOCKS       (1 PR.) RECESSED FLOOR STRIKES FOR BOTH OPEN AND CLOSED POSITIONS         HW-2       Image: Control of the strikes for Both open and closed positions         HW-3       (1-1/2 PR.) BUTT HINGES, HAGER #BB1279, 4-1/2 X 4-1/2, 626         (1) OFFICE FUNCTION LOCKSET, SCHLAGE #J050 17, 626         (1) OFFICE FUNCTION LOCKSET, SCHLAGE #J050 17, 626         (1) CLOSER, LCN #4041, DURANODIC FINISH         (3) SILENCERS, IVES #SR64         (1) COAT HOOK, BALDWIN #0740.264, 3" PROJECTION, SATIN CHROME FINISH	<ul> <li>MAIN ENTRANCE (EXT DOORS SHALL PREMAIN OPEN DURING ALL BUSINESS HOURS. TENANT SHALL POST A SIGN IN A CLEARLY CONSPICUOUS LOCATION STALL POST A SIGN IN A CLEARLY CONSPICUOUS LOCATION STALL POST A SIGN IN A CLEARLY CONSPICUOUS LOCATION STALL POST A SIGN IN A CLEARLY CONSPICUOUS LOCATION STALL POST A SIGN IN A CLEARLY CONSPICUENCY LOCATION STALL POST A SIGN IN A CLEARLY CONSPICUENCY LOCATION STALL @ ROUGH</li> <li>3. ALL DOORS DESIGNATED WITH AN (E) ARE EXISTING TO INSTALL @ ROUGH</li> <li>3. ALL DOORS DESIGNATED WITH AN (E) ARE EXISTING TO INSTALL @ ROUGH</li> <li>3. ALL DOORS DESIGNATED WITH AN (E) ARE EXISTING TO INSTALL @ ROUGH</li> <li>3. ALL DOORS DESIGNATED WITH AN (E) ARE EXISTING TO INSTALL @ ROUGH</li> <li>4. DOOR TYPE ⊥</li> <li>ALL DOOR TYPE ⊥</li> <li>ALL DOOR TYPE ⊥</li> <li>ALL DOOR PROVIDED DOOR, G.C. TO INSTALL @ ROUGH</li> <li>4. DOOR TYPE ↓</li> <li>ALL DOOR PROVIDED DOOR, G.C. TO INSTALL @ ROUGH</li> </ul>	DETAILS       REMARKS         -        VERIFY DOOR HEIGHT IN FIELD(EXISTING STOREFRONT)         -        VERIFY DOOR HEIGHT IN FIELD(EXISTING STOREFRONT)         -        EXIST. H.M. REAR EGRESS DOOR TO BE RE-USED. GC TO ADD DETEX HDWR.         700       14/A700        PROVIDE ROUGH OPENING AT DOOR LOCATION PER DOOR MFR REQUIREMENTS         700       5/A700        PROVIDE ROUGH OPENING AT DOOR LOCATION PER DOOR MFR REQUIREMENTS         700       14/A700        PROVIDE ROUGH OPENING AT DOOR LOCATION PER DOOR MFR REQUIREMENTS         700       14/A700        PROVIDE ROUGH OPENING AT DOOR LOCATION PER DOOR MFR REQUIREMENTS         700       14/A700        PROVIDE ROUGH OPENING AT DOOR LOCATION PER DOOR MFR REQUIREMENTS         700       14/A700        PROVIDE ROUGH OPENING AT DOOR LOCATION PER DOOR MFR REQUIREMENTS         700       14/A700        PROVIDE ROUGH OPENING AT DOOR LOCATION PER DOOR MFR REQUIREMENTS         700       14/A700        PROVIDE ROUGH OPENING AT DOOR LOCATION PER DOOR MFR REQUIREMENTS         700       14/A700         PROVIDE ROUGH OPENING AT DOOR LOCATION PER DOOR MFR REQUIREMENTS         700       14/A700
A700	STET THE RESPONSIBILITY SUFFICIENT OF SHEET GOUZ SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.	CLIENT: CLIENT: CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975 PALLM	TENANT IMPROVEMENT FOR: <b>CITING CHARLIE</b> LEGACY PLACE 11380 LEGACY AVE. M BEACH GARDENS, FL, 33410	C O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699 SEAL:

JECT CONSISTS OF THE GENERAL CO PLACE, PALM BEACH GARDENS, FL DORDINATE WORK WITH EQUIPMENT, PLY WITH BUILDING OWNER'S RULES

A COORDINATE WORK WITH EQUIPABLIT, FURNISHINGS, AND SYSTEMS PROVIDED BY THE OWNER COORDERLY WITH BUILDING OWNER'S RULES FOR CONJUCT AN USE OF THE BUILDING AND STIE PROVIDED UNDER SEPARATE 3, 200 NOT, STORT WORK, UNDER SENTETIED ERROR OF CONSERVICE TO PROCEED IS AT CONTRACTOR'S OWNER RECORDERING BERESENTATIVE WILST BE WITHEND ERROR OF CRESSMERANCE SWITHOUT ALTERNATIVE CONTRACTS BENERATIVE WILST BE WITHEND ERROR OF CRESSMERANCE SWITHOUT ALTERNATIVE CONTRACTS BUILDING OWNER'S REPRESENTATION WILST BUILDING OWNER'S DEPRESENTATIVE A CONTRACTS WILL NOCE ON ERROR SECTOR FORMULAE CONTRACTOR WITH WARK REPORTED UNDER OTHER CONTRACTS. SEPARATE CONTRACTS WILL NOCE ON ERROR SECTOR FORMULAE UNDER CONTRACTOR WITH BUILDING OWNER'S DEPRESENTATIVE A CONTRACTS WILL NOCE ON ERROR SECTOR PROVIDE UNDER OTHER CONTRACTS. SEPARATE CONTRACTS WILL NOCE THE ADDITION CABLING AND EXCHANCE WITH WASS AND OTHER CONTRACTS WILL NUCLUE. BUT NOT NECESSARITY BE UNITED THE FOLLOWING.
B INDEFENDINT HACE BAAKNON, TESTING AND ADDILISTING.
C SECURITY, DATA, AND CONTRACTS IN THE DEDIVING CONSTRUCTION LIMITS FOR CONSTRUCTION OPERATIONS. C CONTRACTOR SHALL HAR FULL USE OF PREMISES WITHIN CONSTRUCTION LIMITS FOR CONSTRUCTION OPERATIONS. SUBJECT DATA AND CONTRACTS IN THE SUBJECT ON THE BUILING OWNER'S REPRESENTATIVE. C CONTRACTOR SHALL HAR FULL USE OF PREMISES WITHIN CONSTRUCTION LIMITS FOR CONTRACTORS. D UNITES CONTRACTOR SHALL HAR FULL USE OF PREMISES AND ADAPROV. OF THE BUILING OWNER'S REPRESENTATIVE. C CONTRACTOR SHALL HAR FULL USE OF PREMISES IS UNITED ONLY FOR ONERFINE OF BUILING OWNER'S REPRESENTATIVE. D UNITES CONTRACTOR SHALL HAR FULL USE OF RECORDER TO USE PREMISES. SUBJECT D REPRESENTATIVE.
B UNITES CONTRACTOR TO USE AND CONTRACTOR TO USE PREMISES. SUBJECT D REPRESENTATIVE.
C CONTRACTOR SHALL HAR FULL USED IN CONTRACTOR SO REPRESENTATIVE.
C CONTRACTOR SHALL HAR THE UNDER SUBJECT D ONLY FOR OWNER AND REPRESENTATIVE.
C CONTRACTOR SHALL HAR RELIVER WITH ANTERNAS. AND CONTRACTOR REPRESENTAT

HED ITEMS INDICATED TO BE INSTALLED BY CONTRACTOR

OVIDE INSTALLATION OF OWNER FURNISH

FORWARD COPIES OF EXECUTED PERMITS TO ARCHITECT.
 SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSTRUCTION STANDARD. REFER QUESTIONS REGARDING THEIR DEFINITION TO ARCHITECT FOR CLARIFICATION.
 ALL DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, UNLESS NOTED OTHERWISE.

1. PRIOR TO FIRST APPLICATION FOR PAYMENT, SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE OWNER INDICATING SEQUENCE AND PHASING OF WORK FROM START TO FINISH OF THE PROJECT.

1. SHOP DRAWKS, PROUCT DATA, AND SAMPLES.
A. THE, O'DRAWCS, PSOLUE TORY, AND SAMPLES.
A. THE, O'DRAWCS, PSOLUE TORY, AND SAMPLES.
A. THE, O'DRAWCS, PSOLUE TORY, AND SAMPLES.
B. BY ASPROVING AND SUBMITTICS SHOP DRAWNSS, SHEDULT FLAY, MR REASONART RE RESPONSED TO BY AND STREAMED AND VERFIES ALL MATERIALS, FIELD MESAGEMENTS, AND SAMPLES, THE CONTRACTOR REPERSING. THAT HE REQUIRED CONTRACTOR SHALL MATERIALS, FIELD MESAGEMENTS, AND SAMPLES, THE CONTRACTOR'S SUBMITTIAL TO THE ACCURENCES OF THE WORK AND O'F THE CONTRACT DOCUMENTS.
C. THE ACCURENCES OF THE WORK AND O'F THE CONTRACT DOCUMENTS.
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C. THE ACCURENCES THE ACCURENCE OF RESPONSIBILITY OF THE CONTRACT OF THE CONTRACT ODCUMENTS.
F. SHOP DRAWINGS, FREDUXET TAK. SEEK MARKET TO A REAL SET AND SAMPLES.
F. SHOP DRAWINGS, FREDUXET DATA, OR SAMPLES THAT COMMUNIC SECOND OF THAT AND NATURE CONTRACT DOCUMENTS.
S. SHAM THE'S SUBMITTAL.
S. SHAM THE'S SUBMITTAL HAS EEKL APPROVED.
M. SIDO REAL SET AND CONTROL TO ATA, OR SAMPLES THAT COMMUNIC SECOND OF THE CONTRACT DOCUMENTS.
S. SHAM THE'S SHALL BE AND CONTROL TO ATA, FOR THE FOLLOWING.
S. SHAM THE'S SHALL BE AND CONTROL TO ATA, FOR THE FOLLOWING.
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TERIO CUERNAL LENDA LENDA LENDA LENDAL MERICA ENGLISHAR ENGLISHER SUPERIOR DEPENDENT OF HEREIN CUERNAL ENGLISH STRUCT ID FREIZEN CUERTAR IN ANTE CONFERENCE IN THE SCHOLAR AND INTERVIEW CUERTAR IN ANTE CONFERENCE IN ANTE CONFERENCE IN ANTE CONFERENCE IN ANTE CONFERENCE IN AN INFERENCE IN AN IN

LABORATORY AS UNACCEPTABLE. SAMPLE FRESH CONCRETE IN ACCORDANCE WITH ASTM C172, EXCEPT MODIFY FOR SLUMP REQUIREMENTS OF ASTM C PERFORM 1 SLUMP TEST (ASTM C 243 AND ASTM C 172) FOR EACH LOAD OF CONCRETE AT POINT OF DISCHARGE AN EST FOR EACH SET OF COMPRESSIVE STRENGTH CYLINDERS. MAKE ADDITIONAL SLUMP TESTS WHENEVER THE VISISTENCY OF CONCRETE APPEARS TO VARY. DO NOT PERMIT PLACEMENT OF CONCRETE HAVING A MEASURED SLUMP SIDE THE LIMITS GIVEN ON THE DRAWINGS, EXCEPT WHEN APPROVED BY THE ARCHITECT/ENGINEER. SLUMP TESTS REESPONDING TO SAMPLES FROM WHICH STRENGTH TESTS ARE MADE SHALL BE REPORTED WITH THE STRENGTH TEST VLTS. OTHER SLUMP TESTS NEED NOT BE REPORTED. PERFORM 1 AIR CONTENT TEST (ASTM C 231) FOR EACH SET OF COMPRESSIVE STRENGTH CYLINDERS.

UNLESS OTHERWISE REQUIRED BY THE CONTRACT DOCUMENTS, WATER, GAS, LIGHTING, POWER ND TELEPHONE CONDUITS AND WIRES, SEWER LINES, STREETS, CURBS, DRIVEWAY APPROACHES, REES, LANDSCAPING, BUILDINGS AND OTHER SURFACE AND SUBSURFACE STRUCTURES AND NES, OPENINGS, PAVING, CURBS AND OTHER SURFACE AND SUBSURFACE STRUCTURES AND PROVEMENT ITEMS SHALL BE PROTECTED BY CONTRACTOR AND SHALL NOT BE DISTURBED, SCONNECTED OR DAMAGED BY HIM DURING PROGRESS OF WORK. SHOULD CONTRACTOR IN ERFORMANCE OF WORK DISTURB, DISCONNECT OR DAMAGE ANY OF THE ABOVE ITEMS, SMOVE, REPAIR, OR REPLACE SUCH DISCONNECTOR DAMAGED NORK AND RESTORE TO CONDITION AND IMPROVEMENTS MATCHING EXISTING UNDAMAGED ITEMS WITH MATERIALS, SCONNECTION OR DAMAGE AT NO ADDITIONAL EXPENSE TO OWNER. PROVIDE TEMPORARY ACTECTION OF THE WORK UNTIL REMOVAL OF TEMPORARY PROTECTION IS APPROVED BY

CONTRACTOR IS RESPONSIBLE FOR THE WORK AND PROPERTY OF OTHERS THAT IS IN VIRACTOR'S CARE, CUSTODY, AND CONTROL AT ALL TIMES DURING PROGRESS OF THE WORK UNTIL FINAL ACCEPTANCE. SECURE AND LOCK THE PREMISES WHEN WORKMEN ARE NOT SENT.

 MAINTAIN REQUIRED EATILS AND EATILS AND EATILS.
 IMPEDIMENTS.
 CLEAN PREMISES WITHIN CONSTRUCTION LIMITS AND ALONG ACCESS ROUTE INCLUDING COMMON AREAS. COORDINATE PROGRESS CLEANING FOR JOINT-U MORE THAN ONE INSTALLER HAS WORKED. ENFORCE REQUIREMENTS STRICTL MATERIALS LAWFULLY.
 A. KEEP INSTALLED WORK CLEAN.
 B. CONCEALED SPACES: REMOVE DEBRIS FROM CONCEALED SPACES BEFOR THE SPACE.
 C. REMOVE ALL RUBBISH AND WASTE MATERIALS FROM THE PREMISES ON A BASIS, AND PROVIDE LEGAL DISPOSAL. TRACTOR IS RESPONSIBLE FUR LILE JURISDICTION. ING THE ENTIRE PERIOD OF DEMOLITION AND CONSTRUC G. FIRE PROTECTION DEVICES AND ALARMS SHALL BE CO ITAIN REQUIRED EXITS AND EXIT EGRESS FREE FROM AL

MANUFACTURER'S NAME, TRADEMARK, LOGOS, ETC., SHALL NOT BE VIS COMPATIBILITY OF OPTIONS: IF CONTRACTOR IS GIVEN OPTION OF SEI 2 MORE PRODUCTS FOR USE ON PROJECT, PRODUCT SELECTED SHALL 20DUCTS PREVIOUSLY SELECTED, EVEN IF PREVIOUSLY SELECTED PRODU THONG

PROVIDE PRODUCTS COMPLETE WITH ACCESSORIES, TRIM FINISH, FASTENEF PROVIDE PRODUCTS COMPLETE INSTALLATION FOR THE INDICATED USE AND PROVIDE STANDARD PRODUCTS IF AVAILABLE, AND UNLESS CUSTOM PRODU-ANDARD OPTIONS ARE SPECIFIED, PROVIDE STANDARD PRODUCTS OF THE T WE BEEN PRODUCED AND USED SUCCESSFULLY IN SMILLAR SITUATIONS ON THE OWNER RESERVES THE RIGHT TO LIMIT SELECTION TO PRODUCTS WIT DNFLICT WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS. WHERE PRODUCTS ARE ACCOMPANIED BY THE TERM "MATCH SAMPLE", SAM CHITECT'S. LECTION. HHERE PRODUCTS ARE ACCOMPANIED BY THE TERM "MATCH SAMPLE", SAN CHITECT'S. DESCRIPTIVE, PERFORMANCE, AND REFERENCE STANDARD REQUIREMENTS IN DESCRIPTIVE, PERFORMANCE, AND REFERENCE STANDARD REQUIREMENTS IN SCIFICATIONS ESTABLISH "SALIENT CHARACTERISTICS" OF PRODUCTS. COFFICATIONS ESTABLISH "SALIENT CHARACTERISTICS" OF PRODUCTS. VERIFY PRIOR TO BIDDING THAT ALL SPECIFIED ITEMS WILL BE AVAILABLE I VERIFY PRIOR TO BIDDING THAT ALL SPECIFIED ITEMS WILL BE AVAILABLE I VERIFY DOCUMENTS. VERIFY DOCUMENTS. COST FOR DELAYS DUE TO UNTIMELY ORDERING, INCLUDING COST OF ARD DITIONAL SERVICE FOR RESELECTION OF MATERIALS BY ARCHITECT, IS CONT SPONSIBILITY. SIBLE TO THE PUBLIC. ELECTING BETWEEN TWO BE COMPATIBLE WITH OUCTS WERE ALSO TENERS, AND OTHER AND EFFECT. AND EFFECT. AND EFFECT. S ON OTHER PROJECTS. WITH WARRANTIES NOT II WITH WARRANTIES NOT II ARCHITECT WILL MAKE ", SAMPLE IS S IN THE LE IN TIME FOR REQUIRED BY THE - ARCHITECT'S CONTRACTOR'S

AT THE TIME OF BID SUBMITAL, THE CONTRACTOR SHALL ADVISE ARCHITECT, SPECIFIED MATERIAL OR EQUIPMENT THAT IS EITHER UNAVAILABLE OR WILL CAUS COMPLETION OF CONSTRUCTION.
 AFTER THE CONTRACT HAS BEEN EXECUTED, OWNER AND THE ARCHITECT WIL REQUEST FOR SUBSTITUTION OF PRODUCTS IN PLACE OF THOSE SPECIFIED, ON SUBSTITUTION FOR SUBSTITUTION WILL ONLY BE CONSIDERED UNDER THE F A. EACH REQUEST FOR SUBSTITUTION WILL ONLY BE CONSIDERED UNDER THE F (1) CONTRACTOR HAS PERSONALLY INVESTIGATED THE PROPOSED SUBSTITUTE DEFERMINED THAT IT IS EQUIAL OR SUPERIOR IN ALL RESPECTS TO THAT SPECIFIED INSTALLATION IN SPACES PROVIDED, AND THAT WILL ALLOW ADEQUATE SERVICE / (2) SUBSTITUTE ITEM IS COMPATIBLE WITH OTHER PORTIONS OF THE WORK; (3) SUBSTITUTE ITEM HAS BEEN COORDINATED WITH OTHER PORTIONS OF THE WORK; (4) SUBSTITUTE ITEM HAS BECIFIED WORTH OTHER PORTIONS OF THE WORK; (5) SUBSTITUTE ITEM IS CONSISTENT WITH THE CONTRACT DOCUMENTS AND WILL INTENDED RESULTS; (7) SUBSTITUTE ITEM PROVIDES SPECIFIED WARRANTY; (8) COST DATA PRESENTED IS COMPLETE AND INCLUDES ALL RELATED COSTS U EXCEPT THE ARCHITECT'S REDESIGN COSTS; (9) CONTRACTOR WAVES ALL CLAIMS FOR ADDITIONAL COSTS RELATED TO TH AND CONSISTENT, IS COMPATIBLE WITH OTHER PRODUCTS, AND IS ACCEPTABLE OR SUBCONTRACTORS INVOLVED.
 A. APRROVAL OF EACH REQUEST FOR SUBSTITUTION INVOLVES MORE THAN ONE CONTRACTOR; OR CHANGE ORDER TO THE CONTRACT DOCUMENTS AUTHORIZED BY ARCHITECT AND COSTS FOR REDESIGN SERVICES FOR SUBSTITUTION, CONTRACTOR S COSTS FOR REDESIGN SERVICES RELATED THERETO.

DSTS UNDER THIS CONTRACT TO THE SUBSTITUTION WHICH DR, OR SUBCONTRACTOR, S OF THE WORK, IS UNIFORM TABLE TO ALL CONTRACTORS, HE FORM OF A WRITTEN TAND OWNER. CTOR SHALL ASSUME ALL

12 DATE SENSITIVE EQU

DEFINITION: DATE SENSITIVE EQUIPMENT INCLUDES EQUIPMENT, SYSTEMS / THEREOF WHICH RELY ON OR UTILIZE COMPUTERS, SUBSYSTEMS, HARDWARE, INCLUDING EMBEDDED CHIP SYSTEMS OR COMPONENTS, WHICH PROCESS, SEC UTILIZE, OR IN ANY FASHION ARE AFFECTED IN FUNCTION OR OPERATION BY OR TIME AND TIME RELATED DATA, INCLUDING THE PASSAGE OF TIME.
 DATE SENSITIVE EQUIPMENT, SYSTEMS AND COMPONENTS THEREOF MUST I COMBINATION PROPERLY FUNCTION AND CONTINUE TO CORRECTLY PROCESS, DATE AND TIME RELATED DATA FOR ALL DATES AND COMPONENTS THEREOF MUST.
 CORRECTLY FOR SALD EQUIPMENT, SYSTEMS AND COMPONENTS THEREOF MUD EXPECTANCY FOR SALD EQUIPMENT, SYSTEMS AND COMPONENTS THEREOF.
 CORRECTLY PROCESS, SEQUENCE, AND CALCULATE ALL DATE AND DATE RE DATES PRIOR TO, THROUGH AND AFTER JANUARY 1, 2000, INCLUDING LEAP V 4. SOFTWARE PRODUCTS THAT PROCESS DATE OR DATE RELATED DATA SHALL TRANSMIT DATE DATA IN A FORMAT WHICH EXPLICITLY AND UNAMBIGUOUSLY S CENTURY.

EMS AND COMPONENTS VARE, SOFTWARE, FIRMWARE, S, SEQUENCE, CALCULATE, N BY DATE AND DATE RELATED UST INDIVIDUALLY AND IN UST INDIVIDUALLY AND UTILIZE ESS, SEQUENCE AND UTILIZE JIR DURING A REASONABLE LIFE F.

CONTRACTOR SHALL INCLUDE THIS REQUIREMENT IN ALL SUB-CONTRACTOR SHALL INCLUDE THIS PROJECT. THIS PROJECT. ROVIDE CERTIFICATION FROM SUPPLIERS AND SUB-CONTRACTORS PRO POMENT, SYSTEMS, AND SOFTWARE THAT THE PROPOSED EQUIPMENT, O PLY WITH THESE REQUIREMENTS.

ELATED DATA FOR ALL YEAR CALCULATIONS. . RECOGNIZE, STORE AND SPECIFIES THE CORRECT AND EQUIPMENT ORDERS NG DATE SENSITIVE PONENTS AND SYSTEMS

VERIFY ALL DIMENSIONS AND COMPARE TO EXISTING CONDITIONS PRIOF ) NOT SCALE DRAWINGS, DIMENSIONS GOVERN. LARGE SCALE DETAILS G TOLELEDING WITH THE WORK SUPPLY ALL NECESSARY INFORMATION ON REQUIRED CUTOUTS FOR PL LLWORK CONTRACTOR. REQUEST A FIELD REVIEW BY ARCHITECT OF LAYOUT AFTER PARTITIONS JE ARE INSTALLED. AR TO LAYING OUT THE WORK. GOVERN OVER SMALLER SCALE INSTRUCTIONS PRIOR TO LUMBING FIXTURES TO IS WITH GYPSUM BOARD ON

COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMET ODUCTS IN APPLICATIONS INDICATED. INSTALL WORK PLUMB, LEVEL, TI CATIONSHIP TO ADJACENT MATERIALS AS SHOWN. ENSURE THAT INSTALLATION CONFORMS TO BUILDING CODE REQUIREME ECIFIED ARE INTENDED TO MEET CODE REQUIREMENTS. IMMEDIATELY N SCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND CODE REC OCEED WITH INSTALLATION UNTIL INSTRUCTIONS RESOLVING DISCREPANC

NDATIONS FOR INSTALLING IRUE TO LINE AND IN ENTS. THE MATERIALS NOTIFY ARCHITECT OF ALL QUIREMENTS. DO NOT CIES HAVE BEEN RECEIVED.

TART EQUIPMENT AND OPERATING COMPONENTS TO CONFIRM PROPER UNCTIONING UNITS, REPLACE WITH NEW UNITS, AND RETEST. JUUST OPERATING COMPONENTS FOR PROPER OPERATION WITHOUT BI JUCING EXCESSIVE NOISE. ADJUST EQUIPMENT FOR PROPER OPERAT OTECT INSTALLED CONSTRUCTION. STARTING AND

REMOVE TING, OR

732 CUTTING AND

PROVE CUTING AND FACTORS
 PROVIDE CUTING, DRILLING, AND PATCHING, INCLUDING PROTECTION OF AD EXCAVATION. FILL AND COMPACTION TO COMPLETE THE WORK, AND TO (1) FT TOGETHER, TO INTEGRATE WITH OTHER WORK, (2) UNCOVER WORK TO INSTALL REMOVE SAMPLES OF INSTALLED WORK REQUIRED FOR TESTING, (4) REMOVE AND NON-CONFORMING WORK, (5) PROVIDE OPENINGS IN ELEMENTS OF WORK MECHANICAL AND ELECTRICAL WORK, (5) PROVIDE OPENINGS IN ELEMENTS OF WORK NECHANICAL AND ELECTRICAL WORK, (6) RESTORE SURFACES TO THEIR ORGAN RESTORE SURFACES TO PROVIDE SUBSTRATES SUITABLE TO RECEIVE WE CON 2. DO NOT CUT AND PATCH STRUCTURAL ELEMENTS AND RELATED COMPONENTS RESULTS IN REDUCING THEIR CAPACITY ON DEFARITION BATIO 3. DO NOT CUT AND PATCH STRUCTURAL ELEMENTS AND RELATED COMPONENTS RESULTS IN REDUCING THEIR CAPACITY ON DEERFORM AS INTENDED OR THAT COLL COMPONENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPA REDUCING THEIR CAPACITY TO REPORT AS INTENDED OR THAT RESULTS IN OR DECREASED OPERATIONAL LIFE OR SAFETY. MISCELLANEOUS ELEMENTS IN MOSTURE, OR VAPOR BARRIERS, (2) MEMBRANES AND FLASHINGS, (3) EXTERPING CONSTRUCTION, (4) EQUIPMENT SUPPORTS, (5) PIPING, DUCTWORK, VESSELS, (6) NOISE- AND VIBBATION-CONTROL ELEMENTS AND FLASHINGS, (3) EXTERPING CONSTRUCTION, (4) EQUIPMENT SUPPORTS, (5) PIPING, DUCTWORK, VESSELS, (6) NOISE- AND VIBBATION-CONTROL ELEMENTS AND FASHINGS, (3) EXTERPING CONSTRUCTION, (4) EQUIPMENT SURPASSES THAT OF EXISTING MATERIALS (5) NOT CUT AND PATCHING. DO NOT CUT AND PATCH RESULTS IN VISUALLY UNSATISFACTORY MANURE.
 CHIPCOY SKILLED WORKERS TO PERFORM CUTTING AND PATCHING, REDUCA A VISUALLY UNSATISFACTORY MANURE.
 CUTTING AND PATCHING, PROCEED WITH CUTTING AND PATCHING AT THE EA AND COMPLETE WITHOUT DELAY.
 CUTTING AND PATCHING EXECUTION IN A MANURE THAT ESULTIS IN VISUALLY UNSATISFACTORY MANURE.
 CUTTING AND PATCHING EXECUTION AND PATCHING AND PATCHING AT THE EA AND CONSTRUCTION NAMARER THAT WOULD, IN ARCHITER AND PATCHING AT THE EA AND CONSTRUCTIO

TIGHT. AT PLETELY SEAL VOIDS RUCTION ELEMENT TO RATED CONSTRUCTION. NUOUS SURFACES,

INDING, AND SIMILAR ELEMENTS RETAINED

D. RESTORE WORK USING NEW PRODUCTS IN ACCORDANCE WITH REQUIREME DOCUMENTS. E. FIT AND SEAL INTERIOR WORK AIRTIGHT TO PIPES, SLEEVES, DUCTS, CON PENETRATIONS THROUGH SURFACES. F. FIT AND SEAL PENETRATIONS THROUGH EXTERIOR WORK AND SLABS WATI PENETRATIONS OF FIRE-PATED WALL, CEILING, OR FLOOR CONSTRUCTION, COI WITH FIRE STOPPING AND SEAL AND PENETRATION RATING EQUIVALENT TO ADJACENT G. REFINISH EXPOSED SURFACES TO MATCH ADJACENT TO ADJACENT REFINISH TO NEAREST INTERSECTION; FOR AN ASSEMBLY, REFINISH ENTIRE UN 8. CUT IN-PLACE CONSTRUCTION, USING METHODS LEAST LIKELY TO DAMA OR ADJOINING CONSTRUCTION.

ADJACENT SURFACES, FIT THE SEVERAL PARTS ALL ILL-TIMED WORK, (3) © RK FOR PENETRATIONS OF IGINAL CONDITION, AND (7) 20NSTRUCTION. JULD CHANGE THEIR NTS IN A MANNER THAT T RESULTS IN INCREASED 2LEMENTS INCLUDE (1) WIRNG SYSTEMS, (9) ELEMENTS INCLUDE (1) WIRNG SYSTEMS, (9) ELEMENTS OR RELATED 2APACITY, THAT RESULTS IN IN INCREASED MAINTENANCE INCLUDE (1) WATER, TERIOR STOREFRONT LS, AND EQUIPMENT, AND TING MATERIALS, OR IF E FULLEST POSSIBLE AND S. S. EARLIEST FOSSIBLE AND S. S. CUTE WORK BY METHODS URFACES TO RECEIVE : EARLIEST FEASIBLE TIME, EARLIEST FEASIBLE TIME, IER COMPONENTS OR REQUIRED TO RESTORE )R WEATHER-EXPOSED, ATIC TOOLS ARE NOT EMENTS OF CONTRACT CONDUIT, AND OTHER

UTES DAILY, --USE AREAS WHERE CTLY. DISPOSE OF ORE ENCLOSING AT LEAST A WEEKLY IG EXIT SIGNS, EXIT MAINTAINED. ONS AND PROJECT FIELD , INCLUDING IPROVEMENTS; I REFERENCED T CONTRACT ORRECTED, VED, INCLUDIN ARCHITECT, NNGE ORDERS L SUBMITTALS D BY THE CONSTRUCTION TURNED OVEL

CEEDING PROTECTION DF CONTRACTORS EMPLOYEES COORDANCE WITH CURRENT OSHA TH LATEST AMENDMENTS, AND AND SAFETY ACT, TEXAS REVISED TIONS DEEPER THAN FIVE (5) S, AS SPECIFIED AND INDICATED, D BY A REGISTERED PLACE. SHEETING

ALTERNATIVE METHOD FROM THOSE SPECIFIED, SUBMIT E METHOD SEALED BY A REGISTERED PROFESSIONAL 3Y OWNER. OWNER'S APPROVAL SHALL BE PERMISSION AND SHALL NOT BE CONSTRUCTION. ANY WAY TO MEAN OR METHODS OF CONSTRUCTION. CONTRACTOR ASSUME USES, INCLUDING OPTIONS INDICATED AND SPECIFIED.

-ON-GRAUE. ED SUBGRADES. ING, AND COMPACTION FOR BUILDINGS AND STRUCT INS, DRILLED PIER FOUNDATIONS, AND MECHANICAL

ITECT, IN WRITING OF ANY CAUSE A DELAY IN THE TWILL CONSIDER A FORMAL ), ON THE REQUEST FOR THE FOLLOWING CONDITIONS: ACTOR'S CERTIFICATION THAT: ITUTE PRODUCT AND SPECIFIED: QUALITY AND DURABILITY, WEIGHT THAND DURABILITY, WEIGHT THAT WILL PERMIT //CE ACCESS;

D PAVEMENTS): SANDY LEAI A NO. 200 (0.075 MM) ETWEEN 8 AND 20; AND RROW MATERIAL PROPOSED WITH REQUIREMENTS AND

; THE WORK AND DOES NOT ITTES HAVING JURISDICTION; WILL PRODUCE THE

PARAFILI, SYNAL STALL SYNAL SET, MATERIAL FOR FULL AND BACKFILL AND BACKFIL AND BACKFILL AND BACKFILL AND BACKFILL AND BACKFILL AND BACKFIL

T SPOTS DOWN TO FIR SOILS, AND AREAS OF WITH SELECT STRUCTUR CIFIED. SECT WATER AWAY FRO UBGRADES TO REQUIRE DUBGRADES TO REQUIRE DE BUILDING LINES: FIT 22 INCH (12 MM) WHE 20 FIRM SOIL, MINIMUM 12 INCHES (300 MM) DEEP), OF EXCESSIVE PUMPING OR RUTTING, AS DETERMINED BY STURAL FILL IN MAXIMUM 8 INCHES (200 MM) DEEP LIFTS, AND FROM THE BUILDINGS AND TO PREVENT PONDING. GRADE TO JUIRED ELEVATIONS WITHIN THE FOLLOWING TOLERANCES : FINISH SUBGRADE TO REQUIRED ELEVATIONS WITHIN A WHEN TESTED WITH A 10-FOOT (3 M) STRAIGHT EDGE.

ASTM A 366; PROVIDE HOHMANN & BARNARD CORRUGATED 5-INCH (1.6-MM) THICK, SPACED 16" (400-MM) O.C. VER DRIZONTALLY, AND ARRANGED TO STAGGER TIES IN ALTERNAT NR-O-WAL OR HECKMANN BUILDING PRODUCTS. DO NOT U NIZED STEEL SHEET.

GALVANIZED ND 16" ES, OR FABRICATED

r" by york Neral XCESS MORTAR MS FROM 7 AND LLAR FINISHES. BOND

LF SIZE UNITS RY WORK IN ES ABOVE AND

D CEMENT: A DI CEMENT: PROVIDE TYPE I, SUBJECT TO COM S, TX, (TEL) 512-0 NOT USE MAS2-E PORTLAND CEM CED MASONRY AN MORTAR MIX CO MORTAR MIX CO E (ASTM C 207, 8 SIEVE), COLC

RE THAN 0.60% VG MASONRY CEMENT CEMENT, OR C 270, TYPE S AIX FOR AIX FOR TI (ASTM C 150, I NOT LESS O NOT USE

ALLOW FOOTINGS, BEFORE SHALLOW N TREATED SOILS D. USE J WARNING SIGNS S HAVING MIX SOIL REQUIRED FOR TION OF OWING SO THAT ESTABLISHED

EEL WIRE INTO

\_S, MIXTURE AS, AND

MAXIMUM PROVIDE ONLY ND ALL S-STEEL BAR

LAND GAND TECT

PLYING WITH ASTM C 94. TIFIED BY MANUFACTURER TO CONTAIN NOT MORE THAN 0.05 IDE IONS BY MASS OF CEMENTITIOUS MATERIAL AND TO BE RES AND CEMENTITIOUS MATERIALS. DO NOT USE ADMIXTURES

URE: ASTM C 260. URE: ASTM C 260. ATURE: ASTM C 494, TYPE A EDUCING ADMIXTURE: ASTM C ACCELERATING ADMIXTURE: ASTM RETARDING ADMIXTURE: ASTM RETARDING ADMIXTURE: ASTM RETARDER: POLYOLEFIN OR PO DETERIORATION WHEN TESTED .

0. 494, TYPE A. TYPE A. ASTM C 494, TYPE F. MIXTURE: ASTM C 494, TYPE D. JLEFIN OR POLYETHYLENE SHEET COMPLYING WITH ASTM D JLEFIN OR POLYETHYLENE SHEET COMPLYING WITH ASTM D IEN TESTED ACCORDING TO ASTM E 154; AND AS C OR BETTER; WITH MAXIMUM WATER VAPOR PERMEANCE VICE WITH ASTM E96; AND NOT LESS THAN 10 MILS S; "STEGO WRAP 10" BY STEGO INDUSTRIES (TEL) F INDUSTRIES, OR "RUFCO D16WB" OR "VAPORBLOCK 10" BY W. R. MEADOWS. PROVIDE COMPLETE WITH

RED FOR R KENAF,

RECOMMENDED SEAMING TAPE. RECOMMENDED SEAMING TAPE. RECOMMENDED SEAMING TAPE. RETARDER: WATERBORNE, MONOMOLECULAR FILM FORMING, MANUFACTUR RETARDER: WATERBORNE, MONOMOLECULAR FILM FORMING, MANUFACTUR RESH CONCRETE. OVER: ASHTO M 182, CLASS 2, BURLAP CLOTH MADE FROM JUTE OR XIMATELY 9 0Z./SQ. YD. (305 G/SQ. M) DRY. TAINING COVER: ASTM C 171, POLYETHYLENE FILM OR WHITE YLENE SHEET. Y RECEIVE COATINGS 5 PERCENT SOLIDS, INTERFERE WITH JAMOND CLEAR ., "VOCOMP-20" BY SEAL" BY XTS.

PF CURREX, OR "CURE 4 SEAL 2006" BY NOX-ORELE PRODUCTS.
EF (INTERIOR EXPOSED SLABS AS INDICATED, AND NOT SCHEDULED TO RECEIVE SONNEBORN "KURE-N-SEAL 30." OR L & M CONSTRUCTION CHEMICALS "DRESS ROUN "SEAL & FINISH" APPLIED IN 3 SEFARATE COATS, WITH FINAL COAT OR TO FINAL ACCEPTANCE OF THE WORK.
ORON "SEAL & FINISH" APPLIED IN 3 SEFARATE COATS, WITH FINAL COAT OR TO FINAL ACCEPTANCE OF THE WORK.
ONON-METALLIC, PRE-MIXED, NON-SHRINK; CORPS OF ENGINEERS 0'NS GROUT. MASTER BUILDERS COMPARY "MASTEERFLOW 713." L & M EMICALS "CRYSTEX." SIKA "SIKAGROUT 212." SONNEBORN "SONOGROUT 10K," STO UT CR732." OR W. R. MEADOWS "NS GROUT." REFER TO STRUCTURAL DRAWINGS EQUIREMENTS.
PAND DESIGN OF MIXES, GENERAL: PROVIDE CONCRETE OF EACH COMPRESSIVE ICATION INDICATED ON THE STRUCTURAL DRAWINGS. DESIGNED BY THER BATCH (METHOD 1) OR FIELD EXPERIENCE METHOD TO ACHIEVE AN AVERAGE ESS OF THE SPECIFIED STRENCTH IN ACCORDANCE WITH THE STANDARD DEVIATION PREVIOUS TESTS OR BY 1200 PSI (8.3MPA) IF THE MIX IS PREPARED BY THE THOD.
PREVIOUS TESTS OR BY 1200 PSI (8.3MPA) IF THE MIX IS PREPARED BY THE THOD.
PREVIOUS TESTS OR BY 1200 PSI (8.3MPA) IF THE MIX IS PREPARED BY THE ARGEST AGRECATE SIZE PERMISSIBLE FOR INTERIOR SLABS-ON-GRADE AMMXTURE (SUPERPLASTICIZER). CONCRETE FOR INTERIOR SLABS-ON-GRADE AGRESS AND ANGLES OF THE INGREDIENTS TO PRODUCE THE MIX HIE STANDARD DEVICE PROPORTIONS OF THE INGREDIENTS TO PRODUCE A MIXTURE WHICH WILL WORK (CORNERS AND ARGED FORMS AND AROUND THE SURFACE.
PROPORTION NORMAL-WEIGHT CONCRETE MIX WITH A 28-DAY COMPRESSIVE 10 CORSOLIDATION EMPLOYED ON METER CEMENT RATIO OF 0.55 REMITTING EXCESSIVE FREE WATER TO CONCRETE MIX WITH A 28-DAY COMPRESSIVE 10 MORE THAN 5-INCHES (127 MM).
DE: PROPORTION NORMAL-WEIGHT CONCRETE MIX WITH A 28-DAY COMPRESSIVE 2000 ON THE DRAWINGS AND A WATER CEMENT RATIO OF 0.45 MAXIMUM 4ED). PROVIDE MIX DESIGN WITH A SLUMP NOT LESS THAN 3-INCHES (75 MM).

TECT, AND REPAIR VITTEN INSTRUCTIONS D: MAXIMUM JOINT LESS AND AT A MINI SAWED JOINTS UNLES ATTERN INDICATED. SUCH THICKNESS T JUGH TO CAUSE SEA USLY, PROVIDE CONS

NG TO ASTM C RDER SHEETS NDARD SHALL BE 36 COLUMN LINES WISE NOTED. WISE NOTED. VISE NOTED. VISE OF LANES OF

LL F CURING C SOMPATIBILITN SPLY UNIFOR TO REOLL TO TO HEAV S LATER SE DUP

COV

UBMIT AT LEAST 3 COLOR, TEXTURE, AND , PROJECTIONS AND ARTIALLY COMPLETED

REEDING, PLANE TYPE. USE TINSH, AS PER ATED IN A ATED IN A R'S WRITTEN R'S WRITTEN S AFTER INITIAL

Rec:       Rec:	WITH AWI'S "ARCHITECTURAL WOODWORK QUALITY       FOR PLASTIC LAMINATE AND OPACIPE FINISHED WORK AS         ICONSTRUCTION FOR INTERIOR ARCHITECTURAL WOODWORK,       FOR PLASTIC LAMINATE AND OPACIPE FINISHED WORK AS         ION LABELS OR COMPLANCE CERTIFICATE INDICATING THAT       INTHE AND OPACIPE FINISHED WORK AS         ION LABELS OR COMPLANCE CERTIFICATE INDICATING THAT       INTHE AND OPACIPE FINISHED WORK AS         ION LABELS OF COMPLANCE CERTIFICATE INDICATING THAT       INTHE AND OPACIPE FINISHED WORK AS         ION LABELS OF COMPLANCE CERTIFICATE INDICATING THE       INTHE AND OPACIPE FORMALDEHYDE FREE.         IN SECTION 400 DETAILS AND CONSTRUCTION TYPES       INTERIALS:         SORY MATERIALS:       INTERIALS:         SORY MATERIALS:       INTERIALS AND CONSTRUCTION TYPES         SORY MATERIALS:       INTERIALS:         IN SECTION 400 DETAILS AND CONSTRUCTION TYPES         IN SECTION 400 DETAILS AND CONSTRUCTION TYPES	INITS IN SLABS-ON-GROUND: MAXIMUM JOINT SPACING SHALL BE R 20 FEET, WHICHEVER IS LESS AND AT A MINIMUM ON COLUMN ON THE DRAWINGS. PROVIDE SAWED JOINTS UNLESS OTHERWISE <sup>3</sup> DECORATIVE SAWN JOINTS IN PATTERN INDICATED. <sup>3</sup> DECORATIVE SAWN JOINTS IN PATTERN INDICATED. <sup>4</sup> DECORATIVE SAWN JOINTS IN PATTERN INDICATED. <sup>4</sup> DECORATIVE SAWN JOINTS IN PATTERN INDICATED. <sup>5</sup> DECORATIVE SAWN JOINTS IN PATTERN INDICATED. <sup>5</sup> DECORATIVE SAWN JOINTS IN PATTERN INDICATED. <sup>6</sup> DECORATIVE SAWN JOINTS IN PATTERN INDICATED PLACED CONCRETE <sup>5</sup> DECORATIONS FOR CONCRETE SURFACES. DO NOT WET CONSCRETE <sup>5</sup> OPERATIONS FOR CONCRETE SURFACES. DO NOT WET CONSCRETE <sup>5</sup> TO ALL FLOOR SLAB SURFACES. DO NOT WET CONSCRETE <sup>5</sup> TO ALL FLOOR SLAB SURFACES. DO NOT WET CONCRETE <sup>5</sup> SH TO ALL FLOOR SLAB SURFACES. DO NOT WET CONCRETE <sup>5</sup> TO ALL FLOOR SLAB SURFACES TO A OUT-OF-PLANE <sup>5</sup> PERIOD. <sup>5</sup> OUND: APPLY UNIFORMLY TO FLOORS AND SLABS INDICATED IN A <sup>6</sup> SPRAY OR ROLLER ACCORDING TO MANUFACTURER'S WRITTEN <sup>15</sup> DECOED TO HEAVY RAINFALL WITHIN THREE HOURS AFTER INITIAL <sup>14</sup> HOURS LATER AND APPLY A SECOND COAT. MAINTAIN <sup>14</sup> DAMAGE DURING CURING PERIOD. <sup>14</sup> RAMAGE DURING CURING PERIOD. <sup>15</sup> RK	PROPORTION NORMAL-WEIGHT CONCRETE MIX WITH A       CLIENT:         AS SHOWN ON THE DRAWINGS AND A WATER CEMENT RATIO       CLIENT:         RE THAN 5-INCHES (127 MM).       NOT LESS THAN       CLIENT:         NN NORMAL-WEIGHT CONCRETE MIX WITH A 28-DAY       NON THE DRAWINGS AND A WATER CEMENT RATIO OF 0.45       C         VN NON THE DRAWINGS AND A WATER CEMENT RATIO OF 0.45       PROVIDE MIX DESIGN WITH A SLUMP NOT LESS THAN 3-INCHES       C         ASURE, BATCH, MIX, AND DELIVER CONCRETE ACCORDING TO       TICKET INFORMATION.       HO         AP JOINTS, SEAL, PROTECT, AND REPAIR VAPOR-RETARDER       1643 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.       HO         E 1643 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.       EINFORCING: COMPLY WITH CRSI'S "MANUAL OF STANDARD       HO	<ul> <li>POLYOLEFIN OR POLYETHYLENE SHEET COMPLYING WITH DETERBORMAINON WHEN LESTED ACCORDING TO ASTINE 1145; THAS, CLASS C OR BETTER; WITH MAXIMUM WATER VADE NOCE WITH ACI 302, TR-96: "STEGO WAAP 10" BY STEGO "ORFFOLVE 1-8" BY REFE INVOLVED. OF BY STEGO "CREPTOLYEL 1-8" BY REFE INVOLVED. OF BY STEGO "STEED SLASS S, BURLAP CLOTH WADE FROM JUTE OR KENAF, "SSD, 'D' (305 G/SD, W) DRY.</li> <li>SATM C 171, POLYETHYLENE FLW OR WHITE "ANNE CURING COMPOUND (CONCRETE INDICATED TO RECEIVE "STELL 10, POLYETHYLENE FLW OR WHITE "STE SLALESS." SALE CURE AND SEAL (1-19)" BY DAYTON WEEKS STERS S, SALE CURE AND SEAL (2-19)" BY DAYTON WEEKS STERS S INDICATED, AND NOT SCHEDULED TO "NNEEDON "KURE-N-SEAL 30" OR L &amp; M CONSTRUCTION 30" OR OKON "SEAL &amp; FINISH" APPLIED IN 3 SEPARATE CONTS, " FEALUL, PRE-INXED, NON-SHERUK CORE" BY EVENUS." ON VIEW ACCEPTIONE OF THE WORK." "FORD TO FINIA ACCEPTIANCE OF THE WORK." " FRANCES CONCARING FT A WORK." " FRANCE SUMPARIA CONFERENCE TO STRUCTURAL FORD TO STRUCTURAL DEVINES." " ANY R. REFORMS "NS GROUT" ACHER AN AVERAGE COFED STRUCTURAL PROVIDE CONCRETE OF SUMURES." " TAKET BUILDES CONCARILE FOR INSTRUCTURAL FORD STRUCTURAL DEVENDANCE." " ANY R. SECOFFED WATER-REDUCING ADMXTURE OR " WAS GENERAL PROVOD TO FILE EXPERIENCE." IN THE SECOFFED MATER-REDUCING ADMXTURE OR PERPLANATORY." TO PROVOUC THE SPECIFIE ONNEROES AND AVALES OF FORMASING ARD AROUND THE EVANCEMENT STOR OF AND ATER PROPERING." " HAND WATER-CEMENT STOR OF PROVICE THE MAX IS " THE CORREST AND ASLES OF FORMASIAND AROUND THE PLACEMENT STOR OF PROVICE THE PROPERING." THAND WATER-CEMENT STOR OF PRODUCE A MIXTURE THAND WATER-CEMENT STOR OF PRODUCE A MIXTURE THAND WASTER-SEMENT STOR OF PRODUCE A MIXTURE THAND WASTER FOR DAVID STOR OF PRODUCE A MIXTURE THAND WASTER FOR THE AND AND AND AND THE PLACEMENT ON</li></ul>	MPRECNATE LUMBER AND PLYWOOD WITH FIRE-RETARDANT A C20 AND C27, RESPECTIVELY. CHLORIDE. ESSURE PRESERVATIVE TREAT ALL ROOF CURBS, NAILERS ASTM C 260. EXPOSURE AND EXTERIOR ITEMS IN CONTACT WITH CONCRETE 	Revube Materials with Smooth, FLAT Surfaces Without ARS: ASTM A 35/A 36M. ARS: ASTM A 276, TYPE 304. Steel Tubing Computing With ASTM A 500. Steel Tubing Computing With ASTM A 500. Steel Tubing Computing With ASTM A 500. Remut and accelerate and the second steeler is 2006AL LOADS. B 221 (ASTM B 221M) ALLOY 6063-16. EANLY AND ACCIDIATE ALLOY 6063-16. EANLY AND ACCIDIATELY. REMORE BURES. SMTINUOUSLY. USE MATERIALS AND METHODS THAT MINIMIZE INTRUOUSLY. USE MATERIALS AND METHODS THAT MINIMIZE SUPPORTS: FABRICATE STEEL FRAMING AND SUPPORTS THAT ARE I. FRAMEWORK AS NECESSARY TO COMPLETE THE WORK. CUT, THANDWORE, HANGERS, AND SIMILAR TEMS. TER ASSEMBLY. COMPLY WITH NAAMM "VETAL FINISHES MANUAL RODUCTS" FOR RECOMMENDATIONS FOR APPLYING AND DESIGNATING METAL TIEMS NOT INDICATED TO BE GALVANIZED. LOCKING FOR SUPPORT OR ATTACHMENT OF OTHER WORK. LICOKING FOR SUPPORT OR ATTACHMENT OF OTHER WORK. LICOKING FOR SUPPORT OR ATTACHMENT OF OTHER WORK INFAPLING, AND OTHER CONDITIONS SHOWN. PROVIDE FULL WOOD BLOCKING BEHIND SHELF SUPPORT STANDARDS. ENT MAXIMUM FOR LUMBER TEMS, INCLUDING MEMBERS OF SIZES IFASTENING, AND OTHER CONDITIONS SHOWN. PROVIDE FULL WOOD BLOCKING BEHIND SHELF SUPPORT STANDARDS. ENT MAXIMUM FOR SIZE UNBER OF ANY SPECIES OR BOARD SIZE MMONO OR STANDARD GRADE BOARDS PER SPIB. WCLIB OR GY UNDER WHICH LUMBER TO GADE DESIGNATION, APA C-D IE, IN THEKNESS INDICATED, OR, IF NOT OTHERWISE INDICATED, IN THEKNESS INDICATED, OR, IF NOT OTHERWISE INDICATED, WHERE FIRE-RELARDANT TREATED WOOD IS REQUIRED BY WHERE FIRE-RETARDANT TREATED WOOD IS REQUIRED BY
SPECIFICATION	lescription		CHARMING CHARLIE 5999 SAVOY DRIVE JUSTON, TEXAS 7703 Phone (713) 579-1975	charming CHARLIE	ST FOR:	C O R T L A N C M O R G A N A R C H I T E C 1 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635-5696 FAX: (817) 635-5699

TEET NO

SP01

SPECIFICATIONS

AS NOTED 08.31.2011

Date 0712

NG CHARLIE NOY DRIVE TEXAS 77036 13) 579-1975

LEGACY PLACE 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410

..., NUTE ..., AND CAVITIES: KEEP CELLS AND SHOV ..., O.C. HORIZONTALLY ..., INTELS, LEDGES, AND OTHER OBSTRUCTION URERE INDICATED. PREPARE MASONRY SURFACE JRE FLASHING. OR TAPE AS RECOMMENDED BY FL SALANT, OR TAPE AS RECOMMENDED BY FL NTHAT RATE OF ABSORPTION WHEN LAID IS LI WERICA RECOMMENDED PROCEDURE OF PLAYIN JNS FROM THE PILE ONE-DAY BEFORE BRIC/V HOSE STREAM ON PILE SEVERAL HOUP? JOINTS: MAINTAIN JOINT WIDTHS ?' UD ALIGNMENT. IF NOT OTP' EXPANSION JOINTS ^' A JNN ?'

AVITIES FREE OF AND PROVIDE WEE DNS TO DOWNWART ORTAR, SEAL PENI ORTAR, SEAL PENI ( FLASHING MANUF 4 20 G./30 SQ. II IS LESS THAN TH ULAYING A HOSE S BRICK ARE TO BE S BEFORE BRICK , V. EXCEPT FOR M DICATED, LAY WALL DICATED, LAY WALL DICATED, LAY WALL DICATED, TOOL EXPOS AULKING OR

C DROPPINGS. S IN MASONRY AT OF WATER IN LECTIONS THAT S IN FLASHING S IN FLASHING S DETERMINED BY IT. USE BRICK A VERY WARM N VERY WARM N VERY WARM ITONS REQUIRED INO INDICATED IF NOT INDICATED IF NOT INDICATED SLIGHTLY CONCAVE. WHERE SHOWN. THE BUCKET AND N BIA TECHNICAL NER SPECIFIED TO

ORTAR AND GROUT WITHIN 2-DARD MORE THAN 45 MINUTES ETWEEN 55% AND 70%. ON V D NOT MORE THAN 30 MINUTE D NOT MORE THAN 30 MINUTE RICK WITH COMPLETELY FILLED FILL HEAD JOINTS AND SHOV 400-MM) O.C. HORIZONTALLY

BED AND HE

LLEND OF PLACED. S. DO NOT USE S. (24°C) AND SFF (24°C) AND WORTAR IS WORTAR IS HITER ENDS HITER ENDS HITER ENDS HITER ENDS

WEEP

GRANT 5632, ACCURIDE 3832SC SELF-CLOSING, OK APHRVELU ELQUIVALENI.
IFULL EXTENSION HEAVY LOAD DRAWER SLIDES (150 LB. CAPACITY FOR DRAWERS UP TO 30° WIDE): ACCURIDE 4034, OR APPROVED EQUIVALENT.
J. BALL BEARING, RAIL MOUNT, FULL EXTENSION, ANTI-TILT, HEAVY DUTY DRAWER SLIDES (200 LB. CAPACITY FOR DRAWERS UP TO 42° WIDE): ACCURIDE 3641 WITH OPTIONAL 4180-0345-XE GANG LOCKING SYSTEM, OR APPROVED EQUIVALENT.
K. BALL BEARING, RAIL MOUNT, FULL EXTENSION HEAVY DUTY LATERAL DRAWER SLIDES (200 LB. CAPACITY FOR DRAWERS UP TO 42° WIDE IN SIDE OR UNDERCARRIAGE MOUNTING): ACCURIDE 3640, OR APPROVED EQUIVALENT.
L. BALL BEARING, RAIL MOUNT, FULL EXTENSION PENCIL DRAWER SLIDES: ACCURIDE 2632, OR 2006, OR APPROVED EQUIVALENT.
M. BALL BEARING, RAIL MOUNT, FULL EXTENSION VERTICAL FLIPPER DOOR SLIDES: ACCURIDE 2632, OR 2009, OR APPROVED EQUIVALENT.
M. BALL BEARING, RAIL MOUNT, FULL EXTENSION VERTICAL FLIPPER DOOR SLIDES: ACCURIDE 2632, OR 2009, OR APPROVED EQUIVALENT.
M. BALL BEARING, RAIL MOUNT, FULL EXTENSION VERTICAL FLIPPER DOOR SLIDES: ACCURIDE 2602, OR APPROVED EQUIVALENT.
O. CLOSET RODS (WHERE SHOWN): KV-2. OR APPROVED EQUIVALENT.
O. CLOSET RODS (WHERE SHOWN) KV-2. OR APPROVED EQUIVALENT.
O. CLOSET RODS (WHERE SHOWN) KV-2. OR APPROVED EQUIVALENT.
DIFFERENTLY IN EACH ROOM AND KEYED TO BUILDING KEYING SYSTEM, OR APPROVED EQUIVALENT.

HEVE A EXPOSED

"". DROBE DOOR LOCK: YALE 511 X US 26D X 6 PIN TUMBLER KEYED DIFFERENTLY IN 3M AND KEYED TO BUILDING KEYING SYSTEM OR APPROVED EQUIVALENT. OW CATCHES (INACTIVE LEAF OF LOCKED PAIRS OF DOORS): IVES 2A92 ALUMINUM, C > EQUIVALENT.

ITERTOP GROMMETS: DOUG MOCKETT & COMPANY, INC. "BG SERIES", BLACK PLASTIC VED EQUIVALENT, UNLESS OTHERWISE INDICATED OR DIRECTED BY ARCHITECT. LESS STEEL TRIM; TYPE 304, NO. 8 FINISH UNLESS OTHERWISE SHOWN; SHAPES AS

SECTION INCLUDES FURNISHING AND INSTALLING BUILDING INSULATION AT EXTERIOR WALL SOFFIT AND ROOF AREAS SHOWN.
 WHITE VINTL REINFORCED POLYESTER FACED GLASS FIBER OR MINERAL FIBER BLAINKET INSULATION. ASTIM C 665. TYPE III, CLASS A FLAME SPREAD; OWENS-CORNING "VRP FACED METAL BUILDING INSULATION" OR EQUIVALENT BY JOINS MAINLILE OR KIMUF. PROVIDE 2" THICK WRP-FACED R-6 FLUS 6" THICK UNFACED R-19 BACK-FILL BEHIND AL WRP-FACED INSULATION, IN EXPOSED TO VIEW PERMATER WALL AREAS, AND ALL ROOF AREAS.
 STOL FACED GLASS FIBER OR MINERAL FIBER BLAINKET INSULATION. ASTIM C 665. TYPE III, CLASS A FLAME SPREAD, JOHNS-ANNULLE "LYMER RESISTANT FSK-25" BLAINKETS OR OWENS-CORNING "FLAME SPREAD 25," OR KIMUF "FSK-25" FOLL FACED BLAINKET OR CERTAPRO THERMAL FSK-25 FACED BATTS." PROVIDE 3-1/2" THICK, R-111 IN PERMETER WALLS A. WRE: FOR SUPPORT OF BLAINKET INSULATION AS INDICATED.
 SINSTALLATION, CEREPAL, UNSULATION UNITS TO SUBSTRATE BY THE RETHOD INDICATED. AND SPEAVES TO PROVIDE FEMANAKET PLACEMENT AND SUPPORT OF UNITS. A DEPLY INSULATION UNITS TO SUBSTRATE BY THE METHOD INDICATED, ON FILL VOIDS WITH INSULATION UNITS TO SUBSTRATE BY THE METHOD INDICATED, ON FILL WIDCATED INFORMATION UNITS TO SUBSTRATE BY THE METHOD INDICATED, ON FILL OF VAPOR BARRIER TAPE. OOI ON OBSTRUCTIVES IN VAPOR PRIAMENTERS A DEPLY INSULATION UNITS TO SUBSTRATE BY THE METHOD INDICATED, ON FILL WITH WASUPR BARRIER TAPE. ON ON ON OBSTRUCTIVES IN WAPOR RETARDERS INMUTARES IN WAPOR RETARDERS. SET VAPOR BARRIER FACED INSULATION UNITS WITH WAPOR BARRIER FACE INVELORE CONCEALMENT THE EXTERIOR OF CONSTRUCTION. REFAR CUTS AND FLASS IN WAPOR RETARDERS IN WAPOR RETARDER WITH SUCHTING THER WAR BENERIES COD ON TREAT AND THE BUILDING. INSTALL UNFACED BACK-FILL INSULATION WITH FACE EXPOSED TO THE INTERPOR OF THE BUILDING. INSTALL ON FACED INSULATION WITH FACE EXPOSED FOR THE

07841 THROUGH-PENETRATION FRESTOP SYSTEMS (FRESTOPPING)
1. PROVIDE RATED SYSTEMS AT PENETRATIONS OF RATED CONSTRUCTION.
2. PERFORMANCE REQUIREMENTS:
A. F-RATINGS: PROVIDE FRESTOP SYSTEMS WITH F-RATINGS EQUALING OR EXCEEDING
A. F-RATINGS: PROVIDE FRESTOP SYSTEMS WITH F-RATINGS EQUALING OR EXCEEDING
B. T-RATINGS: PROVIDE FRESTOP SYSTEMS WITH F-RATINGS EQUALING OR EXCEEDING
B. T-RATINGS: PROVIDE FRESTOP SYSTEMS WITH F-RATINGS EQUALING OR EXCEEDING
B. T-RATINGS: PROVIDE FRESTOP SYSTEMS PROTECT PENETRATING ITEMS WITH FOTENTIAL TO CONTACT ADACENT NATERALS IN OCCUPIABLE FLOOR AREAS INCLUONG, BUT NOT LIMITED, TO THE FOLLOWIRG:
1. PENETRATIONS LOCATED OUTSIDE WALL CAVITIES
2. PENETRATIONS LOCATED IN CONSTRUCTION CONTAINING FIRE-PROTECTION-RATED OPENINGS.
3. PENETRATIONS LOCATED IN CONSTRUCTION CONTAINING FIRE-PROTECTION-RATED OPENINGS.
4. PENETRATIONS LOCATED IN CONSTRUCTION CONTAINING FIRE-PROTECTION-RATED OPENINGS.
3. PENETRATIONS LOCATED NOCOUPABLE FLOOR AREAS INCLUDING, BUT NOT LIMITED, TO THE PRODUCTS WITH ATTER CONSTRUCTION.
4. PENETRATIONS LOCATED NOCOUPABLE FLOOR AREAS INCLUDING, BUT NOT LIMITED PROVIDE PROVIDE PROVIDES OF LESS THAN 25 AND SMOKE-DEVELOPED INDICES OF LESS THAN 250.
4. PENETRATION INSPECTING. AREAST THAN 25 AND SMOKE-DEVELOPED INDICES OF LESS THAN 450.
WHEN TESTED PER ASTME 84.4 AND WITH PRODUCTS WITH FLEXING FRENCE AND WITH THE STREED PER ASTME 840 WITH APODUCTS ERRORMATE WEINE EXPOSED TO THESE HONDONG OF LESS THAN 450.
TESTED PER AND BETARTES FORMED FRONCE RATED SYSTEMS IDENTICAL TO THOSE TESTED PER ASTME 840 WITH PRODUCTS BERRING OF A QUALIFIED TISTING AND WHEN FRESTOP SYSTEMS. UNDER CONDITIONS OF LESS THAN 450.
TESTING AND WITH PRODUCTS BERRENTIES HAVING OFENING. AND WITH THE SUBSTRATES FORMING OFENINGS. AND WITH THE SUBSTRATES FORMING OFENINGS. AND WITH THE SUBSTRATES FORMING OFENINGS. AND WITH THE SUBSTRATES PROVED BASED AND THE PRO

JOINT SEAL

SEALANT TYPE "A" (ONE-PART NON-ACID CURING SILICONE SEALANT): ASTM C 920, TYPE S, ADE NS, CLASS 25, AND USES NT, M, G, A, AND, AS APPLICABLE TO JOINT SUBSTRATES INDICATED, MEDIUM MODULUS WITH A TENSILE STRENGTH BETWEEN 45 PSI AND 75 PSI AT 100% ELONGATION HEN TESTED AFTER 14 DAYS AT 77-DEGREES F (25-DEGREES C.) AND 50% RELATIVE HUMIDITY PER A. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE EITHER GENERAL ELECTRIC ILPRUF 2000" OR DOW CORNING "795 BUILDING CONSTRUCTION SEALANT."
 B. LOCATIONS: ALL EXTERIOR LOCATIONS NOT OTHERWISE NOTED OR SPECIFIED, INCLUDING FERIOR SEALANT JOINTS ON INTERIOR SIDE OF COMPONENTS SUBJECT TO THERMAL MOVEMENT FROM TERIOR HEAT SOURCES.

ARCHITECT FROM MANUFACTURER'S : -- EMULSION SEALANT): MANUFACTUR RYLIC-EMULSION SEALANT COMPLYING VD RECOMMENDED FOR EXPOSED APF INVOLVING JOINT MOVEMENT OF NOT ER'S STANDARD COLORS. ACTURER'S STANDARD, ONE– PART, PLYING WITH ASTM C 834, ID APPLICATIONS ON INTERIOR AND IF NOT MORE THAN ± 7.5%.

TILE AND STONE TILE PRODUCTS: SEE FINISH LEGEND AND SCHEDULE FOR PRODUCT SELECTIONS, COLORS, AND LOCATIONS.
 WATERPROOFING AND CRACK-SUPPRESSION MEMBRANE: MANUFACTURER'S STANDARD PRODUCT THAT COMPLES WITH ANSI A118.10; NOBLE COMPANY (THE); NOBLESEAL TS OR DAL-TILE DAL SEAL 3 PORTLAND CEMENT MORTAR (THICKSET) INSTALLATION MATERIALS: ANSI A108.1A.
 DRY-SET MORTAR (THIN SET FLOORS): BOSTIK "TILE-MATE 710/713" WITH "HYDROMENT MULTI-PURPOSE ACRYLIC ADDITIVE", COMPLYING WITH ANSI A 118.1 AND ANSI A 108.5 INSTALLATION SEPECIFICATIONS. SUBJECT TO COMPLIANCE WITH ANSI A 118.1 AND ANSI A 108.5 INSTALLATION C-CURE, MAPEI OR TEXAS CEMENT PRODUCTS WILL BE ACCEPTABLE AS APPROVED.
 ORGANIC TILE ADHESIVE (THIN SET WALLS): BOSTIK "TOO1 MASTIC", COMPLIANCE WITH REQUIREMENTS, PROVIDE EQUIVALENT PRODUCTS BY C-CURE, MAPEI OR TEXAS CEMENT PRODUCTS WILL BE ACCEPTABLE AS APPROVED.
 CHEMICAL-RESISTANT, WATER-CLEANABLE, TILE-SETTING AND GROUTING EPOXY: ANSI A118.3.
 GROUT: BOSTIK "DRY TILE GROUT" (UNSANDED) AND "CERAMIC TILE GROUT" (SANDED). IN COLOR AS SELECTED BY ARCHITECT, AND COMPLYING WITH ANSI A118.6. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE EQUIVALENT PRODUCTS BY C-CURE, MAPEI OR TEXAS CEMENT PRODUCTS WILL BE ACCEPTABLE AS APPROVED. INSTALLATION SPECIFICATIONS CEMENT PRODUCTS WILL BE ACCEPTABLE AS APPROVED. INSTALLATION SPECIFICATIONS.
 MOLE-PART, MIDGW-RESISTANT SILICONE: ASTM C 920; TYPE S; GRADE NS; CLASS 25; FORMULATED WITH FUNGICIDE, INTENDED FOR IN-SERVICE EXPOSURES OF HIGH HUMIDITY AND EXTREME TEMPERATURES.

N STANDARDS: COMPLY WITH PARTS LLATION OF CERAMIC TILE" THAT APPI TO METHODS INDICATED IN CERAMIC T JIDELINES: TCA'S "HANDBOOK FOR C 'HODS INDICATED IN CERAMIC TILE IN:

PARTS OF ANSI A108 SERIES AT APPLY TO TYPES OF SETTING RAMIC TILE INSTALLATION SCHEDU FOR CERAMIC TILE INSTALLATION TILE INSTALLATION SCHEDULES.

08710 DOOR HARD

PROVIDE COMMERCIAL DOOR HARDWARE FOR OPENINGS SHOWN AND SCHEDULED ON THE DRAWINGS.
 COORDINATE DOOR HARDWARE WITH OTHER WORK, FURNISH SHOP DRAWINGS OF OTHER WORK WHERE REQUIRED DOOR REQUESTED TO COORDINATE INSTALLATION.
 DREPARE DOOR HARDWARE SCHEDULE WIDER THE SUPERVISION OF SUPPLIER, DEFAILING FABRICATION AND SCENEDAT TO DOOR HARDWARE SCHEDULE WITH DOORS, FRAMES, AND DUAGRAMS, CORDENATE THE FINAL DOOR HARDWARE SCHEDULE WITH DOORS, FRAMES, AND DUAGRAMS, SUSTICUTE'S "SECUENCE AND FORMAT IN DOOR HARDWARE.
 DREARE DOOR HARDWARE SCHEDULE WITH DOORS, FRAMES, AND DUAGRAMS, C. PROVIDE COMPLETE DESIGNATIONS OF EVERY THEN REQUIRED DOR EACDOULE.
 DREARED DOOR FUNCTION AND KENNE FOR ALL OPENING.
 DROORDWATE DOOR FUNCTION AND KENNE FOR ALL OPENING SCHEDULE WITH INDICATING COMPLETE DESIGNATIONS OF EVERY THEM REQUIRED FOR EACH DOOR FOR OPENING.
 DROORDWATE DOOR ASSEMBLES: PROVIDE DOOR HARDWARE SCHEDULE WITH NEPA 252.
 SUBULER QUALIFICATIONS. DOOR HARDWARE SUPPLIER WITH WAREHOUSING FACILITES IN ANIMABLE DUAR THE CATRONS. DOOR HARDWARE SUPPLIER WITH WAREHOUSING FACILITES IN ANIMABLE DUAR THE CATRONS. DOOR HARDWARE SUPPLIER WITH WAREHOUSING FACILITES IN ANIMABLE DUARN THE CATRONS. MOLETION AND SPECTING ACCORDING TO ANIMABLE DUARN THE CATRONS. MOLETION AND SPECTING ACCORDING TO ANIMABLE DUARN THE CATRONS. MOLETION AND SPECTING ACCORDING TO NOTE ABOUT DOOR THE CAUSE OF THE WORK TO CONSULT WITH CONTRACTOR, ARCHITECT, AND ANIMABLE DUARN THE THE THE TO LINE AND LOCATION. ACCUMELETED ON SUBSTRATES INVOLVED. SET UNITS LEVEL, PLUMB, AND THE TO LINE AND LOCATION. ADULET AND REINFORCE A INTERIOR NOR FIRE RATED DOOR OPERATION WITH WITH CONTRACTOR, ARCHITECT, AND ANIMABLE DOOR TO PERATING FORCE. ADULST HARDWARE OPERATION AT INTERIOR A INTERIOR NOR FIRE RATED DOOR OPERATION AT INTERIOR A INTERIOR NOR FIRE RATED DOOR OPERATION AT INTERIOR A INTERIOR NOR FIRE RATED DOOR OPERATION AT INTERIOR A INTERIOR NOR FIRE RATED DOOR OPERATION FORCE AND FERE

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PIRE-TEST-RESPONSE CHARACTERISTICS: PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO MONSPECTING AGENCY.
 PINOSE TESTED IN ASSEMBLY INDICATED ACCORDING TO ASTM E 119 BY AN INDEPENDENT TESTING AGENCY.
 STELL FRAMING: CHARACTERISTICS: PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO ASTM E 413 BY A QUALIFIED INDEPENDENT TESTING AGENCY.
 STELL FRAMING: COMPLY WITH ASTING C 754 FOR CONDITIONS INDICATED. METAL COMPLYING WITH ASTM C 645 REQUIREMENTS, ASTM A 652/A 653M, G60 (Z180), HOT-DIP GALVANIZED ZINC COATING.
 GRED SUSPENSION SYSTEM FOR INTERIOR CELINOS: ASTM C 645, DIRECT-HUNG SYSTEM COMPOSED OF MAN BEAMS AND CROSS-FURING WITH ASTM C 645, DIRECT-HUNG SYSTEM SCREED WALLBOARD: ASTM C 35, TYPE AND THICKNEST INDICATED.
 GRED SUSPENSION SYSTEM FOR INTERIOR CELINOS: ASTM C 643, DIRECT-HUNG SYSTEM SCREED OF MANUEADENCER': 1/2 INCH THICK, WITH JOINT TAPE AND COMPOUND RECOMMENDED BY MANUFACTURER
 JOINT TREATMENT MATERIALS COMPLYING WITH ASTM C 475, ASTM C 840, AND SCREED OF MANUFACTURER OF BOTH CYPENAN BOARD AND JOINT TREATMENT MATERIALS
 JOINT TREATMENT MATERIALS COMPLYING WITH ASTM C 475, ASTM C 840, AND DRYNC-TYPE JOINT COMPOUNDS: CHARACTURER OF BOTH CYPSUM BOARD AND JOINT TREATMENT MATERIALS
 JOINT TREATMENT STRAT APPLY TO FRAMING INSTALLATION: MATERIALS AND ASTM C 840 PROVIDES.
 JONNT TREATMENTS: INSTALLATION: CAPAD AND DASTM C 840 PROVIDES.
 JONNT FREEL FOR DENGRICINS THATES: CONTRUCTION IN PERE INDICATED. UNLESS A PROVIDENCE OF FINISH IS REQUIRED FOR FIRE-RESISTIVE-RATED ASSEMBLES AND SOUND-RATED ASSEMBLES.
 JUNCLEL OF FINISH IS REQUIRED FOR FIRE-RESISTIVE-RATED ASSEMBLES AND SOUND-RATED IN CASS MESH MORTAR UNITS. INSTALLATION: CAPAD AREAS, AND WHERE INDICATED, UNLESS A PROVIDENCE I SPEND BOARD SURFACES UNITS FORM SUBSTRATES FOR TILE, AND WHERE INCLASS MESH MORTAR UNITS. RECULING THE FINISH ALLAFER CLASS MESH MORTAR UNITS FORM SUBSTRATES FOR TILE, AND WHERE INDICATED.

ASSEMBL

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ATA Fro OF EAC CS FOR EACH PAINT A

- RNE DRYFALL TOPCC VGERS AND HANGER ATION: SOLVENT CLE MUST BE CLEAN A BASED METAL PRIME 60-XXXX IDHIDE 6-208 S IOR LATEX SEMI-COAT (INTERIOR ER WIRE, AND IN LEAN IN ACCORE AND DRY. 5 224 S 9–510 SM-GLOSS, B10 SERIES. DR EXPOSED CONDUIT, ELECTRICAL BOXES, DR EXPOSED CONDUIT, ELECTRICAL BOXES, NISULATION): NISULATION): ORDANCE WITH SSPC SP1. USE CLEAN TACK ORDANCE WITH SSPC SP1. USE CLEAN TACK
- 12 SERIES SPRA-SAF EN SERIES 30 INASTER PRO UNIGRIP-WB 1280-1200 SH: SPEEDHIDE 6-714 (SG) SPRA-SAF EN SERIES 30 GYPSUM DRYWALL SYSTEMS: CYPSUM DRYWALL SYSTEMS: LATEX-BASED INTERIOR LOW-ODOR WHITE PRIMER. LATEX-BASED INTERIOR PRIMER-SEALER (LM9116) ECO SPEC INTERIOR DATEX PRIMER SEALER 231 SH: PURE PERFORMANCE PRIMER SEALER 231 SH: PURE SEALER SEALER 231 SH: PURE SEALER SE ON COAT OF ONE

- D. TIKENC: SPRA-SAF EN SERIES 30
  D. SHERR: LATE-ABSED INTERIOR LATEX PRIMER SEALER (LM9106)
  B. MODRE: ECO SPEC INTERIOR LATEX PRIMER SEALER (LM9107)
  D. S-W: HARMONY LOW ODOR INTERIOR FLAT SPRIMER SEALER (LM9106)
  D. S-W: HARMONY LOW ODOR INTERIOR FLAT (LM9107)
  D. S-W: HARMONY LOW ODOR INTERIOR FLAT SPRIMER SEALER (LM9116)
  D. S-W: HARMONY LOW ODOR INTERIOR PRIMER-SEALER (LM9116)
  D. S-W: HARMONY LOW ODOR INTERIOR FLAT SPRIMER SEALER 231
  D. S-W: HARMONY LOW ODOR INTERIOR PRIMER-SEALER (LM9116)
  B. LATEX EGSEFILL LOW ODOR INTERIOR PRIMER SEALER 231
  D. S-W: HARMONY LOW ODOR INTERIOR FLAT SPRIMER SEALER 231
  D. S-W: HARMONY LOW ODOR INTERIOR PRIMER SEALER 231
  D. S-W: HARMONY LOW ODOR INTERIOR PRIMER SEALER 231
  D. S-W: HARMONY LOW ODOR INTERIOR PRIMER SEALER 231
  D. S-W: HARMONY LOW ODOR INTERIOR LATEX FRAME SEALER 231
  D. S-W: HARMONY LOW ODOR INTERIOR LATEX FRAME SEALER 231
  D. S-W: HARMONY LOW ODOR INTERIOR LATEX FRAME SEALER 231
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  D. S-W: HARMONY LOW ODOR INTERIOR LATEX FRAME SEALER 231
  D. S-W: HARMONY LOW ODOR INTERIOR LATEX FRAME SEALER 231
  D. S-W: HARMONY LOW ODOR INTERIOR LATEX FRAME SEALER 235
  D. THE WARDER COATS AND FRAME SEALER 235
  D. S-W: HARMONY DEVELS AND TAPLY SEARER 20AY SUBLENTINES
  THE MANDER PERFORMANCE MARUMER 23
- TELY COVER TO PROVIDE AN OPAQUE, SMOOTH SURFACE OF UNIFORM FINISH, COLOR, AND COVERAGE. CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SS, OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE. STROSTATIC SPRAY EQUIPMENT FOR APPLICATION OF PRIME AND FINISH COATS ON . SURFACES OF PROVIDE MASKING AND TEMPORARY ENCLOSURES TO PREVENT . SURFACES OF DUCTS, WHERE VISIBLE THROUGH REGISTERS OR GRILLES, WITH A ECULAR BLACK PAINT. ACK SIDES OF ACCESS PANELS AND REMOVABLE OR HINGED COVERS TO MATCH "ACES. " TEXTURE. LEAVE NO EVIDENCE OF ROLLING SUCH AS LAPS, IRREGULARITY IN MARKS, OR OTHER SURFACE IMPERFECTIONS. " TEXTURE. LEAVE NO TOPS, BOTTOMS, AND SIDE EDGES SAME AS EXTERIOR FACES.
- ION 03300 CAST-IN-PLACE CONCRETE FOR CONCRETE MATERIALS AND CONCRETE TO RECEIVE STAIN FINISHING MUST HAVE A UNFORM HARD TROWELED
  FINISH THAT IS WATER CURED WITH A MOISTURE RETAINING COVER WITHOUT THE STRIPPER: READY TO USE, WATER-RINSABLE, BIODEGRADABLE COATING HALLY FORMULATED TO REMOVE CURING MATERIALS AND COATINGS FROM UBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE L. M. SCOFIELD BOSTIK "DRY TILE GROUT" (UNSANDED), IN COLOR AS SELECTED BY ARCHITECT, WITH ANSI A118.6. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ODUCTS BY C-CURE, MAPEL OR TEXAS CEMENT PRODUCTS WILL BE APPROVED. INSTALL GROUT IN ACCORDANCE WITH ANSI A108.10 INSTALLATION
- EMICAL CONCRETE STAIN: WATER-BASED ACID SOLUT EMICAL CONCRETE STAIN: WATER-BASED ACID SOLUT VIED TO ETCH, PENETRATE AND REACT WITH CONCRETE PO V-RESISTANT COLOR DEPOSITS IN THE CONCRETE PO 20UREMENTS, PROVIDE L. M. SCOFIELD "LITHOCHROME 2)-9900, IN THREE COLORS AS SELECTED BY ARCHITE TION OF MINERAL SALTS TE TO PRODUCE INSOLUBLE, TRRES. SUBJECT TO COMPLIANCE E CHEMSTAIN", HOUSTON, TX, (TEL)
- VGE.
  SEALER: CLEAR, ODORLESS, WATER-BASED, 0.0 VOC, PENETRATING "SILCONATE"
  ATER-REPELLENT SEALER/HARDENER TREATMENT FOR CONCRETE, FORMULATED TO PROVIDE
  ATER-REPELLENT SEALER/HARDENER TREATMENT FOR CONCRETE, FORMULATED TO PROVIDE
  TERMICAL HARDENED AND DENSIFIED SUBFACE THAT WILL NOT YELLOW, DISCOLOR, CHIP, PEEL,
  R SHOW UNSIGHTLY WEAR PATTERNS WITH USE. SUBJECT TO COMPLIANCE WITH REQUIREMENTS,
  G. COLOR WAX: WATER-BASED SOLUTION OF MINERAL SALTS FORMULATED TO ETCH,
  E. M. SCOFIELD "CEMENTONE" CLEAR SEALER, HOUSTON, TX, (TEL) 800–800–9900, IN
  R. SOCHELD WITH CONCRETE TO PRODUCE INSOLUBLE, ABRASION-RESISTANT
  COLOR WAX: WATER-BASED SOLUTION OF WARER SALER, HOUSTON, TX, (TEL) 800–800–9900, IN
  HREE COLORS AS SELECTED BY ARCHITECT.
  CONFIRM THAT SUBSTRATE IS CLEAN, DRY, AND FREE OF SUBSTANCES THAT MIGHT
  TERFERE WITH PENETRATION/ADHESION OF WATER REPELLENTS. TEST FOR MOISTURE CONTENT
  ACCORDANCE WITH REPELLENT AND CHEMICAL STAIN MANUFACTURER'S INSTRUCTION, TO
  SUBFICIENTLY DRY.
  S. SELERT ADJOINING WORK, INCLUDING DRYWALL, PAINT, CABINETS, BASE, ALUMINUM FRAMES,
  ODD DOORS, AND SIMILAR WORK, FROM SPILLAGE OR BLOWOVER OF STAINS AND SEALERS.
  A. CLEANING: USE CHEMICAL STRIPPER TO REMOVE EXISTING COATINGS AND CONTAMINATION.
  S. CLEANING: USE CHEMICAL STRIPPER TO REMOVE EXISTING COATINGS AND CONTAMINATION.
  NSE THOROUGY, AND FR Â?LEAN, DRY ??? D ?? FHLY BY MOPPING, CHANGING MOP WATER
  REQUENTLY, AND ALLOW TO DRY. RESTRICT TRAFFIC OVER CLEANED SURFACES. RESTORE
  SONTAMINATED SURFACES TO NEW CONDITION OR REPLACE CONTAMINATED ASSEMBLY, AT NO
  DONTAMINATED SURFACES TO NEW CONDITION.
  SECONCET THE WORK TO NEW CONDITION.
  SEALER APPLICATION: APPLY STAIN, WAX, AND SEALER
  SONTAMINATED STAIN, WAX AND SEALER APPLICATION: APPLY STAIN, WAX, AND SEALER
- Y STAIN, WAX, AND SEALER. ITH MATERIAL MANUFACTURER'S ALS AND PROCEDURES, TO
- ER COMPLETED OMPLETED EPT

- THICK STEEL SHEET, FORMED INTO CHANNEL SHAPE AT VERTICAL EDGES TA ANGLES AT TOP AND BOTTOM EDGES. FABRICATE TO PREVENT NING OR CLOSING, AND TO SWING 180 DEGREES. S: 0.0598 INCH (1.50 MM) MINIMUM. BRACE OR REINFORCE INNER FACE OF DOORS MORE THAN 15 INCHES (3) PED LOUVERED IN DOOR FACE.
- PROVIDE NUMBER TACE AND ATTACH TO DOOR WITH AT LEAST TWO ASTENERS THAT ARE COMPLETELY CONCEALED AND TAMPER RESISTANT D. THINGES FOR EACH DOOR MORE THAN 42 INCHES (1067 MM) HIGH OR LESS.
- WE AL LEAST 3 THINGLE FOR EACH DOOR 42 INCHES (1067 MM) HIGH OK LESS.
   HINGES FOR EACH DOOR 42 INCHES (1067 MM) HIGH OK LESS.
   SORIES:
   SORIES:
   TAGS: PROVIDE NUMBER TAGS ON ALL LOCKERS.
   R SIZES AND ARRANGEMENTS
   R SIZES AND ARRANGEMENTS
   STANDARD STEEL LOCKERS, DOUBLE TIER; EACH LOCKER
   DEEP BY 36" HIGH, WITH FLUSH DOOR WITH LATCH ARRANGED TO RECEIVE PADL
- DOORS
- SECTION INCLUDES A. LIGHT TO MEDIUM DUTY TRAFFIC DOORS. B. LIGHT DUTY PERSONNEL DOORS. C. HARDWARE AND ACCESSORIES.
- RELATED SECT
- SUBMITTALS
- ₿,⊳

- DEL

- TRAFFIC DOORS

- C. BOLON STICK

- HES (229 MM) WIDE BY 14 II WIDE BY \_\_\_\_\_\_ HIGH. INCH DIAMETER. LACK RUBBER MOLDING. S PLASTIC FRAMING.
- 101, 102) TE (103)

- PLASTIC FACING ON BOTH SIDES; TOTAL DO SELECTED FROM MANUFACTUR

NOTE: THE RESPONSIBILITY SCHEDULE ON SHEET G002 SUPERSEDES OTHER DRAWINGS IN THE PLAN SET WHERE A CONFLICT IN SCOPE OCCURS.

- 14 INCHES (356 MM) WIDE BY 14 INCHES (356 MM) WIDE BY 15 \_\_\_\_\_ WIDE BY \_\_\_\_\_ HIGH. 15 \_\_\_\_\_ INCH DIAMETER. 16 JUNG: BLACK RUBBER MOLDING. 17 JUNES: ABS PLASTIC FRAMING.
- ∠) (103)

- (110) DUBLE GLAZED ACRYLIC. DING COLOR: (101) (102) HITE (103)

<ul> <li>9. COLOR: BROWN. (109)</li> <li>8. GLZING: CLEAR ACRYLIC.</li> <li>9. GLZING: TEANSLUCENT ACRYLIC.</li> <li>10. GLAZING: TEANSLUCENT ACRYLIC.</li> <li>11. LAMINATE FINIST: AS SELECTED FROM MANUFACTURER'S STANDARD SELECTION.</li> <li>12. PROVIDE SPRING BUMPERS AND JAMB GUARDS AS SPECIFIED IN ACCESSORIES BELOW.</li> <li>8. MEDIUM TO HEAVY DUTY TRAFFIC DOORS: HIGH STRENGTH POLYMER CELL CORE, 0.125 INCH (19 MM); (MODEL P-11 PLUS)</li> <li>1. WINDOW SIZE: 14 INCHES (356 MM) WIDE BY 16 INCHES (406 MM) HIGH.</li> <li>3. WINDOW SIZE: 14 INCHES (356 MM) WIDE BY 16 INCHES (406 MM) HIGH.</li> <li>4. WINDOW SIZE: INCH DIAMETER.</li> <li>4. WINDOW SIZE: INCH DIAMETER.</li> <li>4. WINDOW FRAME: SABS PLASTIC FRAMING.</li> <li>6. COLOR: BEGEL (101)</li> <li>6. COLOR: BLACK (108)</li> <li>9. COLOR: BLACK (108)</li> <li>9. COLOR: BLACK (108)</li> <li>9. COLOR: BLACK (109)</li> <li>6. COLOR: BLACK (100)</li> <li>6. GLAZING: CLEAR DOUBLE GLAZED ACRYLIC.</li> <li>7. THERMOPLASTIC FACING COLOR:</li> <li>6. GLAZING: CLEAR DOUBLE GLAZED ACRYLIC.</li> <li>7. THERMOPLASTIC FACING COLOR:</li> <li>6. COLOR: BLEC (101)</li> <li>6. COLOR: SAND. (102)</li> <li>6. COLOR: SAND. (102)</li> <li>7. COLOR: BLEC (101)</li> <li>6. COLOR: BLACK (108)</li> <li>9. COLOR: GRAY. (110)</li> <li>10. COLOR: GRAY. (110)</li> <li>11. COLOR: GRAY. (110)</li> <li>12. COLOR: BLACK (108)</li> <li>13. COLOR: GRAY. (110)</li> <li>14. COLOR: BLACK (108)</li> <li>15. COLOR: GRAY. (110)</li> <li>15. COLOR: GRAY. (110)</li> <li>16. COLOR: BLACK (108)</li> <li>17. THERMOPLASTIC FACING COLOR:</li> <li>18. COLOR: GRAY. (110)</li> <li>19. COLOR: GLAZED ACRYLIC.</li> <li>11. EXAMINER GLAZED ACRYLIC.</li> <li>11. THERMOPLASTIC FACING COLOR:</li> <li>11. COLOR: GLAZED ACRYLIC.</li> <li>12. COLOR: BLACK (102)</li> <li>23. COLOR: GLACED COLOR:</li> <li>24. COLOR: GLAZED ACRYLIC.</li> <li>25. COLOR: GLAZED ACRYLIC.</li> <li>26. COLOR: GLAZED ACRYLIC.</li> <li>27. THERMOPLASTIC FACING COLOR:</li> <li>28. COLOR: GLAZED ACRYLIC.</li> <li>29. COLOR: GLAZED ACRYLIC.</li> <th><ul> <li>A. MEDIUM TO HEAVY DUTY TRAFFIC DOORS: 3/4 INCH (19 MM) EXTERIOR GRADE SOLD WOOD CORE: 1 INCH (25 MM) TOTAL THICKNESS.</li> <li>1. FACING: REINFORCING METAL PLATES. (MODEL SCP-5) <ul> <li>a. TOP PARELS: 0.032 INCH (0.81 MM) TEMPERED ALUMINUM ALLOY, SATIN ANODIZED FINISH, BOTH SIDES.</li> <li>b. TOP PARELS: 0.032 INCH (0.81 MM) TEMPERED ALUMINUM ALLOY, SATIN ANODIZED FINISH, BOTH SIDES.</li> <li>c. CENTER PLATES: 30-5/8 INCHES (838 MM) HIGH, 18 GAUGE (1.27 MM) STEAL, STAINLESS STEEL FRONT, GALVANIZED STEEL BACK.</li> <li>d. CENTER PLATES: 30-5/8 INCHES (778 MM) HIGH, 18 GAUGE (1.27 MM) STAINLESS STELL, BOTH SIDES.</li> <li>e. BASE PLATES: 17-3/8 INCHES (778 MM) HIGH, 14 GAUGE (1.27 MM) STAINLESS STELL, BOTH SIDES.</li> <li>e. BASE PLATES: 17-3/8 INCHES (778 MM) HIGH, 14 GAUGE (1.90 MM) GRADE D STRUCTURAL QUALITY MILL GALVANIZED STEEL, BOTH SIDES.</li> <li>d. TOP PANELS: 0.032 INCH (0.81 MM) TEMPERED ALUMINUM ALLOY, SATIN ANODIZED FINISH, BOTH SIDES.</li> <li>e. BASE PLATES: 48 INCHES (1219 MM) TEMPERED ALUMINUM ALLOY, SATIN ANODIZED FINISH BOTH SIDES.</li> <li>c. BASE PLATES: 48 INCHES (1219 MM) HIGH, 18 GAUGE (1.27 MM) STAINLESS STEEL, BOTH SIDES.</li> <li>3. WINDOW SIZE: 9 INCHES (229 MM) WIDE BY 14 INCHES (356 MM) HIGH.</li> <li>4. WINDOW SIZE: 9 INCHES (229 MM) WIDE BY 14 INCHES (356 MM) HIGH.</li> <li>5. WINDOW SIZE: 9 INCHES (229 MM) WIDE BY 14 INCHES (356 MM) HIGH.</li> <li>6. WINDOW SIZE: MOLDING: BLACK RUBBER MOLDING.</li> <li>7. WINDOW SIZE: MANCHES (1219 MM) HIGH, 18 GAUGE (1.27 MM) STAINLESS STEEL, 9. OCLOR: BLACK (108)</li> <li>6. COLOR: RELE, (101) 9. COLOR: RELE, (101) 9. COLOR: RELE, (102) 9. COLOR: RELE, (103) 9. COLOR: RELE, (106)</li> <li>6. COLOR: BLACK, (108)</li> </ul> </li> </ul></th><th><ul> <li>A. MAINTAIN ENVIRONMENTAL CONDITIONS (TEMPERATURE, HUMIDITY, AND VENTILATION) WITHIN LIMITS RECOMMENDED BY MANUFACTURER FOR OPTIMUM RESULTS. DO NOT INSTALL PRODUCTS UNDER ENVIRONMENTAL CONDITIONS OUTSIDE MANUFACTURER'S ABSOLUTE LIMITS.</li> <li>1.6 WARRANTY</li> <li>A. PROVIDE MANUFACTURER'S STANDARD TWO-YEAR WARRANTY THAT PRODUCTS ARE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP AND GUARANTEEING TO REPLACE (EXCLUSIVE OF FREIGHT AND LABOR) PARTS PROVEN DEFECTIVE WITHIN TWO YEARS AFTER DATE OF SHIPMENT TO PURCHASER.</li> <li>PART 2 PRODUCTS</li> <li>A. ACCEPTABLE MANUFACTURER: ELIASON CORPORATION: P.O. BOX 2128, KALAMAZOO, MI 49003. ASD. TE1: TEL: (800) 828–3655. FAX: (800)828–3577. EMAIL: <u>DCORS@ELIASONCORP.COM</u> WEBSITE: <u>WINWELIASONCORP.COM</u>.</li> <li>B. SUBSTITUTIONS: NOT PERMITTED. C. REQUESTS FOR SUBSTITUTIONS WILL BE CONSIDERED IN ACCORDANCE WITH PROVISIONS OF SECTION 01600.</li> <li>2.2 TRAFFIC DOORS</li> </ul></th><th><ol> <li>1.2 RELATED SECTIONS</li> <li>A. SECTION 05500 - METAL FABRICATIONS: STEEL [CHANNEL] [ANGLE] OPENING FRAME.</li> <li>B. SECTION 06114 - WOOD BLOCKING AND CURBING: ROUGH WOOD FRAMING FOR DOOR OPENING.</li> <li>I.3 SUBMIT UNDER PROVISIONS OF SECTION 01300.</li> <li>B. PRODUCT DATA: MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING:</li> <li>I. PREPARATION INSTRUCTIONS AND RECOMMENDATIONS.</li> <li>INSTALLATION METHODS.</li> <li>SINSTALLATION METHODS.</li> <li>SELECTION SAMPLES: FOR EACH FINISH PRODUCT SPECIFIED, TWO COMPLETE SETS OF COLOR HEAD, UNAMPLES: FOR EACH FINISH PRODUCT SPECIFIED, TWO COMPLETE SETS OF COLOR OFHERS (150 MA) SQUARE; REPRESENTING ACTURER'S FULL RAGE OF AVAILABLE COLORS AND PATTERNS.</li> <li>VERIFICATION SAMPLES: FOR EACH FINISH PRODUCT SPECIFIED, TWO SAMPLES, MINIMUM SIZE 6 INCLUS (150 MA) SQUARE; REPRESENTING ACTUAL PRODUCT, COLOR, AND PATTERNS.</li> <li>VERIFICATION SAMPLES: FOR EACH FINISH PRODUCT SPECIFIED, TWO SAMPLES, MINIMUM SIZE 6 INCLUS (150 MA) SQUARE; REPRESENTING ACTUAL PRODUCT, COLOR, AND PATTERNS.</li> <li>MANUFACTURER'S WARRANTIES.</li> <li>STORE PRODUCTS IN MANUFACTURER'S UNOPENED PACKAGING UNTIL READY FOR INSTALLATION. DO NOT LAY FLAT.</li> <li>PRODUCT CONDITIONS</li> </ol></th><th><ul> <li>10605 METAL LOCKERS</li> <li>1. PRONDE FLULY-RECESSED STANDARD STEEL LOCKERS PRODUCED BY LYON METAL PRONCES, AUEE TX, (TEL) 273-869-7326. SUBJECT TO COMPUNCE WITH REQUIREMENTS. SOUNALED PROVED.</li> <li>2. LOCKER TYPE PROVIDE STANDARD DUTY STEEL LOCKERS IN THE SIZES AND ARRANCESIZINTS SOURCE STANDARD DUTY STEEL LOCKERS IN THE SIZES AND ARRANCESIZINTS SOURCE STANDARD DUTY STEEL LOCKERS IN THE SIZES AND ARRANCESIZINTS SOURCE STANDARD DUTY STEEL LOCKERS IN THE SIZES AND ARRANCESIZINTS SOURCE PROVIDE STANDARD DUTY STEEL LOCKERS IN THE SIZES AND ARRANCESIZINTS SOURCE PROVIDE STANDARD DUTY STEEL LOCKERS IN THE SIZES AND ARRANCESIZINTS SOURCE PROVIDE STANDARD DUTY STEEL LOCKERS FROM MINIUM OS39-INCH- (150-MM-) THCK STEEL SIGET I MATERIA SHEET THCKNESS. D.02330 NCH (160 GF NONRECESSED LOCKERS FROM MINIUM OS39-INCH- (150-MM-) THCK STEEL SIGET I MATERIA SHEET THCKNESS. AT DO'A NUM CONTINUOUS INTEGRAL DOOR STRUE OR C DOORS. 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<ul> <li>A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.</li> <li>A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.</li> <li>B. ANCHOR ASSEMBLY TO WALL CONSTRUCTION AND BUILDING FRAMING WITHOUT DISTORTION OR STRESS.</li> <li>C. FIT AND ALIGN DOOR ASSEMBLY INCLUDING HARDWARE.</li> <li>D. MINIMUM JANB CONSTRUCTION OF DOUBLE STUDDED 2 BY 4 WOOD CONSTRUCTION OR EQUIVALENT.</li> <li>F. STEEL CHANNEL JAMBS ARE REQUIRED FOR HEAV DUTY TRAFFIC DOORS.</li> <li>G. ADUST DOOR ASSEMBLY TO SMOOTH OPERATION AND IN FULL CONTACT WITH WEATHERSTRIPPING.</li> <li>3.4 CLEANING</li> <li>A. CLEAN DOORS, FRAMES [AND GLASS].</li> <li>B. REMOVE TEMPORARY LABELS AND VISIBLE MARKINGS.</li> <li>3.5 PROTECTION</li> <li>A. PROTECT INSTALLED PRODUCTS UNTIL COMPLETION OF PROJECT.</li> <li>B. TOUCH-UP, REPAIR OR REPLACE DAMAGED PRODUCTS BEFORE SUBSTANTIAL COMPLETION.</li> <li>END OF SECTION</li> </ul>	<ul> <li>F. PUSH PLATES: STAINLESS STEEL: 5-3/4 INCHES (146 MM) BY 11-3/4 INCHES (298 MM).</li> <li>G. PUSH PLATES: ABS PLASTIC: 5-3/4 INCHES (146 MM) BY 11-3/4 INCHES (298 MM).</li> <li>I. COLOR: BEIGE. (101)</li> <li>COLOR: SAND. (102)</li> <li>COLOR: SAND. (102)</li> <li>COLOR: BEACK. (108)</li> <li>COLOR: BEACK. (108)</li> <li>COLOR: BEACK. (109)</li> <li>BECOURD: GRAY. (110)</li> <li>H. PADLOCK BRACKET: STAILLESS STEEL.</li> <li>COLOR: BEACK. TOGGLE SWITCH / KEYED ENTRY.</li> <li>DEADBOLT LOCK: TOGGLE SWITCH / KEYED ENTRY.</li> <li>DEADBOLT LOC</li></ul>	<ul> <li>D. BASE PLATES: BASE PLATES TO INSTALL ON BASE OF DOOR SURFACE; IN PAIRS FOR FRONT AND BACK.</li> <li>1. MATERIAL: STAINLESS STEEL, BOTH SIDES.</li> <li>2. MATERIAL: GALVANIZED STEEL, BOTH SIDES.</li> <li>3. MATERIAL: O.25 INCH (6 MM) THICK THERMOPLASTIC, BOTH SIDES.</li> <li>5. MATERIAL: O.25 INCH (2.28 MM) THICK THERMOPLASTIC, BOTH SIDES.</li> <li>6. COLOR: BEIGE. (101)</li> <li>7. COLOR: BEIGE. (103)</li> <li>8. COLOR: OFF WHITE. (103)</li> <li>9. COLOR: BEIGE. (104)</li> <li>10. COLOR: BLUE. (106)</li> <li>11. COLOR: BLUE. (106)</li> <li>13. COLOR: BLUE. (106)</li> <li>14. HEIGHT: 12 INCHES (305 MM).</li> <li>15. HEIGHT: 30 INCHES (762 MM).</li> <li>16. HEIGHT: 30 INCHES (762 MM).</li> <li>18. HEIGHT: 48 INCHES (1219 MM).</li> <li>19. HEIGHT: 48 INCHES (710 MM) BY 1-1/2 INCHES (38 MM) EXTRUDED 6061-T6 ALUMINUM; SET</li> <li>IS TWO BUMPER STRIPS: 3/4 INCH (19 MM) BY 1-1/2 INCHES (38 MM) EXTRUDED 6061-T6 ALUMINUM; SET</li> <li>IS TWO BUMPERS.</li> <li>2. MOUNTING: SHIP LOOSE, TO BE MOUNTED AT INSTALLATION.</li> <li>2. MOUNTING: SHIP MOUNTED,</li></ul>	<ul> <li>2.3 HARDWARE AND ACCESSORIES</li> <li>A. HINGES: DOUBLE ACTION EASY SWING(R) PROPRIETARY HINGES.</li> <li>A. HINGES: USE IN HIGH IMPACT TRAFFIC AREAS TO PROTECT THE DOOR JAMB AND BOTTOM PIN.</li> <li>2. FINISH: STAINLESS STEEL.</li> <li>3. SIZE: 5 INCHES (127 MM) WIDE BY 18 INCHES (457 MM) HIGH.</li> <li>4. SIZE: 3 INCHES (76 MM) WIDE BY 9 INCHES (229 MM) HIGH.</li> <li>4. SIZE: 3 INCHES (76 MM) WIDE BY 9 INCHES (229 MM) HIGH.</li> <li>C. SPRING BUMPERS: EASY SPRING BUMPERS, 0.25 INCH (6 MM) THICK HIGH IMPACT RESISTANT THERMOPLASTIC.</li> <li>1. DIMENSIONS: 18 INCHES (457 MM) HIGH.</li> <li>3. DIMENSIONS: 24 INCHES (457 MM) HIGH.</li> <li>4. DIMENSIONS: 42 INCHES (1067 MM) HIGH.</li> <li>5. DIMENSIONS: 42 INCHES (1010 MM) HIGH.</li> <li>6. COLOR: BLACK.</li> <li>7. COLOR: BLACK.</li> <li>8. COLOR: BROWN.</li> </ul>	<ol> <li>C. PERCONNEL DOORS: 3/4 WOCH (19 MM) EXTERIOR GRADE SOLID WOOD CORE: 1 INCH (25 MM)</li> <li>F. FACING: FULL LENGTH FANALES: ITS GAUGE (1.27 MM) STAINLESS STEEL POINT SIDES; STAINLESS STEEL POINT SIDE; STAINLESS STEEL POINT POINT POINT SIDE; STAINLESS STEEL POINT SIDE; SIDE POINT SIDE; SIDE POINT SIDE; SIDE POINT SIDE; SIDE POINT SIDE; SI</li></ol>

SHEET NO.: SPO2	Reviewed By: Scale: AS NOTED Date: 08.31.2011 Filename: SHEET TITLE: SPECIFICATIONS	No.DescriptionDateProject No.:0712Drawn By:	CLIENT: CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975 REVISIONS:	NEW TENANT IMPROVEMENT FOR: <b>Charming CHARLE</b> <b>LEGACY PLACE</b> 11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410	A PROJECT FOR:	C O R T L A N D M O R G A N A R C H I T E C T 711 N. FIELDER RD. ARLINGTON, TX 76012 PH: (817) 635–5696 FAX: (817) 635–5699 SEAL:
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![](_page_28_Figure_0.jpeg)

# PLATFORM MOUNTED WATER HEATER HOOKUP NOT TO SCALE

GENERAL PLUMBING NOTES

PRIOR TO BID. CONTRACTOR SHALL VISIT THE JOB SITE AND FIELD VERIFY THE EXISTING CONDITIONS. THE MECHANICAL CONTRACTOR SHALL BE EXISTING STUB-INS, TAPS, ETC. FOR PLUMBING AND MECHANICAL SYSTEMS FOR THE TENANT SPACE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY TO THE TENANT

ALL PIPING SYSTEMS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH STATE, LOCAL CODE AND LANDLORD'S REQUIREMENTS.

PROVIDE SHUTOFF VALVE(S) FOR ALL FIXTURES AND EQUIPMENT.

ALL WASTE AND VENT PIPING SHALL BE CAST IRON WITH NO HUB STYLE CONNECTORS.

ALL UNDERGROUND SANITARY PIPES SHALL BE SCHEDULE 40 PVC. ALL ABOVE FLOOR SANITARY AND VENT PIPING SHALL BE SERVICE VEIGHT NO-HUB CAST IRON.

SLOPE ALL SANITARY PIPING 4" AND LARGER AT 1/8" PER FOOT. SLOPE ALL SMALLER SANITARY PIPING AT 1/4" PER FOOT.

ALL PLUMBING PIPING DROPS TO PLUMBING FIXTURES SHALL BE INSTALLED IN WALL SPACE EXCEPT WHERE NOTED.

SUSPEND ALL HORIZONTAL WATER AND VENT PIPING AS HIGH AS POSSIBLE ABOVE CEILING.

SAW CUT ALL SLAB PENETRATIONS. SEAL AROUND ALL WALL, FLOOR AND CEILING PIPE PENETRATIONS WITH APPROVED SEALANT MATERIAL AND ENSURE PENETRATIONS REMAIN FIRE RESISTANT AND WATERTIGHT. WRITTEN NOTIFICATION MUST BE SUBMITTED TO THE LANDLORD'S REPRESENTATIVE PRIOR TO ANY SAW CUTTING.

ALL EQUIPMENT, INSTALLATIONS AND MATERIALS SHALL COMPLY WITH APPLICABLE LANDLORD CRITERIA, LOCAL AND STATE CODES.

PROVIDE AND INSTALL WATER HAMMER ARRESTORS PER PDI REQUIREMENTS.

LABEL ALL BELOW SLAB PIPING.

GENERAL DEMO PLUMBING NOTES

AT ALL LOCATIONS WHERE PLUMBING FIXTURES ARE TO BE REMOVED, PLUMBING SUBCONTRACTOR SHALL REMOVE PIPING (WATER, WASTE, VENT) TO A POINT BEYOND FINISH SURFACE AND CAP OFF. WHERE PIPING SERVING EXISTING RESPONSIBLE FOR FIELD VERIFYING THE FIXTURE TO BE REMOVED ALSO SERVES FIXTURES THAT ARE TO REMAIN, PIPING SHALL BE REROUTED AND RECONNECTED AS REQUIRED TO ACCOMMODATE REMODELED AREAS AS REQUIRED.

WHERE EXISTING WALLS ARE REMOVED AND PIPING IS DISCREPANCIES FOUND BETWEEN PLANS FOUND THAT MUST REMAIN, PLUMBING SUBCONTRACTOR AND FIELD CONDITIONS IN ORDER TO SHALL REROUTE AND RECONNECT PIPING AS REQUIRED, PREVENT UNKNOWN ADDITIONAL COSTS E.G. DOMESTIC WATER PIPING, GAS, SOIL, WASTE, VENT, AND ROOF LEADER PIPING.

> ALL PLUMBING PIPING THAT IS FOUND TO NO LONGER SERVE ANY PURPOSE SHALL BE REMOVED AND CAPPED OFF BEYOND FINISH SURFACE.

WHEREVER POSSIBLE, NEW PIPING AND RELOCATED PIPING SHALL BE RUN CONCEALED. COORDINATE LOCATION OF ALL PIPING WITH HVAC AND ELECTRIC SUBCONTRACTOR. COORDINATE CUTTING AND PATCHING WITH GENERAL CONTRACTOR.

WHEREVER FIXTURES REQUIRING PLUMBING CONNECTIONS ARE FURNISHED BY OTHERS, OWNER, OR ARE RELOCATED, PLUMBING SUBCONTRACTOR SHALL FURNISH AND INSTALL CARRIERS. "P" TRAP AND STOPS AND MAKE FINAL PLUMBING CONNECTIONS AT NEW LOCATIONS.

ALL CUTTING AND PATCHING FOR REMOVAL, REMODELING OR INSTALLATION OF NEW PLUMBING WORK SHALL BE DONE BY PLUMBING CONTRACTOR.

REFER TO ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION WORK. COORDINATE WITH SAME.

PLUMBING LEGEND			
SYMBOL	DESCRIPTION		
S	SANITARY/WASTE PIPING, S, W		
V	VENT, V		
cw	COLD WATER PIPING, CW		
— нw —	HOT WATER PIPING, HW		
	GATE VALVE		
	CHECK VALVE		
<u>co</u> •	CLEANOUT		
•	FLOOR DRAIN, F.D.		

### FIXTURE CONNECTION SCHEDULE

P#	DESCRIPTION	WASTE	HOT WATER	COLD WATER
WC	FLOOR SET TANK TYPE WATER CLOSET (A.D.A.)	4"	N.A.	1/2"
LAV	WALL HUNG LAVATORY (A.D.A.)	1-1/2"	1/2"	1/2"
MS	MOP SINK	3"	1/2"	1/2"
EWC	ELECTRIC WATER COOLER (A.D.A.)	1-1/2"	N.A.	1/2"

REFER TO ARCHITECTURAL ELEVATIONS PLAN FOR MOUNTING HEIGHT OF ALL FIXTURES

# PLUMBING SPECIFICATIONS **GENERAL**

THE GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND INSTRUCTIONS TO BIDDERS SHALL APPLY TO AND BE PART OF THIS SPECIFICATION.

CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, RULES AND REGULATIONS

CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, CERTIFICATES OF INSPECTION AND APPROVALS REQUIRED.

SCOPE OF WORK

WATER PIPING SYSTEMS SOIL, WASTE, AND VENT PIPING SYSTEMS

PLUMBING FIXTURES

PLUMBING EQUIPMENT

PAINTING AND ELECTRICAL WORK IS NOT PART OF THIS CONTRACT.

GENERAL STANDARDS

THE APPLICABLE PROVISIONS OF THE FOLLOWING STANDARDS SHALL GOVERN:

AMERICAN SOCIETY FOR TEST MATERIALS (ASTM): AMERICAN STANDARDS ASSOCIATION (ASA); UNDERWRITERS LABORATORIES (UL); NATIONAL FIRE PROTECTION ASSOCIATION STATE BUILDING CODE.

THE INSTALLATION OF ALL PLUMBING WORK SHALL CONFORM TO THE APPLICABLE LOCAL PLUMBING CODES AND STATUES.

EXCAVATION AND BACKFILL

DO ALL EXCAVATION AND BACKFILLING. LAY SEWER AND UNDERGROUND PIPING LINES ON VALVES SHALL HAVE A RATING OF AT LEAST 6" COMPACTED SAND. BACKFILL UNDER BUILDING AND ALL DRIVES, ROADS AND WALKS WITH BANK-RUN GRAVEL.

WATER PIPING SYSTEMS

INTERIOR BACKFLOW PREVENTERS WITH FUNNELS AND DRAINS DOMESTIC COLD-WATER PIPING DOMESTIC HOT-WATER PIPING

TRAP PRIMERS FOR FLOOR DRAINS

INTERIOR WATER PIPING: TUBE SIZE 2" AND SMALLER: COPPER TUBE. WALL THICKNESS: TYPE L, HARD-DRAWN TEMPER.

ITTINGS: WROUGHT-COPPER, SOLDER-JOINTS.

TUBE SIZE 2-1/2" AND LARGER: COPPER WALL THICKNESS: TYPE L, HARD-DRAWN TEMPER.

FITTINGS: WROUGHT-COPPER, SOLDER-JOINTS.

THE DOMESTIC WATER PIPING SYSTEM SHALL BE FLUSHED WITH CLEAN POTABLE WATER UNTIL CONTAMINATED WATER DOES NOT APPEAR AT THE OUTLET AND SHALL BE FILLED WITH A SOLUTION CONTAINING FIFTY (50) PARTS PER MILLION OF CHLORINE AND ALLOWED TO STAND AS REQUIRED BY CODE BEFORE FLUSHING. THE SYSTEM SHALL BE FLUSHED COMPLETELY WITH CLEAR WATER UNTIL ALL RESIDUAL CHLORINE CONTENT IS REMOVED. CHLORINATION SHALL BE PERFORMED AFTER ALL PIPING AND FINAL CONNECTIONS AND PRESSURE TESTING HAS BEEN COMPLETED.

SOIL. WASTE AND VENT PIPING SYSTEM

FURNISH AND INSTALL A COMPLETE SOIL, WASTE AND VENT SYSTEM IN THE BUILDING AND ON THE SITE AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN. NO-HUB CAST IRON MAY BE USED ABOVE FLOOR SLAB.

ABOVE GROUND SOIL, WASTE AND VENT PIPING WITHIN BUILDINGS INCLUDING SOIL STACKS, VENT STACKS, HORIZONTAL BRANCHES, TRAPS, AND CONNECTIONS TO FIXTURES AND DRAINS.

UNDERGROUND BUILDING DRAIN PIPING INCLUDING MAINS, BRANCHES, TRAPS, CONNECTIONS TO FIXTURES AND DRAINS AND CONNECTIONS TO STACKS, TERMINATING AT CONNECTION TO EXISTING SANITARY SEWER.

FLOOR DRAINS

INTERIOR PIPING:

CAST IRON SOIL PIPING AND FITTINGS SERVICE WEIGHT ASTM A-74 WITH ASTM C-564 GASKETED JOINTS.

WASTE AND VENT PIPING 2-1/2" AND UNDER - TYPE "M" COPPER ASTM B88.62.

SOIL, WASTE AND VENT PIPING 3" AND OVER 547, CLASS 1 IN SIZE AND ALL UNDERGROUND CAST IRON SOIL PIPING AND FITTINGS, ASTM A-74, SERVICE WEIGHT.

NO-HUB CAST IRON PIPE AND FITTINGS MAY BE USED ABOVE FLOOR FOR SOIL, WASTE, AND VENT PIPING.

PIPING ALIGNMENT SHALL BE AS INDICATED ON THE DRAWINGS USING APPROVED Y BRANCHES OR EIGHT BANDS FOR DIRECTION CHANGES AND SHALL BE SURELY SUPPORTED OR SECURED TO MAINTAIN SUCH ALIGNMENT.

PITCH OF PIPING SHALL BE UNIFORM AT A MINIMUM OF 1/4" PER FOOT FOR BUILDING DRAINS AND AS INDICATED ON THE DRAWINGS FOR SEWERS.

PROTECTION SHALL BE GIVEN ALL FOOTINGS, OTHER STRUCTURAL ELEMENTS DURING UNDERGROUND WORK ADJACENT TO SUCH ITEMS. REFER TO STRUCTURAL DRAWINGS.

VENT ALL FIXTURES, CONNECT BRANCH VENTS TO MAIN VENT RISERS AT LEAST THREE FEET AND SIX INCHES ABOVE VENTED FIXTURES. PITCH VENT LINES BACK TO SOIL OR WASTE PIPE, FREE OF DROPS AND SAGS

CLEANOUTS SHALL BE FULL SIZE OF PIPE UP THICK FLEXIBLE CLOSED CELL ELASTOMERIC TO 4", AND 4" FOR LARGER SIZES. FOR UNDERGROUND AND CONCEALED LINES. PROVIDE CLEANOUTS IN ACCESSIBLE POSITIONS AT EACH RIGHT ANGLE TURN AND INSTALLATION: SLIT TUBULAR SECTIONS AT INTERVALS NOT TO EXCEED FIFTY FEET. IN FLOORS, INSTALL FLUSH WITH FINISH FLOOR WITH EXTENSION PIPE FROM CLEANOUT "Y".

FLOOR DRAINS

REFER TO SCHEDULE ON DRAWINGS.

NOTE: ALL FLOOR DRAINS LOCATED IN ROOMS WHICH HAVE TILE FLOORS (TOILET TOPS (TYPE "S" STRAINER).

THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL TRAP PRIMERS FOR ALL FLOOR DRAINS. TRAP PRIMER SHALL BE EQUAL TO PPP INC. MODEL "OREGON #1" TRAP PRIMER VALVE.

PLUMBING FIXTURES WATER CLOSETS.

LAVATORIES. SERVICE SINKS. WATER COOLERS.

FIXTURE SCHEDULE

SEE PLUMBING DRAWINGS FOR FIXTURE SCHEDULE.

PLUMBING EQUIPMENT ELECTRIC WATER HEATERS

CIRCULATING PUMPS THERMOSTATIC MIXING VALVE CATHODIC PROTECTION

PROVIDE DIELECTRIC INSULATION AT POINTS WHERE COPPER OR BRASS PIPE COMES IN CONTACT WITH FERROUS PIPING, REINFORCING STEEL OR OTHER DISSIMILAR METAL IN STRUCTURE.

SHOCK ABSORBERS

REMOVE SHOCK CONDITIONS FROM ALL PIPING. PROVIDE AND INSTALL SHOCK ABSORBERS ON ALL PIPING SERVING FLUSH VALVE FIXTURES.

VALVES

MAIN SHUT OFF VALVES SHALL BE INSTALLED AS SHOWN ON THE PLANS. SHUT OFF VALVES SHALL BE NIBCO S/T 580 BALL VALVES OR EQUAL. VALVES SHALL HAVE BLOWOUT PROOF STEM, TFE SEATS AND BRASS BALL. PRESSURE RATING OF ALL MAIN 400 PSI WORKING PRESSURE.

VALVES SHALL BE INSTALLED AS SHOWN ON THE PLANS. WHEN VALVES ARE NOT SHOWN IN DETAIL ON THE PLANS, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL VALVES NECESSARY FOR THE CONTROL OPERATION AND ISOLATION OF EQUIPMENT. PITCH ALL PIPE TO LOW POINTS AND INSTALL DRAIN VALVES.

GATE VALVES OR BALL VALVES SHALL BE USED IN SERVICES REQUIRING THE VALVES TO BE FULLY OPENED OR TIGHTLY CLOSED GLOBE OR ANGLE VALVES SHALL BE USED WHERE THROTTLING OR FLOW CONTROL IS DESIRED, OR IN BY-PASS LINES. GLOBE AND ANGLE VALVES SHALL BE EQUIPPED WITH THE APPROPRIATE DISC MATERIAL FOR THE INTENDED SERVICE. COLD WATER GLOBE VALVES SHALL HAVE RUBBER DISC; HOT WATER SHALL HAVE COMPOSITION DISC.

THIS CONTRACTOR SHALL FURNISH AND INSTALL SHUT-OFF VALVES TO ISOLATE EACH FIXTURES. ITEM OR UNIT AT THE FIXTURE ITEMS OR UNIT WHETHER FURNISHED BY THIS CONTRACTOR OR BY OTHERS.

FIXTURES, ITEM OR UNITS FURNISHED BY THE MANUFACTURER WITH INTEGRAL STOPS OR STOPS SPECIFIED WITH THE FIXTURE ARE CONSIDERED TO BE PROPERLY VALVED OFF AT THE FIXTURES.

ACCESS SHALL BE PROVIDED TO ALL VALVES. PIPE JOINTS AND CONNECTION

ALL CUTTING AND PATCHING OF FINISHED CONSTRUCTION OF BUILDING SHALL BE PERFORMED BY THIS CONTRACTOR UNDER THE SECTION OF SPECIFICATIONS COVERING THESE MATERIALS.

ANY MINOR ADJUSTMENT IN LOCATION OF ALIGNMENT OF NEW WORK OR TO CONNECT O EXISTING UTILITIES SHALL BE PERFORMED AS DIRECTED BY THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO THE GROUNDS, WALKS, ROAD, BUILDING, PIPING SYSTEMS, ELECTRICAL SYSTEMS, AND THEIR EQUIPMEN AND CONTENTS, CAUSED BY LEAKS IN THE PIPING SYSTEMS BEING INSTALLED OR HAVING BEEN INSTALLED BY HIM. HE SHALL REPAIR AT HIS EXPENSE ALL DAMAGED SO CAUSED. ALL REPAIR WORK SHALL BE DONE AS DIRECTED BY AND IN SUCH MANNER AS SATISFACTORY TO THE ARCHITECT.

OWNER RESERVES THE RIGHT TO MAKE EMERGENCY REPAIRS AS REQUIRED TO KEEP EQUIPMENT IN OPERATION WITHOUT VOIDING THE CONTRACTOR'S GUARANTEE BOND NOR RELIEVING THE CONTRACTOR OF HIS RESPONSIBILITIES DURING THE BONDING

PIPE INSULATION

FIBERGLASS PIPING INSULATION: ASTM C FLEXIBLE CLOSED CELL ELASTOMERIC PIPING INSULATION: ASTM C 534, TYPE I, (EQUAL

TO ARMAFLEX). ENCASE PIPE FITTINGS INSULATION WITH ONE-PIECE PREMOLDED PVC FITTING COVERS. VAPOR BARRIER MATERIAL: PAPER-BACKED ALUMINUM FOIL, EXCEPT AS OTHERWISE

INDICATED, STRENGTH AND PERMEABILITY RATING EQUIVALENT TO ADJOINING PIPE NSULATION JACKETING. STAPLES, BANDS, WIRES, AND CEMENT: AS RECOMMENDED BY INSULATION

MANUFACTURER FOR APPLICATIONS NDICATED.

ADHESIVES, SEALERS, AND PROTECTIVE FINISHES: AS RECOMMENDED BY INSULATION MANUFACTURER FOR APPLICATIONS INDICATED.

COVER ALL COLD WATER PIPING WITH 1/2" THICK FLEXIBLE CLOSED CELL ELASTOMÉRIC INSULATION, HAVING A "K" VALUE OF .25.

COVER ALL HOT WATER PIPING WITH 3/4" INSULATION, HAVING A "K" VALUE OF .25.

FLEXIBLE CLOSED CELL ELASTOMERI ONTO PIPE. ON AREAS WHERE PIPE END IS OPEN, SLIDE FULL SECTIONS ONTO PIPE. ALL EDGES SHALL BE CLEAN CUT. INSULATION SHALL BE PUSHED ONTO PIPE, NEVER PULLED. ALL SEAMS AND BUTT JOINTS SHALL BE ADHERED AND SEALED USING ADHESIVE EQUAL TO ARMAFLEX 520 ADHESIVE.

INTERRUPTION OF SERVICES

WHEN IT IS REQUIRED TO INTERRUPT

ROOMS, KITCHEN, ETC.) SHALL HAVE SQUARE EXISTING SERVICES, THIS CONTRACTOR SHALL FIRST NOTIFY THE ARCHITECT THAT AN INTERRUPTION IS REQUIRED. IT SHOULD BE NOTED THAT FACILITIES MUST BY KEPT IN OPERATION AS MUCH AS POSSIBLE.

> THIS CONTRACTOR SHALL ADVISE THE ARCHITECT OF THE LENGTH OF TIME THE SERVICE WILL BE INTERRUPTED AND SHALL GET PERMISSION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

WARRANTY

THIS CONTRACTOR SHALL WARRANT THAT ALL WORK UNDER THIS SECTION SHALL BE FREE OF DEFECTIVE WORK. MATERIALS AND PARTS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE WORK AND SHALL REPAIR, REVISE, AND REPLACE, AT NO COST TO THE OWNER, ANY SUCH DEFECTS OCCURRING WITHIN THE WARRANTY PERIOD.

PLUMBING SAN & VENT PLAN

SCALE:  $1/4^{2} = 1^{2}-0^{2}$ 

![](_page_28_Picture_106.jpeg)

# PLUMBING SUPPLY ISO SCALE: 1/4" = 1'-0"

# FIXTURE SCHEDULE

EWC ELECTRIC WATER COOLER: DUAL HEIGHT, OASIS MODEL PBACSL, BARRIER-FREE WATER COOLER PROVIDE UNITS ACCESSIBLE TO BOTH WHEELCHAIRS AND TO INDIVIDUALS WHO HAVE DIFFICULTY BENDING OR STOOPING. PROVIDE A HI-LO FOUNTAIN UTILIZING TWO SPOUTS AT DIFFERENT HEIGHTS AND MEETING THE ADA ACCESSIBILITY GUIDELINES. INCLUDE MANUAL HAND WHEEL TYPE SHUTOFF VALVES AND CONNECTING STEM PIPES TO PERMIT OUTLET SERVICING WITHOUT SHUT-DOWN OF WATER SUPPLY PIPING SYSTEMS.

- EWH WATER HEATER A.O. SMITH #DEL-10, 10 GALLON, 2000 WATT, 120V., 1 PHASE.
- ED FLOOR DRAIN SQUARE NICKEL BRONZE JR SMITH #2010–B STRAINER. PROVIDE TRAP PRIMER JR SMITH #2699 FOR THE TRAP OF THE FLOOR DRAIN.
- LAV AMERICAN STANDARD MODEL 0356.012, LUCERNE WALL HUNG LAVATORY WITH FAUCET LEDGE, FAUCET HOLES ON 4" CENTERS & WALL HANGER. FAUCET SHALL BE CHICAGO MODEL 404A-317-327A, CHROME, 4" CENTERSET, 1/2" CONNECTIONS AND 4" WRIST BLADE HANDLES. FURNISH CHROME STOPS, SUPPLIES AND A 1-1/4" WHEELCHAIR LAVATORY DRAIN WITH STAINLESS STEEL GRID AND P-TRAP. PROTECT TRAP AND SUPPLIES WITH A TRAP WRAP KIT 500R AS MANUFACTURED BY BROCAR PRODUCTS INC. LAVATORY MOUNTING HEIGHT SHALL BE AS DETAILED ON ARCHITECTURAL DRAWINGS.
- TRAP PRIMER, EQUAL TO PRECISION PLUMBING PRODUCT, INC. <u>TP</u> MODEL PR-500-DU-2.
- <u>WC</u> WATER CLOSET: AMERICAN STANDARD MODEL 2462.016 CADET RIGHT HEIGHT ADA 16-1/2" HIGH ELONGATED TOILET WITH ALL ASSOCIATED TRIM, FITTINGS AND HARDWARE. SEAT SHALL BE WHITE SOLID PLASTIC WITH OPEN FRONTLESS COVER. PROVIDE COMPLETE WITH CHROME SUPPLY AND SERVICE STOP.
- <u>MS</u> MOP SINK - FIAT MODEL MSB2424 24"x24"x10"H MOLDED STONE MOP SINK WITH VINYL BUMPER GUARDS #E-77-AA ON ALL CURBS. PROVIDE MOP SINK WITH #832-AA HOSE AND HOSE BRACKET AND #889-CC MOP HANGER. FAUCET SHALL BE CHICAGO FAUCET #897 WITH BACK SUPPLIES ON ADJUSTABLE CENTERS AND A POLISHED CHROME FINISH.
- WHA WATER HAMMER ARRESTER, EQUAL TO PRECISION PLUMBING PRODUCT, INC. SC SERIES.

![](_page_28_Figure_117.jpeg)

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PLUMBING SAN & VENT ISO SCALE: 1/4" = 1'-0"

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5. PROVIDE TRAP PRIMER FOR FLOOR DRAIN. REFER TO SPECIFICATIONS FOR MODEL AND MANUFACTURER. INSTALL TRAP PRIMER VALVE ASSEMBLY IN	<ul> <li>#</li> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> </ul>	PLUMBING DEMO SCOPE         REMOVE ALL EXISTING PLUMBING FIXTURES. REMOVE ALL SUPPLY PIPING BACK TO MAINS AND CAP.         PLUMBING NEW WORK CODED NOTES         NISTALL NEW WATER HEATER ABOVE RESTROOM CEILING. SEE DETAIL FOR ADDITIONAL INFORMATION. VERIFY IN FIELD EXACT LOCATION, COORDINATE WITH GENERAL AND ELECTRICAL CONTRACTORS.         CONNECT NEW CW LINE TO EXISTING CW TAP. VERIFY EXACT LOCATION OF CW TAP PRIOR TO BEGINNING WORK. PROVIDE NEW SHUTOFF VALVE AS REQUIRED.         EXTEND AND CONNECT NEW 4" SANITARY LINE TO EXISTING SANITARY MAIN. FIELD VERIFY EXACT LOCATION WITH LANDLORD REPRESENTATIVE PRIOR TO BEGINNING WORK.         EXTEND AND CONNECT NEW VENT INTO EXISTING VENT MAIN. FIELD VERIFY	RE
WALL AT AN ACCESSIBLE HEIGHT. PROVED ACCESS PANELS AS REQUIRED.	<ul> <li>#</li> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> </ul>		RE
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# FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

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# PLUMBING PLAN

![](_page_28_Picture_127.jpeg)

### (#) <u>POWER CODED NOTES:</u>

- 1. PROVIDE JUNCTION BOX AND DISCONNECT SWITCH IN A NON-VISIBLE, BUT ACCESSIBLE LOCATION FOR STOREFRONT SIGNAGE. PROVIDE FLEXIBLE WHIP FOR CONNECTION TO SIGNAGE. SIGNAGE FIXTURE FURNISHED AND INSTALLED BY OWNER'S SIGNAGE VENDOR. COORDINATE EXACT LOCATION WITH OWNER AND SIGNAGE VENDOR.
- 2. PROVIDE JUNCTION BOX ABOVE DOOR AND DEDICATED 120V CIRCUIT FOR SENSORMATIC FLOORMAX SYSTEM (INSTALLED BY OWNER). POWER FOR SENSORMATIC SYSTEM TO BE ROUTED THROUGH STOREFRONT TO ABOVE CEILING, THEN IN CONDUIT TO JUNCTION BOX ABOVE CEILING. VERIFY EXACT REQUIREMENTS WITH THE SENSORMATIC VENDOR PRIOR TO COMMENCING ANY WORK. POWER PACK TO BE MOUNTED ABOVE CEILING.
- 3. REFER TO DETAIL 1 ON SHEET E3.1 FOR MORE INFORMATION.
- 4. PROVIDE 4'x4'x3/4" PLYWOOD BACKBOARD AND 24 PORT WALL MOUNTED CATEGORY 5 PATCH PANEL FOR TERMINATION OF VOICE AND DATA CABLING. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
- 5. TELEPHONE/DATA OUTLET. PROVIDE CAT 5 MODULAR JACK MATCHING ADJACENT ELECTRICAL RECEPTACLÉ STYLE AND COLOR. PROVIDE CAT 5 CABLE, 1 PER DROP UNLESS NOTED OTHERWISE, ROUTED TO TELEPHONE/DATA PATCH PANEL. CABLING INSTALLATION MUST BE TESTED TO MEET CAT 5 REQUIREMENTS FOR ROUTING, SUPPORT, TERMINATION AND SPEED.
- 6. PROVIDE (1) 1" CONDUIT FOR POWER AND (2) 1" CONDUITS FOR TELE/DATA AND BUZZER WIRING. CONDUITS SHALL BE TRENCHED FROM NEAREST FULL HEIGHT WALL/COLUMN, BELOW SLAB OVER TO CASHWRAP. CONDUITS SHALL BE OFFSET 12" LEFT OF CENTERLINE OF CASHWRAP. PROVIDE JUNCTION BOXES IN THE BASE OF THE MILLWORK FOR CONDUIT TERMINATIONS. COORDINATE JUNCTION BOX LOCATIONS WITH OWNER AND MILLWORK MANUFACTURER PRIOR TO INSTALLATION. COORDINATE SLAB TRENCHING REQUIREMENTS (I.E. X-RAY) WITH LANDLORD PRIOR TO COMMENCEMENT OF WORK.
- 7. DEVICES TO BE INSTALLED WITHIN MILLWORK. PROVIDE FLEXIBLE CONDUIT CONNECTIONS FROM JUNCTION BOXES TO DEVICES. CONCEAL FLEXIBLE CONNECTIONS WITHIN MILLWORK. COORDINATE ROUTING WITH FIXTURE MANUFACTURER.
- 8. REFER TO RISER DIAGRAM ON SHEET E4.1 FOR MORE INFORMATION ON THE ELECTRICAL GEAR. 9. PROVIDE DELIVERY BUZZER PUSH-BUTTON AT 48" AFF. REFER TO DETAIL 2 ON SHEET E3.1 FOR MORE INFORMATION.
- 10. PROVIDE NEW DELIVERY BUZZER TRANSFORMER AND BUZZER. MOUNT AT 108" AFF. REFER TO DETAIL 2 ON SHEET E3.1 FOR MORE INFORMATION.
- 11. PROVIDE (2) 1" CONDUITS TO TELEPHONE BOARD.
- 12. PROVIDE AND INSTALL A DUPLEX RECEPTACLE AT STOREFRONT SHOW WINDOW, MOUNT FLUSH IN SOFFIT. PAINT TO MATCH SOFFIT. WHERE THERE IS NO SOFFIT, MOUNT RECEPTACLE IN WALL 6" ABOVE WINDOW.
- 13. CIRCUIT SHALL BE CONNECTED THROUGH LIGHTING CONTROL SYSTEM. REFER TO SHEET E3.2 FOR MORE INFORMATION. 14. PROVIDE NEW DELIVERY BUZZER. LOCATE BUZZER IN WITHIN OPEN CELL OF BACKWRAP. COORDINATE EXACT LOCATION WITH TENANT PROJECT MANAGER PRIOR TO COMMENCEMENT OF RELATED WORK. REFER
- TO DETAIL 2 ON SHEET E3.1 FOR MORE INFORMATION. 15. PROVIDE 2-GANG JUNCTION BOX ON INISIDE OF RIGHT WINGWALL FOR MUSIC SYSTEM VOLUME CONTROL. LOCATE 48" AFF TO CENTER OF BOX.
- 16. EXISTING DISCONNECTS, FEEDERS, AND CONDUIT SHALL REMAIN. EXTEND/TRUNCATE FEEDERS AND CONDUIT TO SWITCHBOARD KDP1 AS REQUIRED, MATCH EXISTING AND FIELD VERIFY. EXISTING RTU SERVICE RECEPTACLES SHALL REMAIN. EXTEND/TRUNCATE FEEDERS AND CONDUIT TO RELOCATED PANEL B, CIRCUIT B-29, MATCH EXISTING AND FIELD VERIFY.
- 17. PROVIDE NEMA-1 ENCLOSURE FOR CONTACTORS.
- 18. PROVIDE 30A/1P DISCONNECT SWITCH AND FINAL CONNECTION FOR NEW ELECTRIC WATER HEATER. PROVIDE (2)#10, (1)#10 GND IN 3/4" CONDUIT.
- 19. INSTALL OWNER PROVIDED LC&D "SILVERBULLET" T24-12-SM CURRENT LIMITING PANEL FOR TRACK LIGHTING. REFER TO SILVER BULLET PANEL SCHEDULE ON SHEET E2.1 FOR MORE INFORMATION.
- 20. PROVIDE (7) REMOTE ANNUNCIATOR TEST SWITCH STATIONS FOR EXISTING DUCT SMOKE DETECTORS. REFER TO ELECTRICAL SPECIFICATIONS FOR MORE INFORMATION.
- 21. CONNECT EXHAUST FAN TO SAME CIRCUIT FEEDING THE LIGHTING IN THIS ROOM AND INTERLOCK WITH OCCUPANCY SENSOR. SEE DETAIL 1 ON THIS SHEET INFORMATION.
- 22. PROVIDE RECEPTACLE FOR HAND STEAMER. PROVIDE LABEL AT RECEPTACLE LOCATION TO READ "STEAMER". COORDINATE EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- 23. PROVIDE JUNCTION BOXES, DISCONNECT SWITCH AND 120 VOLT CIRCUIT FOR ALL EXTERIOR SIGNAGE. SCONCES AND OTHER ILLUMINATED ELEMENTS. COORDINATE LOCATIONS WITH OWNER. REFER TO EXTERIOR ELEVATIONS ON ARCHITECTURAL SHEETS. CONNECT CIRCUITS TO THE SIGNAGE/EXTERIOR CONTACTORS FOR CONTROL BY TIMECLOCK. REFER TO SHEET E3.2 FOR DETAILS.
- 24. E.C. SHALL SALVAGE EXISTING FIRE ALARM DEVICES WHEREVER POSSIBLE FOR REUSE AND RELOCATE AS SHOWN. IF CONDITION IS UNACCEPTABLE, PROVIDE FIRE ALARM DEVICES AS SHOWN. FIRE ALARM DEVICES SHALL BE BY THE SAME MANUFACTURER OF THE LANDLORD'S CENTRAL SYSTEM TO ENSURE COMPATIBILITY IN CONNECTION OF SYSTEMS. PROVIDE ALL POWER SUPPLIES, CONTROL MODULES, TRANSPONDERS, ETC. TO ENSURE A COMPLETE FUNCTIONAL SYSTEM. PROVIDE WIRING AND FINAL CONNECTION TO THE LANDLORD'S FIRE ALARM CONTROL PANEL. COORDINATE ALL WORK REQUIRED FOR THE FIRE ALARM SYSTEM WITH LANDLORD PRIOR TO BID.

### POWER GENERAL NOTES

- RECEPTACLE CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. Α. RECEPTACLE CIRCUITS FROM 101'-0" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. RECEPTACLE CIRCUITS FROM 151'-0" TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. RECEPTACLE CIRCUITS ABOVE 250'-0" IN LENGTH SHALL UTILIZE #6 CONDUCTORS MINIMUM.
- B. ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OTHER ALARM SYSTEM CONNECTIONS. C. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO REVIEW ALL ARCHITECTURAL DRAWINGS, ELECTRICAL DRAWINGS AND NOTES TO INSURE THAT ALL ELECTRICAL REQUIREMENTS ARE
- MET. D. ALL POWER AND ALARM WIRING FOR EXIT DOORS SHALL BE CONCEALED IN DOOR FRAME.
- E. DUCTWORK AND PIPING SHALL NOT BE ROUTED OVER ELECTRIC PANELS OR TRANSFORMERS.
- F. ALL CONDUITS SHALL BE CONCEALED IN WALLS AND OUTLET BOXES SHALL BE FLUSH WITH FINISHED WALL UNLESS OTHERWISE NOTED.
- G. RECEPTACLES AND DATA/TELEPHONE SHALL BE MOUNTED +18" A.F.F. UNLESS OTHERWISE NOTED, NO LOWER THAN +15" A.F.F. TO BOTTOM OF DEVICE.
- H. DISCONNECT AND DISCARD ALL EXISTING ELECTRICAL EQUIPMENT AND DEVICES, WIRING, CONDUIT, LIGHT FIXTURES, ETC. NOT BEING REUSED.
- I. ANY PENETRATIONS THROUGH FIRE-RESISTANT/RATED WALLS, PARTITIONS, FLOORS, AND CEILINGS SHALL BE FIRESTOPPED USING APPROVED METHODS TO MAINTAIN THE FIRE RESISTANCE RATING.
- J. ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION BOX AND RACEWAY FOR THERMOSTATS AND HVAC LOW VOLTAGE CONTROLS AT 48" A.F.F. THERMOSTATS AND HVAC LOW VOLTAGE CONTROLS INSTALLED AND WIRED BY MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR. TYPICAL OF ALL.
- K. WHERE OPEN-AIR INSTALLATION METHODS (EITHER EXPOSED ABOVE THE CEILINGS, IN BRIDLE RINGS OR IN CABLE TRAYS) ARE PERMITTED, PROVIDE PLENUM-RATED CABLES WHEREVER PLENUM CEILINGS (IF ANY) EXIST AND INSTALL PER NEC.
- ACCESS TO LANDLORD'S JUNCTION BOXES MUST BE MAINTAINED. PROVIDED ACCESS PANELS AS REQUIRED.

![](_page_29_Figure_55.jpeg)

![](_page_29_Figure_68.jpeg)

![](_page_29_Figure_69.jpeg)

Silver Bullet Panel Schedule           Panel Location:         Stock Room						
Silver Bullet Ckt #	Breaker ID	Load Name	Relay ID	VA (wattage) Required	Breaker Size (Ampere)	
1	A-1	TRACK LTG - PERIMETER	1	600	7	
2	A-3	TRACK LTG - PERIMETER	2	1125	1:	
3	A-5	TRACK LTG - PERIMETER	3	1325	1:	
4	A-7	TRACK LTG - PERIMETER	4	550	(	
5	A-9	TRACK LTG - CENTER	5	700		
6	A-11	TRACK LTG - PERIMETER	6	725	l	
7		SPARE	7	0	10	
8		SPARE	8	0	l	
9		SPARE	9	0	(	
10		SPARE	10	0		
11		SPARE	11	0		
12		SPARE	12	0		

![](_page_30_Figure_1.jpeg)

Ckt #       -         1       A-1         2       A-3         3       A-5         4       A-7         4       A-7         5       A-9         6       A-11         7       SPARE         9       SPARE         10       SPARE         11       SPARE         12       SPARE         00       ON         0FF       S	TER     1     0       ETER     2     1       ETER     2     1       ETER     3     13       ETER     4     4       R     5     7       ETER     6     7       8     9       10     11       12     0       ON     0       OFF     2       S     3       MAS	(Ampere) 00 7 25 13 25 15 50 6 00 8 25 8 0 10 0 8 0 6 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
WORK LEVEL S. 'a' NOTE: REFER TO LIGHTING CON	SALES LEVEL SWIT	CH I ON SHEET E3.2	$\mathbf{\epsilon}$	$\begin{array}{c} E X & E X \\ X \\ E X \\ E X \\ E X \\ E X \\ E$
1 MASTER LIG	HTING SW	TCH BANK		$\begin{bmatrix} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $
LU	UMINAIRE SCHEDU	LE		B <sup>1</sup> B <sup>1</sup> B <sup>1</sup> B <sup>1</sup> B <sup>1</sup> EX
TYPEMFGRCATALOG NUMBERDESCRIPTIONA1PATHWAY LIGHTINGFS81UTE4 / CF8200IR8" RECESSED ROUND CFL DOWNLIGHT - CLEAR ALZAK TRIMB1CON-TECHCTL2838NPAR38 FRONT LOADING GIMBAL RING (WHITE)C2CON-TECHCTL610UNIVERSAL LAMP HOLDER TRACK HEAD (WHITE )C3CON-TECHLT-# (# = LENGTH IN FEET)SINGLE CIRCUIT TRACK (WHITE)EM1ENCORE12ELP-27-2-TDADJUSTABLE DUAL-HEAD EMERGENCY LIGHT WITH TIME DELAY - WALL OR	VOLTWATTSMOUNTIUNI42RECESSIUNI18TRACK1207TRACK120SURFACUNI12CELL N	NG         HEIGHT         LAMP           ED         (1) 42W 4P CFL            11'-0" AFF         (1) LED18 PAR38            11'-0" AFF         (1) 7 WATT PAR 20           E         N/A	REMARKS         SPACING 2' ON CENTER         ALWAYS 7 HEADS TO BE TRACK MOUNTED AT         BACKWRAP         - PROVIDED WITH 90 MINUTE BATTERY BACK-UP         TIME DELAY SHALL BE 3 MINUTES (MINIMUM)         COLSPAN= 2 MINUTES (MINIMUM)	B1 B1 B1 B1 B1 B1 B1 B1 B1 B1
EM2     ENCORE     12ELP-27-2     ADJUSTABLE DUAL-HEAD EMERGENCY LIGHT - WALL OR CEILING MOUNTED	UNI 12 WALL C CEILIN	R 12'-0" AFF (2) 12W (INCLUDE	ED) - PROVIDED WITH 90 MINUTE BATTERY BACK-UP	ELECTRICAL LIGHTING PLAN SCALE: 1/8" = 1-0"
F     MM LIGHTING     F2343/4DBZ     MURRAY FEISS SHADE PENDANT - DARK BRONZE FINISH	120 100 PENDAN	T 8'-0" AFF TO BOTTOM (4) 25W MEDIUM BASE	<ul> <li>ALWAYS (4) PENDANTS AT CASHWRAP MOUNTED</li> <li>7'6" AFF</li> <li>(1) PENDANT AT LEANING MIRROR MOUNTED 8'6"</li> <li>AFF</li> </ul>	<ul> <li>I. PROVIDE ROUGH-IN AND INSTALL OCCUPANCY SENSOR, WATTSTOPPER WI-200 OR EQUIVALENT, AUTOMATIC "ON" WALL SWITCH. MOUNT AT +48" AFF.</li> </ul>
G1 CUSTOM CHARMING CHARLIE CHANDELIER CRYSTORAMA D119 12-LIGHT, 2-TIER CUSTOM CHANDELIER- ENGLISH BRONZE FINISH, CLEAR CRYSTAL ACCENTS	120 720 PENDAN	T 7'-6" AFF TO BOTTOM (12) 60W B10	COORDINATE HEIGHT WITH ARCHITECTURAL PLANS - THIS IS THE CHARMING CHARLIE SALES FLOOR CHANDELIER	2. PROVIDE 2-HOUR OVERRIDE TIME SWITCH EQUAL TO INTERMATIC FF SERIES. OVERRIDE SWITCH SHALL SERVE AS THE EXTERNAL OVERRIDE SIGNAL TO TIMECLOCK TC1. PROVIDE PRINTED LABEL AT SWITCH LOCATION TO READ "OVERRIDE SWITCH".
G3       MINKA GROUP       3123-489       I-LIGHT MINI CHANDELIER- TAYLOR BRONZE FINISH, CLEAR CRYSTAL ACCENTS         K       MERCURY       MM-2-32-OCT-C-ELB-UNI       4' 2-LAMP LINEAR STRIP LIGHT	120 60 PENDAN UNI 64 PENDAN	T 7'-6" AFF TO BOTTOM (1) 60W MEDIUM T T 12'-0" AFF (2) 32W T8	BASE COORDINATE HEIGHT WITH ARCHITECTURAL PLANS.BASE CHANDELIER PER CHARMING CHARLIE FITTING ROOMCOORDINATE HEIGHT WITH ARCHITECTURAL PLANS. - TO BE USED IN STOCK ROOM ONLY FOR CHARLIE, CHARLIE PREMIUM, AND LIFESTYLE STORES - USE THROUGHOUT BACKROOM AREAS OF POWER CENTERS (THIS INCLUDES RESTROOMS, COORIDORS, MANAGERS OFFICE, STOCKROOM) -PROVIDE CHAIN SET FOR PENDANT MOUNTING FIXTURE.	<ol> <li>3. EMERGENCY/NIGHT LIGHTS AND EXIT SIGNS SHALL BE CIRCUITED TO UNSWITCHED, LOCKED CIRCUIT A-41.</li> <li>4. NEW LIGHTING CONTROL SYSTEM, REFER TO DETAILS ON SHEET E3.2 FOR ADDITIONAL INFORMATION AND ZONE SCHEDULE.</li> <li>5. PROVIDE WIRE AS REQUIRED FOR OWNER PROVIDED SPEAKERS. COORDINATE EXACT SPEAKER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN. REFER TO DETAIL 1 ON SHEET E3.1 FOR ADDITIONAL INFORMATION ON THE SOUND SYSTEM. COORDINATE EXACT REQUIREMENTS WITH CHARMING CHARLIE PROJECT MANAGER PRIOR TO INSTALLATION.</li> <li>6. PROVIDE WIRE AS REQUIRED FOR OWNER SECURITY SYSTEM DEVICES. COORDINATE EXACT CAMERA LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN. REFER TO DETAIL 1 ON SHEET E3.1 FOR ADDITIONAL INFORMATION ON THE SECURITY SYSTEM. COORDINATE EXACT REQUIREMENTS WITH CHARMING CHARLIE PROJECT MANAGER PRIOR TO INSTALLATION.</li> <li>7. PROVIDE ROUGH-IN AND INSTALL CEILING OCCUPANT SENSOR, WATTSTOPPER CI-200 OR EQUIVALENT.</li> </ol>
L2 ACCULITE HB1-150PS-QT-PR16 ED 17 HIGHBAY WITH PRISMATIC ACRYLIC REFLECTORS	120 175 PENDAN	T REFER TO ARCHITECTURAL SHEETS (1) 150W ED 17 LAMP	COORDINATE HEIGHT WITH ARCHITECTURAL PLANS. - GRID SPACING IS 14 x 14 ft ON CENTER	<ul> <li>PROVIDE ALL NECESSARY POWER PACKS, RELAYS, ETC. FOR A COMPLETE AND FUNCTIONAL SYSTEM. REFER TO DETAIL 2 ON SHEET E1.1 FOR RESTROOM LIGHTING/EXHAUST FAN CONTROLS.</li> <li>8. WIRELESS ACCESS POINT UNIT CENTRALLY LOCATED, COORDINATE EXACT LOCATION IN FIELD, AND MOUNT TO THE VERTICAL SOFELT WALL OR SUPEACE MOUNT TO STRUCTURE.</li> </ul>
SC2     CUSTOM RSVP SCONCE     ELT7830W2B     2-LIGHT WALL SCONCE - BLACK FINISH WITH BLACK CRYSTAL	120 120 WALL	REFER TO ARCHITECTURAL SHEETS (2) 60W CANDELA	COORDINATE MOUNTING HEIGHT WITH ABRARCHITECTURAL PLANS	9. CONNECT TRACK LIGHTING BRANCH CIRCUITS THROUGH CURRENT LIMITING PANEL. REFER TO CURRENT
SC3WORLD IMPORTS7821-WH-881-LIGHT WALL SCONCE - BRONZE FINISH WITH WHITE GLASS	120 60 WALL	REFER TO ARCHITECTURAL SHEETS (1) 60W B10	- 2 SCONCES PER CHARMING CHARLIE FITTING ROOM - COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL PLANS.	LIMITING PANEL SCHEDULE ON THIS SHEET FOR MORE INFORMATION. 10. LIGHTING SWITCHBANK. REFER TO DETAIL 1 ON THIS SHEET FOR ADDITIONAL INFORMATION. 11. PROVIDE JUNCTION BOX, DISCOMMENT SWITCH, AND 100 YOLT OPDILIT, FOR ALL, SVITCHOR, CONVERSE
X2       PATHWAY       PEXUR-DL       THERMOPLASTIC WHITE EXIT SIGN WITH RED LETTERS         NOTES:	UNI 5 SURFAC	E 11'-0" AFF L.E.D. INCLUDED	- TO BE USED IN STOCK ROOM, BACK COORIDOR AND RESTROOMS - TO BE USED THROUGHOUT SALES FLOOR OF LIFESTYLE AND POWER CENTER STORES - PROVIDED WITH 90 MINUTE BATTERY BACK-UP	<ul> <li>11. PROVIDE JUNCTION BOX, DISCONNECT SWITCH AND 120 YOLT CIRCUIT FOR ALL EXTERIOR SIGNAGE, SCONCES AND OTHER ILLUMINATED ELEMENTS. COORDINATE LOCATIONS WITH OWNER. CONNECT CIRCUITS TO THE SIGNAGE/EXTERIOR CONTACTORS FOR CONTROL BY TIMECLOCK. REFER TO SHEET E3.2 FOR DETAILS.</li> <li>12. NIGHT LIGHTS IN THE SALES AREA SHALL BE CIRCUITED TO UNSWITCHED, LOCKED CIRCUIT A-42.</li> </ul>

PROVIDE PENDANT MOUNTING KIT FOR ALL LIGHTING TO BE PENDANT MOUNTED FROM STRUCTURE

6. E.C. SHALL AIM ALL TRACK LIGHTING AS SHOWN/INDICATED BY ARCHITECTURAL DRAWING/OWNER.

B1

B1⊭

R1

DOOR.

![](_page_30_Figure_10.jpeg)

SEAL:

A PROJECT FOR:

![](_page_30_Figure_12.jpeg)

### LIGHTING GENERAL NOTES

QUIVALENT, AUTOMATIC A. LIGHT FIXTURES SHOWN FADED AND LABELED "EX" ARE EXISTING TO REMAIN. CONNECT TO NEW CIRCUIT AND CONTROLS AS SHOWN. MAINTAIN EXISTING BRANCH CIRCUITRY BETWEEN FIXTURES WHEREVER POSSIBLE. SOME LIGHT FIXTURES ON EXISTING CIRCUIT ARE REMOVED. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE THAT ANY DOWNSTREAM AND/OR UPSTREAM LIGHT FIXTURES BE RECONNECTED AS REQUIRED TO MAINTAIN CONTINUITY OF THE LIGHTING CIRCUIT.

> B. LIGHT FIXTURES SHOWN FADED AND LABELED "EX-R" ARE EXISTING TO BE RELOCATED. CONNECT TO NEW CIRCUIT AND CONTROLS AS SHOWN. MAINTAIN EXISTING BRANCH CIRCUITRY BETWEEN FIXTURES WHEREVER POSSIBLE. SOME LIGHT FIXTURES ON EXISTING CIRCUIT ARE REMOVED. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE THAT ANY DOWNSTREAM AND/OR UPSTREAM LIGHT FIXTURES BE RECONNECTED AS REQUIRED TO MAINTAIN CONTINUITY OF THE LIGHTING CIRCUIT.

C. ALL WIRING DEVICES (RECEPTACLES, SWITCHES, ETC.) AND COVERPLATES SHALL BE WHITE, NO EXCEPTIONS. D. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS. CIRCUITING SHALL BE THRU-WIRING WHEREVER POSSIBLE. MULTIPLE CONNECTIONS TO A SINGLE LIGHT FIXTURE FOR VOLTAGE DROP CONDITIONS OR AS A RESULT OF A FIELD CONDITION ARE ACCEPTABLE. LIGHTING FIXTURES SHALL BE MANUFACTURED TO

ACCOMMODATE THRU-WIRING, ANY RELATED COSTS FOR MULTIPLE CONNECTIONS SHALL BE INCLUDED IN BID. MENTS WITH CHARMING E. LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. LIGHTING CIRCUITS

FROM 101'-0" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 151'-0" TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. LIGHTING CIRCUITS ABOVE 251'-0" IN LENGTH SHALL UTILIZE #6 CONDUCTORS MINIMUM.

F. ELECTRICAL CONTRACTOR'S BID SHALL INCLUDE THE INSTALLATION OF ALL LIGHT FIXTURES AND ASSOCIATED LAMPS FURNISHED BY OWNER. SOME FIXTURES REQUIRE ASSEMBLY. E.C. IS RESPONSIBLE TO ENSURE THE ADJUST ABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER DIRECTION FROM G.C. IF THE CEILING SYSTEMS ARE FIRE RATED, E.C. SHALL CLOSELY COORDINATE RECESSED FIXTURE REQUIREMENTS WITH OWNER AND SUPPLIER TO MAINTAIN THE FIRE RATING OF THE CEILING.

G. FIXTURES INSTALLED IN FURRED SPACES SHALL BE CONNECTED BY MEANS OF FLEXIBLE CONDUIT AND "AF" WIRE RUN TO A BRANCH CIRCUIT OUTLET BOX WHICH IS INDEPENDENT OF THE FIXTURE.

H. EMERGENCY AND EXIT FIXTURES SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES.

I. ALL NIGHT LIGHTS (SHOWN WITH "NL" DESIGNATION) SHALL BE WIRED AHEAD OF SWITCHING.

J. EMERGENCY FIXTURES, EMERGENCY BALLASTS SHALL BE PROVIDED WITH AN UNSWITCHED "HOT" TO PROVIDE CONTINUOUS POWER TO BALLAST EVEN WHEN FIXTURE IS OFF.

K. EXIT/EMERGENCY LIGHTS AT THE STOREFRONT SHALL BE CEILING MOUNTED AND CENTERED OVER OPENINGS. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES AREAS SHALL BE CEILING MOUNTED AND CENTERED ABOVE

L. IT SHALL BE THE E.C.'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE E.C. SHALL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR. M. DISCONNECT AND DISCARD ALL EXISTING ELECTRICAL EQUIPMENT AND DEVICES, WIRING, CONDUIT, LIGHT FIXTURES, ETC. NOT BEING REUSED.

![](_page_30_Figure_26.jpeg)

No.	Description	Date
Project	t No.:	11460
Drawn	By:	
Review	ved By:	
Scale:		
Date:		09.02.2011
Filenar	me:	
SHEET	T TITLE:	

ELECTRICAL LIGHTING PLAN

![](_page_30_Picture_30.jpeg)

	ELECTRIC LEGEND
SYMBOL	DESCRIPTION
	LIGHTING CONTROL/SWITCHING
NL nl	UNSWITCHED NIGHT-LIGHT FIXTURE
\$	SINGLE POLE SWITCH
<sup>3</sup> \$	3-WAY SWITCH
	LIGHTING CONTACTOR
	OCCUPANCY SENSOR (PIR) AUTO WALL SWITCH @ 48" AFF /AUTO-OFF & DIP SW. CHOICE OF
LCP LCP	LIGHTING CONTROL PANEL
	DIMMER SYSTEM LIGHTING CONTROL STATION
E	RECEPTACLES/MISCELLANEOUS_OUTLETS
 Ø	
 	DOUBLE DUPLEX RECEPTACLE ("QUAD")
 	DUPLEX GFCI RECEPTACLE - COUNTER HEIGHT OR SPECIAL HEIGHT - DO NOT FEED DOWNSTR
	FLUSH CEILING DUPLEX RECEPTACLE
•	FLOOR OUTLET
_	I SEE SPECIFICATION SECTION 16220 MISCELLANEOUS
 ①	THERMOSTAT (LOW VOLTAGE) - FURNISHED, INSTALLED AND WIRED BY H.C.
 	TEMPERATURE CONTROL SENSOR (LOW VOLTAGE) – FURNISHED, INSTALLED & WIRED BY H.C.
•	INDICATES A DIRECT CONNECTION TO EQUIPMENT
 	HEAVY DUTY DISCONNECT SWITCH (NON-FUSED)
 	HEAVY DUTY DISCONNECT SWITCH (FUSED)
 M	MOTOR
 	MOTOR OPERATED DAMPER (120V) - FURNISHED AND INSTALLED BY H.C.,
	POWER AND INTERLOCK WIRING BY E.C. TIME CLOCK
	RECESSED OR SURFACE MOUNTED PANELBOARD AS INDICATED ON PLANS
	PLYWOOD EQUIPMENT BOARD BY E.C. (SEE DIVISION 16 SPECIFICATIONS)
	CIRCUIT BREAKER (NEMA 1 ENCLOSURE UNLESS INDICATED OTHERWISE)
	INDICATES GROUNDING BY E.C. PER N.E.C. ARTICLE 250 MINIMUM
 ج لے جا	TRANSFORMER
<u> 312 - 312</u>	ELECTRIC METER
	SECURITY CAMERA BY OTHERS. PROVIDE SINGLE GANG BOX WITH PLASTER RING AND 3/4"
	CONDUIT TO TELEPHONE BOARD AS REQUIRED. VERIFY EXACT REQUIREMENTS. SPEAKER (BY OTHERS). PROVIDE SINGLE GANG BOX WITH PLASTER RING AND SPEAKER CABLE
	AUDIO AMPLIFIER AS REQUIRED. VERIFY EXACT REQUIREMENTS.
<b>_</b> #	TELEPHONE OUTLET - DESKTOP/TABLETOP PHONE
▼ ▽#	# = NUMBER OF CABLES (PROVIDE ONE CABLE DROP WHERE NO NUMBER IS INDICATED) DATA OUTLET
<b>▼</b> #D #V	# = NUMBER OF CABLES (PROVIDE ONE CABLE DROP WHERE NO NUMBER IS INDICATED) COMBINATION TELE/DATA OUTLET; $\#D= \#$ OF DATA CABLES; $\#V= \#$ OF VOICE CABLES. PROVIDE SINGLE GANG BOX WITH PLASTER RING AND 3/4" CONDUIT TO ABOVE THE ACCESSIBLE CEILING. PROVIDE CAT 5 MODULAR JACK MATCHING ADJACENT ELECTRICAL RECEPTACLE IN STYLE AND COLOR. PROVIDE CAT 5 CABLE, 1 PER DROP, ROUTED TO TELEPHONE/DATA PATCH PANEL. CABLING INSTALLATION MUST BE TESTED TO MEET CAT 5 REQUIREMENTS FOR ROUTING, SUPPOR TERMINATION AND SPEED.
	FIRE ALARM LEGEND
©	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR
 F●	FIRE ALARM SYSTEM HORN/STROBE UNIT
TS	- · · · · · · · · · · · · · · · · · · ·
\$	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT
\$  F	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-0" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION
(\$) F	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES
لغ ٦	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810
\$ F මර බ	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810)
\$ F BÓ	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE
لال ال ال ال ال ال ال (1,3)	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE HOME RUN WITH CIRCUIT NUMBER(S)
\$ F මර ං (1,3)	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-0" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE HOME RUN WITH CIRCUIT NUMBER(S) CABLING/RACEWAY - CEILING OR WALL - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS
\$	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE HOME RUN WITH CIRCUIT NUMBER(S) CABLING/RACEWAY - CEILING OR WALL - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'
الالا الالالا الالالالالالالالالالالالا	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE HOME RUN WITH CIRCUIT NUMBER(S) CABLING/RACEWAY - CEILING OR WALL - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS.
الال الال الال الال الال الال الال الا	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE HOME RUN WITH CIRCUIT NUMBER(S) CABLING/RACEWAY - CEILING OR WALL - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. JUNCTION BOX - ABOVE ACCESSIBLE CEILING OR AT STRUCTURE IN AREAS WITH NO CEILING JUNCTION BOX - WALL (FLUSH IN FINISHED AREAS)
\$	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE HOME RUN WITH CIRCUIT NUMBER(S) CABLING/RACEWAY - CEILING OR WALL - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'T JUNCTION BOX - ABOVE ACCESSIBLE CEILING OR AT STRUCTURE IN AREAS WITH NO CEILING JUNCTION BOX - WALL (FLUSH IN FINISHED AREAS) CONDUIT UP OR DOWN
\$	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE HOME RUN WITH CIRCUIT NUMBER(S) CABLING/RACEWAY – CEILING OR WALL – SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS CABLING/RACEWAY – BELOW FLOOR/GRADE – SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. JUNCTION BOX – ABOVE ACCESSIBLE CEILING OR AT STRUCTURE IN AREAS WITH NO CEILING JUNCTION BOX – ABOVE ACCESSIBLE CEILING OR AT STRUCTURE IN AREAS WITH NO CEILING ABBREVIATIONS AND NOTES
\$	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-0" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE HOME RUN WITH CIRCUIT NUMBER(S) CABLING/RACEWAY - CEILING OR WALL - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. GUINCTION BOX - ABOVE ACCESSIBLE CEILING OR AT STRUCTURE IN AREAS WITH NO CEILING JUNCTION BOX - WALL (FLUSH IN FINISHED AREAS) CONDUIT UP OR DOWN ABBREVIATIONS AND NOTES ELECTRICAL CONTRACTOR
\$	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-O" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE HOME RUN WITH CIRCUIT NUMBER(S) CABLING/RACEWAY - CEILING OR WALL - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREA CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REQ' JUNCTION BOX - ABOVE ACCESSIBLE CEILING OR AT STRUCTURE IN AREAS WITH NO CEILING JUNCTION BOX - ABOVE ACCESSIBLE CEILING OR AT STRUCTURE IN AREAS WITH NO CEILING ABBREVIATIONS AND NOTES ELECTRICAL CONTRACTOR
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[\$] []) []) []) []] []] []] []] []	FIRE ALARM SYSTEM KEYED TEST SWITCH WITH L.E.D. INDICATOR LIGHT MOUNT NO HIGHER THAN 5'-0" A.F.F. TO THE CENTER OF THE DEVICE FIRE ALARM SYSTEM MANUAL PULL STATION DOOR OPERATORS/DEVICES DOOR BELL WITH TRANSFORMER & PUSHBUTTONS AS SPECIFIED UNDER SPEC. SECTION 16810 FLUSH PUSHBUTTON FOR DOOR CHIME OR DOOR BELL (SEE SPEC. SECTION 16810) RACEWAY/WIRE/CABLE HOME RUN WITH CIRCUIT NUMBER(S) CABLING/RACEWAY - CEILING OR WALL - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REG'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREA CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REG'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREA CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REG'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREA CABLING/RACEWAY - BELOW FLOOR/GRADE - SEE SPECS. FOR APPL. CONDUIT/RACEWAY REG' JUNCTION BOX - ABOVE ACCESSIBLE CEILING OR AT STRUCTURE IN AREAS WITH NO CEILING JUNCTION BOX - MALL (FLUSH IN FINISHED AREAS) CONDUIT UP OR DOWN ABBREVIATIONS AND NOTES ELECTRICAL CONTRACTOR ABOVE FINISHED FLOOR (OR GRADE/PAVEMENT WHERE APPLICABLE) TO CENTER OF OUTLET (UNLESS OTHERWISE NOTED) PROVIDE WEATHERPROOF EQUIPMENT/FIXTURE/DEVICE DISTANCE ABOVE FINISHED FLOOR (OR GRADE/PAVEMENT WHERE APPLICABLE) TO CENTER OF OUTLET (UNLESS OTHERWISE NOTED) PROVIDE WEATHERPROOF EQUIPMENT/FIXTURE/DEVICE DISTANCE ABOVE FINISHED FLOOR (OR GRADE/PAVEMENT WHERE APPLIC.) TO CENTER OF OUTLET (UNLESS OTHERWISE NOTED) PROVIDE WEATHERPROOF EQUIPMENT/FIXTURE/DEVICE DISTANCE ABOVE FINISHED FLOOR (OR GRADE/PAVEMENT WHERE APPLIC.) TO CENTER OF OUTLET (UNDLATES ISOLATED GOD. DEVICE (UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS, DO NOT FEED DOWNSTREAM OUTLETS FROM LOAD SIDE TERMINALS OF GFI RECEPTS INDICATES ISOLATED GOD. DEVICE (WAPARITY SIZED ISOLATED/INSULATED OFTHERWISE ON DRAWINGS, DO NOT FREED OD. DEVICE (UNLESS SPECIFICALLY NOTED OTHERWISE ON DR

![](_page_31_Figure_1.jpeg)

ENGINEERS PSC
MECHANICAL /ELECTRICAL ENCINEERS
WWW.KLHENGRS.COM
1538 ALEXANDRIA PIKE, SUITE 11 FT. THOMAS, KENTUCKY 41075 800-354-9783 859-442-8050 859-442-8058 FAX
104 BROWN STREET DAYTON, OHIO 45402 937-220-9700 937-220-9702 FAX
TWO MIRANOVA PLACE, ST. 280 COLUMBUS, OHIO 43215 614-228-2180 614-228-2183 FAX

SEAL:

A PROJECT FOR:

![](_page_31_Picture_5.jpeg)

![](_page_31_Picture_6.jpeg)

CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975

REVISIONS:

No.	Description	Date
Project	No.:	11460
Drawn	By:	
Review	red By:	
Scale:		
Date:		09.02.2011
Filenan	ne:	
SHEET	TITLE:	

![](_page_31_Picture_10.jpeg)

![](_page_31_Picture_12.jpeg)

![](_page_32_Figure_0.jpeg)

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Date:		09.02.2011
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LIGHTING CONTROL DETAILS

![](_page_32_Picture_5.jpeg)

![](_page_33_Figure_0.jpeg)

# (#) <u>RISER CODED NOTES</u>

2. EXISTING METER SHALL REMAIN. COORDINATE NEW CT REC LANDLORD, OWNER AND LOCAL UTILITY COMPANY PRIOR COMMENCEMENT OF WORK AND PROVIDE ALL NECESSARY PROVIDE NAME PLATE TO READ "CHARMING CHARLIE".

1. EXISTING FEEDERS AND CONDUIT SHALL REMAIN.

- 3. PROVIDE (2) PARALLEL SETS OF (4)#250, (1)#2 GND EAC
- 4. EXISTING (LANDLORD PROVIDED) (2) PARALLEL SETS OF EACH IN 2-1/2" CONDUIT SHALL REMAIN.
- 5. EXISTING (LANDLORD PROVIDED) 600AS/3P/500AF, 240V FUSIBLE DISCONNECT SHALL REMAIN. PROVIDE NEW 500A
- 6. EXISTING 600A/3P HEAVY DUTY DISCONNECT (LANDLORD REMAIN. IF LÓCATION IS UNDESIRABLE, RELOCATE AS NE ALL NECESSARY PULL/SPLICE BOXES FOR A COMPLETE A SYSTEM. FIELD VERIFY AND MATCH EXISTING. REFER TO
- 7. RELOCATE EXISTING SWITCHBOARD "KDP1" TO LOCATION TO SCHEDULE ON THIS SHEET FOR MORE INFORMATION. BREAKERS AS REQUIRED. REPLACE EXISTING FLUSH COVE MOUNT COVER.
- 8. PROVIDE (4)#300, (1)#2 GND IN 2-1/2" CONDUIT.
- 9. RELOCATE EXISTING PANEL "A" (FORMERLY LABELED PANE TO LOCATION SHOWN ON PLAN. REFER TO SCHEDULE ON INFORMATION. PROVIDE NEW CIRCUIT BREAKERS AS REQU EXISTING FLUSH COVER WITH NEW SURFACE MOUNT COVE
- 10. RELOCATE EXISTING PANEL "B" (FORMERLY LABELED PANE TO LOCATION SHOWN ON PLAN. REFER TO SCHEDULE ON INFORMATION. PROVIDE NEW CIRCUIT BREAKERS AS REQU EXISTING FLUSH COVER WITH NEW SURFACE MOUNT COVER BREAKERS 1-42.
- 11. EXISTING FEEDERS AND CONDUIT SHALL BE RELOCATED W "B". MAINTAIN EXISTING CONNECTION.
- 12. INSTALL OWNER PROVIDED LC&D SILVER BULLET PANEL,
- T24-12-SM. 13. PROVIDE NEW CONTACTORS IN A NEMA-1 ENCLOSURE.
- 14. PROVIDE NEW TIMECLOCK. REFER TO SPECIFICATIONS FOR
- 15. PROVIDE NEW PLYWOOD TELEPHONE EQUIPMENT BOARD,
- 16. EXISTING (LANDLORD PROVIDED) 1" CONDUIT FOR TELEPHO EXISTING 1" CONDUIT TO NEW TELEPHONE BOARD LOCATIC TELEPHONE/DATA CABLING AS REQUIRED FOR TELEPHONE NO EXPOSED TELEPHONE CABLES IN RETURN AIR PLENUM CONTACT THE LOCAL TELEPHONE COMPANY TO ARRANGE SERVICE IN OWNER'S NAME. COORDINATE EXACT REQUIREM CONSTRUCTION MANAGER AND LANDLORD.
- 17. RELOCATE EXISTING FIRE ALARM CONTROL PANEL AS SHO LANDLORD AND LANLORD FIRE ALARM CONTRACTOR FOR LANDLORD CENTRAL FIRE ALARM SYSTEM AT TENANT'S C

		١	/OLTS_2	208Y/12	207 :	<u>3P</u> 4	W	AIC <u>REFER TO SINGLE-LIN</u>	E DIAGR/	<u>-М</u>	
ING <u>RE</u>	FER TO SINGLE-LINE DIAGRAM	E	BUS AM	PS <u>REE</u>	ER T	<u>0 S</u>	INGLE-LI	NE DIAGRAM MAIN <u>REFER TO SINGLE-LIN</u>	NE DIAGE	RAM	
ROM <u>KD</u>	P1	N	NEUTRAL	<u>  100%  </u>				LUGS <u>REFER TO SINGLE-LI</u>	NE DIAG	RAM_	
СКТ			KVA LO	AD.	СКТ	BKR	СКТ		ŀ	VA LO	AD
BKR	CIRCUIT DESCRIPTION	A	В	С	#	TYP	BKR	CIRCUIT DESCRIPTION	A	В	<u> </u>
20/1	TRACK LTS	0.84			2	EX	20/1	CHANDELIER	1.44		1
20/1	TRACK LTS		1.56		4	EX	20/1	CHANDELIER		1.44	
20/1	TRACK LTS			1.8	6	EX	20/1	CHANDELIER			1.44
20/1	TRACK LTS	0.72			8	EX	20/1	DOWNLTS, CHANDELIER, SCONCE	0.344		
20/1	TRACK LTS		0.96		10	EX	20/1	CASHWRAP PENDANT		0.4	1
20/1	TRACK LTS			0.96	12	EX	20/1	CHANDELIER			0.72
20/1	EX DOWNLIGHTS	0.8			14	EX	20/1	EX DOWNLIGHTS	0.8		1
20/1	EX DOWNLIGHTS		1.1		16	EX	20/1	EX DOWNLIGHTS		0.8	1
20/1	EX DOWNLIGHTS			0.8	18	EX	20/1	EX DOWNLIGHTS			0.8
20/1	EX DOWNLIGHTS	1.35			20	EX	20/1	EX DOWNLIGHTS	1		
20/1	EX DOWNLIGHTS		1.35		22	EX	20/1	SALES GLOBE LT		0.7	
20/1	BOH, CORR LIGHTING			0.744	24	EX	20/1	SALES GLOBE LT			1.4
20/1	OFF, RR LIGHTING	0.186			26	EX	20/1	SIGNAGE	1.2		
20/1	TIMECLOCK		0.5		28	EX	20/1	SIGNAGE		1.2	
20/1	CONTACTOR			0.5	30	EX	20/1	SIGNAGE			1.2
20/1	CONTACTOR	0.5			32	EX	20/1	REC – CEILING	0.72		
20/1	CONTACTOR		0.5		34	EX	20/1	REC – CEILING		0.54	
20/1	SALES GLOBE LT			1.23	36	EX	20/1	REC – CEILING			1.08
20/1	SALES GLOBE LT	1.23			38	EX	20/1	SPARE	0		
20/1	SPARE		0		40	EX	20/1	SPARE		0	
20/1	EM/NL LTS, EXIT SIGNS			0.75	42	EX	20/1	EM/NL LTS, EXIT SIGNS			0.75
								TOTAL CONNECTED KVA BY PHASE	15.5	16.1	22.6
	LUG LOAD: PANEL B	4.34	5.04	8.42				TOTAL CONNECTED AMPS BY PHASE	129	134	188
DE LOCK	( "ON" HARDWARE CONN. KVA C	ALC. KVA						CONN. KVA CALC. KVA			
ING BRI	EAKER LIGHTING 26.9 33	6 (12)	- 5%)				CONTINI	015 - 926 - 116 - (125%)			
		(12)	5%)				HEATING				
	OTHER MOTORS 0	(10)	0%)				NONCON	TINUOUS 10.2 10.2 $(100\%)$			
	RECEPTACIES 774 7	74 (50%	(>10)				KITCHEN				
	Diverse 0 0	, (00% (∩%	() ()				NONCOIN	1/DIVERSE 0 0 (N/A)			
	Diverse 0 0	(∩%	, S					$V_{\Delta} = \frac{5}{541} = \frac{5}{632}$			

MOUNTING       REFER TO       SINGLE-LINE       DIAGRAM       BUS       AMPS       REFER       TO       SINGLE-LINE       DIAGRAM       MAIN       SINGLE-LINE       DIAGRAM       MAIN       REFER       TO       SINGLE-LINE       DIAGRAM       MAIN       REFER       TO       SINGLE-LINE <t< th=""><th>R</th><th>оом</th><th></th><th>÷</th><th>_</th><th>١</th><th>/OLTS</th><th>208Y/12</th><th>20V</th><th>3P 4</th><th>4W</th><th></th><th>AIC <u>REFER TO SINGLE-LI</u></th><th>NE DIAGR</th><th>AM</th><th></th></t<>	R	оом		÷	_	١	/OLTS	208Y/12	20V	3P 4	4W		AIC <u>REFER TO SINGLE-LI</u>	NE DIAGR	AM	
FED FROM $\underline{A}$ NEUTRAL 1002LIGS REFER TO SINGLE-LINE DIAGRAM.NOTELIGS REFER TO SINGLE-LINE DIAGRAM.TIPM BKRCIRCUIT DESCRIPTIONAKVA LOAKVA LOAINTENT CIRCUIT DESCRIPTIONABC# VA LOAKVA LOAKVA LOAEX 20/1SENSORMATIC0.18C# VIP BKRCIRCUIT DESCRIPTIONABC# VIP BKRCIRCUIT DESCRIPTIONABC# VIP BKRCIRCUIT DESCRIPTIONABC# VIP BKRCIRCUIT DESCRIPTIONABC# VIP BKRCIRCUIT DESCRIPTIONAI DOTOLTEOLTEI DOTDIABC	Ν	OUN	ITING <u>R</u>	EFER TO SINGLE-LINE DIAGRAM	_	E	BUS AM	PS <u>Ree</u>	ER 1	10 S	INGLE-L	INE DIAGRAM	MAIN <u>REFER TO SINGLE-I</u>	INE DIAG	RAM	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	F	ED F			-	N	IEUTRA	_ <u>100%</u>					lugs <u>refer to single</u>	LINE DIA	GRAM_	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	N	OTE			-											
IVPBKRCIRCUIT DESCRIPTIONABC#TYPIRRCIRCUIT DESCRIPTIONABEX20/1SPARE002L20/1SENSORMATIC0.180EX20/1REC - FRIDGE00.84EX20/1SENSORMATIC0.180EX20/1REC - MICROWAVE0.51.56EX20/1STEAMER RECEPTACLE1.50EX20/1BACK WRAP0.50.7210EX20/1STEAMER RECEPTACLE1.50.721L20/1CASH WRAP0.72102220/1REC TELEPHONE0.723L20/1CASH WRAP0.7214L20/1REC SERVER0.18720/1SALES REC0.540.7216L20/1REC SERVER0.186EX20/1SALES REC0.540.7220L20/1REC TELEPHONE0.361EX20/1SALES REC0.540.7220L20/1REC TELEPHONE0.363EX20/1SALES REC0.5426EX20/1SPARE004EX20/1SALES REC0.562620/1SPARE005EX20/1SALES REC0.562620/1SPARE006EX20/1SALES REC0032EX	ЖТ	BKR	СКТ				KVA LO	AD	СКТ	BKR	СКТ				KVA LC	DAD
i EX       20/1       SPARE       0       2       L       20/1       SENSORMATIC       0.18         i EX       20/1       REC - FRIDGE       0       0.8       4       EX       20/1       SENSORMATIC       0.18       0         i EX       20/1       REC - FRIDGE       0.68       0.8       1.5       6       EX       20/1       STEAMER RECEPTACLE       0       0         i EX       20/1       BUZZER       0.5       0.5       0.72       10       EX       20/1       STEAMER RECEPTACLE       1.5       0.72         i L       20/1       CASH WRAP       0.72       0.72       12       L       20/1       REC SERVER       0.72       0.72         i L       20/1       CASH WRAP       0.72       0.72       16       L       20/1       REC SERVER       0.18       0.18         j L       20/1       BOH REC       0.72       0.72       16       L       20/1       REC SERVER       0.18       0.18         j EX       20/1       SALES REC       0.54       18       L       20/1       REC TELEPHONE       0.36       0.18         j EX       20/1       SALES REC       0.54	#	TYP	BKR	CIRCUIT DESCRIPTION		A	В	<u> </u>	#	TYP	BKR	CIRCUIT DESC	CRIPTION	A	В	<u> </u>
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1	EΧ	20/1	SPARE		0		1	2	L	20/1	SENSORMATIC	C	0.18		
$ \begin{bmatrix} K & 20/1 \\ EX & 20/1 \\ EX & 20/1 \\ EX & 20/1 \\ EX & 20/1 \\ BUZZER \\ BUZER \\ MAPP \\ DO \\ D \\$	3	EΧ	20/1	REC – FRIDGE			0.8		4	EX	20/1	SPARE			0	
$ \begin{bmatrix} X & 20/1 & BUZZER & 0.5 & 0.7 & 8 & EX & 20/1 & STEAMER RECEPTACLE & 1.5 & 0.72 &$	5	ΕX	20/1	REC - MICROWAVE				1.5	6	EX	20/1	STEAMER RE	CEPTACLE			1.5
EX         20/1         BACK WRAP         0.72         10         EX         20/1         CASH WRAP         0.72         10         EX         20/1         CASH WRAP         0.72         0.72         10         EX         20/1         REC TELEPHONE         0.72         0.72         0.72         12         L         20/1         REC TELEPHONE         0.78         0.72         0.72         14         L         20/1         REC TELEPHONE         0.18         0.18         0.18           5         L         20/1         CASH WRAP         0.72         0.72         16         L         20/1         REC SERVER         0.18         0.18           7         20/1         SALES REC         0.54         18         L         20/1         REC TELEPHONE         0.36         0.36           1 EX         20/1         SALES REC         0.54         0.72         22         L         20/1         REC TELEPHONE         0.36         0.36           5 EX         20/1         SALES REC         0.54         0.54         24         25/1         WATER HEATER         0         0.38           6 EX         20/1         RC SERVER         0         1         28         EX	7	ΕX	20/1	BUZZER		0.5			8	EX	20/1	STEAMER RE	CEPTACLE	1.5		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	9	EX	20/1	BACK WRAP			0.72		10	EX	20/1	MGR OFFICE	REC		0.72	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	11	L	20/1	CASH WRAP				0.72	12	L	20/1	REC TELEPHO	ONE			0.18
5       L       20/1       CASH WRAP       0.72       16       L       20/1       REC SERVER       0.18         9       EX       20/1       SALES REC       0.54       0.54       18       L       20/1       REC SERVER       0.36       0.36         9       EX       20/1       SALES REC       0.54       0.54       18       L       20/1       REC TELEPHONE       0.36       0.36         3       EX       20/1       SALES REC       0.54       0.54       24       25/1       WATER HEATER       0       0.36         5       EX       20/1       REG FIRECEPTACLE       0.36       0.54       24       25/1       WATER HEATER       0       0         6       EX       20/1       REG FIRECEPTACLE       0.36       1       28       EX       20/1       SPARE       0       0         7       EX       20/1       REC SERVER       0       0       32       EX       20/1       SPARE       0 <td< td=""><td>13</td><td>L</td><td>20/1</td><td>CASH WRAP</td><td></td><td>0.72</td><td></td><td></td><td>14</td><td>L</td><td>20/1</td><td>REC AUDIO</td><td></td><td>0.18</td><td></td><td></td></td<>	13	L	20/1	CASH WRAP		0.72			14	L	20/1	REC AUDIO		0.18		
7       20/1       BOH REC       0.54       18       L       20/1       REC SERVER       0.36       0.36         9       EX       20/1       SALES REC       0.54       0.72       0.72       20       L       20/1       REC TELEPHONE       0.36       0.18         1       EX       20/1       SALES REC       0.36       0.72       0.72       22       L       20/1       REC TELEPHONE       0.36       0.18         3       EX       20/1       SALES REC       0.36       0.36       0.54       24       25/1       WATER HEATER       0       0         5       EX       20/1       RTU SERVICE RECEPTACLE       0.36       1       28       EX       20/1       SPARE       0       0         9       EX       20/1       RTU SERVICE RECEPTACLES       0       1.26       30       EX       20/1       SPARE       0       0         1       EX       25/2       SPARE       0       0       34       1       0       0       35       1       0       0       0       34       1       0       0       0       34       1       0       0       0       38	15	L	20/1	CASH WRAP			0.72		16	L	20/1	REC SERVER			0.18	
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1       EX       20/1       SALES REC       0.72       22       L       20/1       REC TELEPHONE       0.18         3       EX       20/1       SALES REC       0.36       0.36       0.54       24       25/1       WATER HEATER       0.18         5       EX       20/1       RR GFI RECEPTACLE       0.36       1       28       EX       20/1       SPARE       0<	19	EΧ	20/1	SALES REC		0.54			20	L	20/1	REC TELEPHO	ONE	0.36		
3       EX       20/1       SALES REC       0.36       0.36       0.36       0.36       0.36       1       26       EX       20/1       SPARE       0	21	EX	20/1	SALES REC			0.72		22	L	20/1	REC TELEPHO	ONE		0.18	
5       EX       20/1       RR GFI RECEPTACLE       0.36       1       26       EX       20/1       SPARE       0       0         7       EX       20/1       RTU SERVICE RECEPTACLES       0       1       1.26       30       EX       20/1       SPARE       0 <td>23</td> <td>EX</td> <td>20/1</td> <td>SALES REC</td> <td></td> <td></td> <td></td> <td>0.54</td> <td>24</td> <td></td> <td>25/1</td> <td>WATER HEAT</td> <td>ER</td> <td></td> <td></td> <td>2</td>	23	EX	20/1	SALES REC				0.54	24		25/1	WATER HEAT	ER			2
7       EX       20/1       EWC REC       RTU SERVICE RECEPTACLES       1       1.26       30       EX       20/1       SPARE       0       0       0       0       5       20/1       SPARE       0       0       0       0       32       EX       20/1       SPARE       0       0       0       0       32       EX       15/2       SPARE       0       0       0       0       34       1       0       0       0       0       0       0       36       EX       15/2       SPARE       0	25	ΕX	20/1	RR GFI RECEPTACLE		0.36			26	EX	20/1	SPARE		0		
9       EX       20/1       RTU SERVICE RECEPTACLES       0       1.26       30       EX       20/1       SPARE       0       0         1       EX       25/2       SPARE       0       0       32       EX       15/2       SPARE       0       0         5       EX       15/2       SPARE       0       0       36       EX       15/2       SPARE       0       0       0       0       38       1       1       1       0	27	EΧ	20/1	EWC REC			1		28	EX	20/1	SPARE			0	
1       EX       25/2       SPARE       0       0       32       EX       15/2       SPARE       0       0       0       34       1       1       SPARE       0       0       0       0       34       1       1       SPARE       0       0       0       0       34       1       1       SPARE       0       0       0       36       EX       15/2       SPARE       0       0       0       0       36       EX       15/2       SPARE       0	29	EX	20/1	RTU SERVICE RECEPTACLES				1.26	30	EX	20/1	SPARE				0
3       1       SPARE       0       34       34       1       15/2       SPARE       0       0       36       57       1       15/2       SPARE       0       0       36       58       1       15/2       SPARE       0       0       0       36       58       1       15/2       SPARE       0       0       0       0       36       58       1       15/2       SPARE       0	31	ΕX	25/2	SPARE		0			32	EX	15/2	SPARE		0		
5       EX       15/2       SPARE       0       36       EX       15/2       SPARE       0       0       36       EX       15/2       SPARE       0       0       0       36       EX       15/2       SPARE       0	33						0		34						0	
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1       I       0       42       I       Image: Constraint of the second	39	EΧ	15/2	SPARE			0		40	EX	15/2	SPARE			0	
Image: Constraint of the second sec	41							0	42							0
TOTAL CONNECTED AMPS BY PHASE     36.2     42												TOTAL CONN	NECTED KVA BY PHASE	4.34	5.04	8.42
												TOTAL CONNE	ECTED AMPS BY PHASE	36.2	42	70.2
	41							0	42			TOTAL CONN	NECTED KVA BY PHASE ECTED AMPS BY PHASE	4.34	5.04 42	
	-X=	EXIS	SING BR	LIGHTING 0		(12	- 5%)				CONTINU	JOUS 2	.16 2.7 (125%)			
(= EXISTING BREAKER LIGHTING 0 (125%) CONTINUOUS 2.16 2.7 (125%)				LARGEST MOTOR 0	0	(12	5%)				HEATIN	G O	0 (100%)			
LIGHTING 0 0 (125%) CONTINUOUS 2.16 2.7 (125%) LARGEST MOTOR 0 0 (125%) HEATING 0 0 (100%)				OTHER MOTORS 0	Ō	(10	0%)				NONCON	NTINUOUS 10	0.2 10.2 (100%)			
LIGHTING 0 0 (125%) CONTINUOUS 2.16 2.7 (125%) LARGEST MOTOR 0 0 (125%) HEATING 0 0 (100%) OTHER MOTORS 0 0 (100%) NONCONTINUOUS 10.2 10.2 (100%)				RECEPTACLES 5.4	5.4	(50%	>10)				KITCHEN	N EQUIP 0	0 (N/A)			
LIGHTING 0 0 (125%) CONTINUOUS 2.16 2.7 (125%) LARGEST MOTOR 0 0 (125%) HEATING 0 0 (100%) OTHER MOTORS 0 0 (100%) NONCONTINUOUS 10.2 10.2 (100%) RECEPTACLES 5.4 5.4 (50%>10) KITCHEN EQUIP 0 0 (N/A)				Diverse 0	0	(0%	3)				NONCO	N/DIVERSE 0	0 (N/A)			
LIGHTING 0 0 (125%) CONTINUOUS 2.16 2.7 (125%) LARGEST MOTOR 0 0 (125%) HEATING 0 0 (100%) OTHER MOTORS 0 0 (100%) NONCONTINUOUS 10.2 10.2 (100%) RECEPTACLES 5.4 5.4 (50%>10) KITCHEN EQUIP 0 0 (N/A) Diverse 0 0 (0%) NONCOIN/DIVERSE 0 0 (N/A)				Diverse 0	Ō	(0%	á				TOTAL	KVA 1	7.8 18.3			
LIGHTING         0         0         (125%)         CONTINUOUS         2.16         2.7         (125%)           LARGEST MOTOR         0         0         (125%)         HEATING         0         0         (100%)           OTHER MOTORS         0         0         (100%)         NONCONTINUOUS         10.2         10.2         (100%)           RECEPTACLES         5.4         5.4         (50%>10)         KITCHEN EQUIP         0         0         (N/A)           Diverse         0         0         (0%)         TOTAL KVA         17.8         18.3					-	(-n	,					•••	··			

AC E	LECTRICAL COORDINAT		CHEDU	LE																			
EVIATIO	IS		CONTR	ACTOR TYP	ΡE				MOTOR	CONTRO	L TYPE			ICONTROL TYPE									
L	CAL DISCONNECT		EC	ELECTRIC	CAL CON	ITRACTOF	2		CS	COMB	INATION	STARTER		TC 1	IMECLOCK								
M	DTOR CONTROL (POWER)		EX	EXISTING	3				мсс	мото	R CONTR	ROL CENTER		CPT C	CONTROL POWER TRANSFORMER								
D	ICT SMOKE DETECTOR		FC	FIRE PROTECTION CONTRACTOR			MG MAGNETIC STARTER OR CONTACT			BAS E	UILDING AUT	MATION SYS	TEM										
C	INTROLS		GC	GENERAL CONTRACTOR MS			MS MANUAL STARTER			LOW L	OW VOLTAGE	CONTROLS											
т	OGGLE SWITCH		нс	HVAC CONTRACTOR			VFD	VARIA	BLE FRE	QUENCY DRI	VE	LINE L	INE VOLTAGE	CONTROLS									
H.	A.C.R. CIRCUIT BREAKER AT SOURCE	PANELBOA	RDMFR	MANUFA	CTURER				MSR	MANU	AL STAF	RTER W/CON	ROL RELAY	RLINE F	REVERSE ACTI	NG LINE VOL	TAGE STAT						
Fl	ISE AT LOCAL DISCONNECT (VERIFY F	TELD RATIN	IG) PC	PLUMBIN	IG CONT	RACTOR			ov	OVER	CURRENT	PROTECTION	1	MAN N	IANUAL								
O	PERATING FULL LOAD AMPS		OR	OWNER	OR OTHE	ERS								FA F	IRE ALARM								
М	NIMUM CIRCUIT AMPACITY													CO C	ARBON MONO	XIDE SENSOF	र						
C	ORD AND PLUG CONNECTION														NTEGRAL TO	QUIPMENT							
	DESCRIPTION	VOLTS	PHASE	EMERG	BHP	HP	HTG KW	WATTS	FLA	MCA	DCP	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	SD QUAN
	EXHAUST FAN	120	1			1/25						MFR	MFR	MFR	MG	MFR	MFR	MFR	MAN	EC	EC	EC	0
TU-1	EXIST. ROOFTOP UNIT	208	3				4.9		35.4	43	45	EX	EX	EX	EX	EX	EX	EX	LOW	HC	HC	HC	1
TU-2	EXIST. ROOFTOP UNIT	208	3				4.9		35.4	43	45	EX	EX	EX	EX	EX	EX	EX	LOW	HC	HC	HC	1
TU-3	EXIST. ROOFTOP UNIT	208	3				3.3		28.4	34.8	35	EX	EX	EX	EX	EX	EX	EX	LOW	HC	HC	HC	1
TU-4	EXIST. ROOFTOP UNIT	208	3				4.9		35.4	43	45	EX	EX	EX	EX	EX	EX	EX	LOW	HC	HC	HC	1
TU-5	EXIST. ROOFTOP UNIT	208	3				4.9		35.4	43	45	EX	EX	EX	EX	EX	EX	EX	LOW	HC	HC	HC	1
TU-6	EXIST. ROOFTOP UNIT	208	3				4.9		36.4	43.7	45	EX	EX	EX	EX	EX	EX	EX	LOW	HC	HC	HC	1
TU-7	EXIST. ROOFTOP UNIT	208	3				4.9		35.4	43	45	EX	EX	EX	EX	EX	EX	EX	LOW	HC	HC	HC	1

		RISER GENERAL NOTES				
QUIREMENTS WITH TO BID AND FOUIPMENT FTC	A.	PARALLEL FEEDER CONDUCTORS SHALL BE CUT TO EXACTLY THE SAME LENGTHS AND SHALL BE FROM THE SAME FACTORY RUN. ALL CONNECTIONS FOR SAME SHALL BE TORQUED TO IDENTICAL VALUES.				
EQUIPMENT, ETC.	в.	EXTERIOR ELECTRICAL WORK SHALL NOT ONLY BE WEATHERPROOF AND WATER-TIGHT, BUT SHALL ALSO BE RUST-RESISTANT.				
CH IN 2-1/2" CONDUIT. (4)#250, (1)#2 GND	C.	CONDUCTORS BELOW GRADE OR SUBJECT TO MOISTURE SHALL BE "XHHW-2".				
NEMA-3R HEAVY DUTY FUSES AS REQUIRED.	D.	PROVIDE FACTORY SERIES COORDINATION FOR ALL CIRCUIT BREAKERS (INCLUDING ALL BRANCH BREAKERS), RELATIVE TO "UPSTREAM" BREAKERS, SO THAT ONLY THE BREAKER CLOSEST IN THE CIRCUIT TO THE LOAD TRIPS UPON AN OVERLOAD OR FAULT CONDITION.				
EDED AND PROVIDE AND FUNCTIONAL GENERAL NOTE A. SHOWN ON PLAN. REFER PROVIDE NEW CIRCUIT ER WITH NEW SURFACE	E.	POWER DISTRIBUTION EQUIPMENT SUPPLIER SHALL PROVIDE EQUIPMENT APPROPRIATELY RATED AND BRACED TO ACCOMMODATE THE AVAILABLE FAULT CURRENT AT THE UTILITY COMPANY TRANSFORMER SECONDARIES. THIS SUPPLIER SHALL ACCORDINGLY PROVIDE ANY RELATED CALCULATIONS SO THAT THEIR EQUIPMENT IS PROPERLY COORDINATED FOR THE AVAILABLE FAULT CURRENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THIS SUPPLIER WITH COPIES OF THE ELECTRICAL DOCUMENTS AS REQUIRED SO THAT PROPERLY RATED/BRACED EQUIPMENT IS PROVIDED UNDER BASE BID.				
EL "LP1, SECTION 1") THIS SHEET FOR MORE UIRED. REPLACE R.	F.	GROUNDING ELECTRODE CONDUCTORS SHALL BE PROVIDED IN STRICT COMPLIANCE WITH N.E.C., INCLUDING N.E.C. ARTICLE 250 AND TABLE 250-66. THESE CONDUCTORS MAY NOT BE INDICATED ON RISERS OR SINGLE-LINES, BUT SHALL BE PROVIDED UNDER BASE BID NEVERTHELESS.				
LL LPT, SECTION 2") THIS SHEET FOR MORE UIRED. REPLACE R. RENUMBER CIRCUIT	G.	EQUIPMENT GROUNDING CONDUCTORS SHALL BE PROVIDED IN STRICT COMPLIANCE WITH N.E.C., INCLUDING N.E.C. ARTICLE 250 AND TABLE 250–122. THESE CONDUCTORS MAY NOT BE INDICATED ON RISERS OR SINGLE-LINES, BUT SHALL BE PROVIDED UNDER BASE BID NEVERTHELESS.				
MODEL NUMBER R MORE INFORMATION. 4'W x 4'H x 3/4"TH.	н.	WORKING CLEARANCES SHALL BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT (SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, STARTERS, DISCONNECTS, ETC. AS APPLICABLE) IN STRICT COMPLIANCE WITH N.E.C. CHAPTER 1, PART B, SECTION 110-26(a). LOCATIONS SHOWN ON FLOOR PLANS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH THE ABOVE N.E.C. REFERENCE. THIS REQUIREMENT APPLIES TO EQUIPMENT ON FLOOR PLANS AS WELL AS TO EQUIPMENT SHOWN ON RISER.				
ONE/DATA. EXTEND ON. PROVIDE ALL E AND DATA SERVICES. IS. E.C. SHALL FOR TELEPHONE MENTS WITH	I.	HOLD ALL NEW OVERHEAD ELECTRICAL WORK AS TIGHT AS POSSIBLE TO THE BOTTOM OF THE OVERHEAD STRUCTURE. LOCATE ANY RELATED PULLBOXES SO THAT THEY WILL BE FULLY ACCESSIBLE AFTER ALL CONSTRUCTION WORK IS COMPLETE. AS WITH ALL WORK, COORDINATE IN ADVANCE WITH ALL OTHER TRADES.				
OWN. COORDINATE WITH FINAL TIE-IN TO OST.	J.	ROUTE FEEDER CONDUITS BELOW GRADE WHEREVER POSSIBLE. VERY LIMITED SPACE EXISTS ABOVE ACOUSTICAL TILE CEILINGS AND MANY, IF NOT MOST, OF THE SPACE ABOVE THE GYPSUM BOARD CEILINGS IS NOT AVAILABLE FOR RUNNING CONDUIT. STUDY ALL ARCHITECTURAL, STRUCTURAL & MECHANICAL DRAWINGS VERY CAREFULLY BEFORE LAYING OUT FEEDER ROUTES.				
	к.	ALL PANELS HAVE NEMA 1 ENCLOSURES UNLESS NOTED OTHERWISE.				
	L.	E.C. SHALL BE RESPONSIBLE FOR BALANCING ALL PHASES LOADS TO WITHIN 10%.				
	м.	PROVIDE HACR CIRCUIT BREAKER FOR ALL MOTOR LOADS.				

	K	
	KOHRS LONNEMANN HEIL	
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	859-442-8050 859-442-8058 FAX	
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	TWO MIRANOVA PLACE, ST. 280 COLUMBUS, OHIO 43215 614-228-2180 614-228-2183 FAY	
	614-220-2103 FAA	
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A PROJE	CT FOR:	

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![](_page_33_Picture_26.jpeg)

CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975

**REVISIONS:** 

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# ELECTRICAL **RISER DIAGRAM AND** PANELBOARD SCHEDULES

![](_page_33_Picture_33.jpeg)

### GENERAL REQUIREMENTS

The General Provisions of the Contract including any General and Supplemental Conditions and General Requirements apply to the work in this section. Before submitting a bid, examine all Mechanical, Architectural, and/or Structural documents, visit the site and get acquainted with all conditions that may in any way whatsoever affect the execution of this contract. Take measurements and be responsible for exact size and locations of all openings required for the installation of work. Figured dimensions are reasonably accurate and should govern in setting out work. Where detailed method of installation is not indicated or where

The contract includes all items of material and labor required for the complete installation and full operation of the electrical work as shown on the drawings and hereinafter specified. All work, materials, and equipment shall have a one year warranty after acceptance of the work by the Owner. Any defective items shall be removed and replaced at the electrical sub-contractor's expense and to the satisfaction of the Engineer

variations exist between described work and approved practice, direction of the Owner's representative on job site shall be followed.

Perform work under this contract in close harmony with other contractors so completed work shall present a neat and workmanlike installation. Exposed finished materials and equipment shall be carefully cleaned and wiped to remove arease, smudges, dust and other spots and left smooth and clean. During the progress of the work, the electrical sub-contractor shall carefully clean up after his men and shall leave the premises and all portions of the building in which he is working free of debris and in a clean and safe condition.

Tighten electrical connectors and terminals, including screws and bolts, in accordance with equipment manufacturer's published torque tightening values for equipment connectors. Where manufacturer's torquing requirements are not indicated, tighten connectors and terminals to comply with tightening torques specified in applicable UL and NEC Standards.

Whenever the words "contractor", "this contractor", etc. appear on drawings or in these specifications for the Electrical Work, it shall refer to the Electrical Sub-Contractor. Whenever the word "provide" appears in these documents, it shall be interpreted to mean "Furnish & Install".

Outlet mounting heights as indicated on the plans are approximate to be used for bidding purposes only. The exact mounting height of outlets shall be determined in the field with relation to architectural details and equipment being served. It shall be the responsibility of this contractor to coordinate outlet location with equipment. The Owner's representative shall be permitted to relocate any outlet prior to installation within a 15 foot limit at no additional charge in contract price. All fasteners, hangers and methods of hanging exposed work in finished areas shall be submitted to the Owner's representative for approval before installation. If during construction if becomes apparent that certain minor changes in layout will effect a neater job or better arrangement, such alterations shall be made as part of the contract. Engineer's approval shall be obtained before making such changes. Workmanship throughout shall conform to the standards of best practice. Marks, dents or finish scratches will not be permitted on any exposed materials, fixtures or fittings. Inside of panels & equipment boxes shall be left clean.

The system shall ring entirely free from ground when tested out in the presence of the Owner's representative. This contractor shall be responsible for the proper instruction of each system to the satisfaction of the Owner's representative. Upon completion of the job, this contractor shall furnish the Owner with a complete set of operating instructions on all electrical systems installed.

The Electrical Contractor shall consult the plans of all other trades in all instances before installing his work so that his piping will not interfere with those branches. In the event of a conflict, this contractor shall report to the Owner's representative at once and do no further work to be installed until a satisfactory arrangement is decided upon. Any work done, or equipment placed in position by this contractor, creating a conflict in violation hereof, shall be readjusted to the satisfaction of the Owner's representative at the expense of the contractor. The decision of the Owner's representative shall be final in regard to changes due to conflicting conditions.

### TEMPORARY ELECTRIC SERVICE

Unless directed otherwise, the general contractor will pay for all current for all trades during construction.

The electrical contractor shall provide and maintain all power lines (including circuit protection, physical protection, grounding, etc.) to the temporary offices of all trades requiring same, extending from the temporary electrical service. Where applicable, provide temporary security site lighting as required and/or as directed in field.

Make all necessary arrangements with local utility companies for temporary electrical service and pay all associated fees for inspections, connections, initiation, etc.

Power may be derived from the existing building electrical systems. Coordinate carefully in advance with the owner and do not permit any electric welders to be used from any building service.

Electrical contractor shall furnish all temporary light (including lamps) and power complete with all wiring and similar equipment as required, for all work on the site and within the affected buildings during the construction period. Feeders shall be properly fused and ground fault protected per N.E.C. and per all authorities having jurisdiction. Feeders and lamps shall be physically protected along their entire length. Temporary branch circuit wiring shall be installed per NEC in each area with outlets on minimum ten foot centers to accommodate lamps and with receptacles on nominal fifty foot centers to accommodate extension cords provided l by the contractor in need of them.

The electrical contractor shall furnish and maintain all lamps required for the duration of the job. Sufficient sockets and circuit capacity shall be provided for all construction areas. A minimum of 10 foot candles of illumination shall be maintained in all spaces or as required by OSHA.

Provide all necessary specialty temporary power and/or supplementary light for all trades requiring same. At the conclusion of the project, all temporary electric service materials shall be removed by the electrical contractor and become the property of same. SHOP DRAWINGS

The contractor shall submit shop drawings on all items of material and equipment for approval by the Engineer. The contractor is not authorized to purchase any material until such approval is obtained. A minimum of six separate sets of drawings is required and will be distributed as follows: 1 copy for Engineer's file; 1 copy for Architect's file; 2 copies for the Owner's file; 2 copies for the contractor. Shop drawings shall be neatly bound in a flat ring binder having job name and contractor's name on cover. A single submission is preferred having all items included. Loose sheet or incomplete submittals will not be accepted. All items of material to be supplied which do not require shop drawing submission such as conduit, wire, boxes, etc., shall be listed as separate material showing manufacturer's name and catalog number and type and shall be included with shop drawings submittal.

RECORD DRAWINGS AND OPERATING INSTRUCTIONS & SERVICE MANUAL

Two sets of mechanical/electrical drawings shall be provided as record drawings which shall be separate, clean, sepia reproducibles reserved for the purpose of showing a complete picture of the work as actually installed. These drawings shall also serve as work progress report sheets and the electrical sub-contractor shall make any notations, neat and legible thereon daily as work proceeds. The drawings shall be available for inspection at all times and shall be kept at the job at a location designated by the Owner's representative. At the completion of the work, these record drawings shall be signed by the electrical sub-contractor, dated and returned to the Owner's representative. Final payment of contract will not be made until receipt and review of said drawings. Provide two neatly bound (with tabbed sections) copies of maintenance and instruction books, parts list pertaining to all equipment furnished. Submit to the Owner's representative for approval. Final payment will not be made until drawings for record, maintenance and instruction manuals are delivered to the Owner's representative.

### PERMITS AND REGULATIONS

The latest edition of the National Electric Code shall be the minimum requirement for all work. All electrical materials used in this work and all workmanship and tests performed therein, unless specifically specified shall conform to the latest rules and regulations and specifications of the National Board of Fire Underwriters, local and state codes and authorities having jurisdiction and utility company. Examine the drawings and specifications for compliance with prevailing codes, regulations and ordinances and base bid and work accordingly. Any minor discrepancy between these drawings/specifications and codes, laws, ordinances, rules and regulations shall be corrected by this contractor as required without any additional reimbursement. Major discrepancies shall immediately be brought to the attention of the engineer (in writing), prior to installation, along with the contractor's proposed cost for correction. This contractor shall obtain and pay for all permits or certificates of inspection and approval required for this branch of the work. Owner shall be furnished with certificates of final inspection and approval prior to final acceptance of this branch of the work.

### DRAWINGS AND SPECIFICATIONS

The specifications and accompanying drawings are intended to describe the scope of all electric/mechanical work. The drawings are an outline to indicate the approximate location and arrangement of raceways, wiring and equipment. The drawings shall be followed as closely as possible in executing of the work. Should there be a conflict between drawings and specifications, this contractor shall refer the matter to the Owner's representative for a decision as to method or material. Electrical Contractor shall refer to drawings of all other trades for details, dimensions and locations of other work and route his work so as not to conflict with any other branch. This contractor shall be responsible for checking quantities of equipment mentioned in the specifications with those shown on the drawings. If discrepancies are noted, provide the greater of the quantities or the better of the aualities as applicable.

### MATERIALS AND EQUIPMENT

All materials and equipment shall be new. All materials, apparatus and equipment shall bear the Underwriter's Laboratories Inc., label where regularly supplied. Certain manufacturers of material and equipment are specified and plans are detailed according to this material. This contractor shall base his bid on furnishing and installing this make of material and equipment. Where more than one make of material or equipment is specified, the contractor shall state in his bid which make he proposes to furnish.

### ELECTRICAL IDENTIFICATION

Provide manufacturer's standard self-adhesive vinyl tape not less than 3 mils thick by 1-1/2" wide. Where applicable, install on all concealed raceways at connection to all junction boxes, pull boxes, equipment, wall/floor/, etc. Unless otherwise indicated or required by governing regulations, provide orange tape with black letters.

Provide circuit identification bands for all cables and conductors. Provide manufacturer's standard color coding for cable/conductor jacket and/or insulation for all cables and conductors of all systems. Match identification with marking system used in existing systems (where applicable), shop drawings, contract documents, and similar previously established identification for project's electrical work. Provide on all conductors of all systems.

Install engraved plastic-laminate sign on major units of electrical equipment, including central or master unit of each electrical system including communication/control/signal systems, unless unit is specified with its own self-explanatory identification or signal system. Except as otherwise indicated, provide single line of text,  $1/2^{\circ}$  high lettering, on  $1-1/2^{\circ}$  high sign (2° high where 2 lines are required), white lettering in black field. Unless determined otherwise in field, provide text matching terminology and numbering of the contract documents and shop drawings. Secure to substrate with fasteners, except use adhesive where fasteners should not or cannot penetrate substrate. As a minimum provide signs for each unit of the following categories of electrical work where such work exists on the project all starters and disconnects; All remote fixture or equipment switching devices (via engraved wallplates); All System devices, ports, taps, J.B.'s, P.B.s, etc.; Panelboards, electrical cabinets ; Any other equipment designated by Owner or engineer in field

All equipment & system identification nomenclature shown on drawings or listed herein is shown for general design and installation reference only. The actual nameplate, etc. nomenclature for this project shall be verified by electrical contractor in field prior to fabrication and where applicable, shall be an extension of existing nomenclature used on the site as determined in field by electrical contractor.

In addition to the above, all labeling for all electrical wiring work (for all systems) shall be 3M DCl No. 054007-11954 "SWD" Write—on Tape Dispenser Kit with factory provided special fast drying marker included with kit. All markings shall be clear and

As determined in field, provide color coding for junction boxes, pull boxes and associated plates to match existing building standards. The following insulation color code shall be used for system and voltage identification for feeder and branch circuit wiring.

277/480V System - Brown, Orange, Yellow & Gray (neutral 120/208V System - Black, Red, Blue & White (neutral)

Equipment Grounding – Green Systems - To match existing, verify in field.

### GROUNDING

All metallic conduit, surface wireways, supports, cabinet and equipment shall be arounded in accordance with the latest issue o the National Electrical Code and shown on plans. The ground terminals of receptacles shall be connected to the equipment ground bus of the source branch circuit panelboard. All grounding conductors shall be protected from mechanical injury. All connections to equipment or conduit shall be make with an approved conductor and same shall be bolted or clamped to equipment and conduit. All contact surfaces shall be thoroughly cleaned and bright before connections to insure a good metal

All new branch circuiting installed under this contract shall be provided with redundant insulated parity sized green ground wire by this contractor, installed in strict accordance with NEC Article 517. This contractor shall field test all exposed conductive surfaces in all new "Patient Vicinity" areas, and provide all necessary corrective work (if any) to comply with grounding requirements of NEC Article 517. Provide documentation of all testing results to engineer and state electrical inspecto

### 9. CONDUIT AND FITTINGS

120/208V)

Only voice and data cables may share raceways.

All wiring run in finished spaces shall be run in Wiremold surface steel raceway. drawings

Conduit runs exceeding 100 feet in length or having in excess of three 90 degree turns shall be provided with pull boxes. Conduit

fill shall not exceed 30 percent. All conduit systems (including J.B.'s, P.B.'s, etc.) shall be permanently identified. New branch WIRE AND CABLE circuit home—run conduits shall be no larger than 1—1/4" diameter. Conduit fill shall not exceed NEC requirements. Furnish and install all necessary cable of the size and type indicated on the drawings or specified hereinafter. All wire shall be Conduit shall be cleaned inside before any wires are pulled. Conduit ends shall be capped and plugged with standard accessories a copper. All wiring shall be new. No wire smaller than #12 AWG shall be installed unless specifically designated. Use of #14 soon as conduit has been permanently installed. Conduit installed without conductors shall be provided with sweep bends and color coded wire will be allowed for control circuits only." All wiring shall be in conduit unless specifically indicated otherwise balina wire for pullina. herein. All conductors shall be copper. Provide stranded conductors for all sizes unless indicated otherwise.

All joints shall be made tight with watertight couplings matching conduit and all corners shall be make with long radius. The ends Provide THHN/THWN insulation for all conductors size 500 MCM (kcmil) and larger, and no. 8 AWG and smaller. For all other of all conduits shall be cut square and reamed and all joints brought to a shoulder. Conduit shall be continuous between outlets sizes provide THW or THHN/THWN insulation as appropriate for the locations where installed. Provide color coded to make a complete installation and to effect a continuous ground. Suitable supports and fastening shall be provided for conduit. insulation/jacket for phase identification. All wires shall be rated at 600 volts. Conduit shall be supported by approved straps, fasteners and hangers. Hangers shall be suspended from rods. Perforated straps Provide type XHHW-2 insulation for all wiring subject to moisture, for all wiring below grade and for all wiring fed from isolated will not be acceptable. Fasteners shall be lead expansion shields in block or concrete, toggle bolts in hollow walls, machine screws power systems. on metal surfaces and wood screws on wood construction. All conduit shall be supported independently from all other building

systems and shall be supported directly from structural components.

Provide sleeves for all fire wall and smoke partition penetrations (sealed accordingly). All raceways shall be entirely free of plaster, mortar, water and other foreign matter. Raceways installed under this contract without conductors shall have baling wire left in raceways from outlet to outlet for future pulling of conductors. Raceways open ends shall be plugged or capped in an approved

Where "fishing" through existing hollow partitions is mandatory, use minimum 3/4" "Greenfield" (steel) for low voltage cabling and metal-clad/armored cable (listed for use in health care facilities) for power. Otherwise type MC/AC cable may only be used for 6' fixture whips, unless case—by—case permission is granted by engineer and owner.

### METHOD OF WIRING - POWER

SPECIFICATION GRADE RECEPTACLES: Neatly dress all work. Install all work parallel and perpendicular to surfaces or exposed structural members, and follow surface contours, where possible. Keep conductor splices to minimum. Install splice and tap connectors which possess equivalent or Duplex receptacles shall be equal to Leviton #5362 series (NEMA 5-20R). better mechanical strength and insulation rating than conductors being spliced. Use splice and tap connectors which are compatible with conductor material. All wires shall be run continuous from outlet to outlet/fixture to fixture. Insulation value of Ground fault circuit interrupter duplex receptacles shall be equal to Leviton #8899 series (NEMA 5-20R). ioints to be 100% in excess of wire. Provide adequate length of conductors within electrical enclosures and train the conductors to terminal points with no excess. Bundle multiple conductors, with conductors larger than no 10 AWG cabled in individual circuits. Duplex isolated ground receptacles shall be equal to Leviton #5362-IG. Make terminations so there is no bare conductor at the terminal. SWITCHES:

Branch subfeeder circuits shall be installed as shown on the floor plans. Where outlets are indicated by letters on plans, they shall be controlled by corresponding switches. No wire size smaller than No. 12 shall be used for any branch circuit unless otherwise noted on plans for control circuits. Larger sizes shall be used where required and/or indicated on the plans. Distances from panel to first outlet of a 15 or 20 ampere branch circuit shall require the following minimum wire size to the first outlet.

All branch circuits more than 200 feet in length shall be minimum No. 10 to the last outlet. Control circuits shall be No. 14 except for runs exceeding 300 feet where they shall be No. 12. Outlets shall be located approximately as shown on the plans and shall be wired to provide control of outlets indicated. All wires of any one circuit shall be run in the same conduit.

All wires shall be run continuous from outlet to outlet. Insulation value of joints to be 100% in excess of wire. Mechanical wir splicers shall be Scotchlock insulated type, T&B Stakon or approved equal. The conductors terminating at each wired outlet shall be left not less than 8" long at their outlet fittings to facilitate installment of devices of fixtures. Friction and rubber tape conform to Federal Specifications HH—T—11 and HH̃—T—111. Plastic electrical tape shall be Scotch #33+ or approved equal.

Type MC Cable shall be formed from continuous length of spirally wound, interlocked zinc—coated or galvanized (inside & outside strip steel. All conductors shall be rated for 90 deg. C. minimum. Provide with full parity sized green insulated equipment ground conductor. Provide compatible steel fittings with integral red plastic insulated throat bushings, compliant with NEC 350-5. Cables shall be 90 deg. C. rated with all components and fittings listed for grounding and compliant with the following.

a) UL Std.4 and UL Std. 83. b) ANSI E119 and E814.

c) NEC Articles 250 and 333.

Type MC cable may be utilized only if NEC approved and if approved by local authority having jurisdiction and if included in the imited applications defined below.

1) All new 15 or 20 ampere branch circuit work. This shall apply only under all of the following circumstances and conditions

All surface mounted ballasted fixtures shall be mounted with air spaces between fixture and surface per latest edition of a) Only where concealed (all exposed wiring shall be installed in conduit). NFPA/NEC. All recessed fixtures shall be equipped with necessary plaster frames and surface trim. All recessed fluorescent fixtures shall be equipped and suitably constructed to operate with "P" rated ballasts. All recess mounted incandescent and b) Route all cables perpendicular and parallel to the building architectural lines/surfaces/structural members, keeping offsets to H.I.D. fixtures shall have UL approved thermal protection per latest edition of NFPA/NEC. All junction boxes and serviceable minimum and following surface contours where possible. Maintain a uniform elevation for all cable runs wherever possible. All components (ballasts, thermal protection devices, fuses, etc.) for recessed fixtures shall be readily accessible for service or cables shall be supported/anchored at maximum 4 foot intervals and within 12" of box or outlet and shall not sag. Install replacement from below the ceiling, without removing any ceiling components (other than tiles). cables in a manner that prevents overheating. Cables shall be fastened directly to the structure using factory clamps/clips specifically designed for the respective cable (Caddy or equal). Where plaster frames are inferred for lighting fixtures (either by narrative or by catalog number or by application) the actual

11. COMMUNICATION TECHNOLOGY SYSTEMS

Voice and data cables shall be installed in "J-Hook" style pathway where indicated on drawings. All other wiring/cables of voice/data systems and all other systems shall be installed in conduit, 1" minimum. Verify route for "J-Hook" work above ceiling

Provide low energy solid state rapid start electronic fluorescent lamp ballasts (less than or equal to 20% THD) specifically designed for operating lamp types indicated. Fluorescent ballasts shall be Motorola or Advance equal. Provide outlet boxes and conduit stubs for systems as indicated on drawings. Conduit stubs shall be turned out in joist space and, where located in areas with drywall ceilings, shall be extended to the nearest area with no ceiling or with acoustical tile All fixtures shown on drawings with multi-level switching shall be provided with multiple ballasts to accommodate same. All ceiling. Provide conduit, bridle rings and raceways as required. All conduits shall be provided with sweep "L" 90's and insulated other fixtures may contain either single ballasts or multiple ballasts as required to fulfill required function and as required to throat fittings (or bushings). comply with construction schedule

Typical outlets shall consist of a flush wall mounted 4" square X 2-1/8" deep box with a double gang plaster ring. Maximum conduit fill for new work shall be 40%, based on manufacture's published data of cable outside diameter Cable, terminations, jacks, labeling, hardware, shall be provided by a certified Communication Technology Contractor. Cabling

Compact fluorescent twin tube/dual twin tube lamps shall be Osram or Philips, 82 CRI, minimum 10,000 hours rated. Long fluorescent twin tube lamps shall be Osram or Philips, 82 CRI, 3150 initial lumens, minimum 20,000 hours rated. Determine exact locations of communication technology equipment, equipment outlets, etc. in field. Use caution not to exceed allowed bending radius for respective cables and not to compromise the integrity of the cables during installation by pulling tie—wraps too tightly, damaging cables, etc. Raceway/Cabling bending radii shall be minimum as directed by cable manufacturer. F32T8 fluorescent lamps shall be rapid start, energy saving type, minimum 75 CRI, minimum 2850 initial lumens and minimum Use pulling compound or lubricant, where necessary; compound must not deteriorate conductor or insulation. Neatly dress all 20,000 hours rated. Lamps shall be Sylvania, Osram or Philips, equal to Sylvania #F032/RS. cable work. Work shall be installed in a manner which results in maintaining a minimum distance of 24 inches from feeder/branch circuit raceways and from any ballasted lighting fixture. All surface and recessed ceiling fixtures installed on grid or tile ceilings shall be installed to agree with module of ceiling either displacing a tile, or unit on center of tile, or centered on grid lines.

Provide color coded jackets to identify runs of different systems. Neatly route cables parallel and perpendicular to building architectural lines. Group cables by system type wherever possible. Verify exact locations of telephone switch, data server(s), nead—end equipment, equipment outlets, etc. in field.

Review all termination and labeling requirements with Owner in advance. All cable shall be provided with permanent adhesive fixtures greater than 2 feet in length at a point in addition to the outlet box fixture stud labeling identification by this contractor. Provide transparent adhesive coverings over each label, wrapped around the labels at least two times. The long axis of the labels shall installed be parallel to the long axis of the respective cable assemblies. Labels Replace defective lamps for a period of one year following the time of Substantial Completion. Where used for temporary lighting prior to time of Substantial Completion, replace all incandescent lighting fixture lamps, as well as any lamps which are defective, shall be approximately 1-1/2" long by 3/8" high. damaged or burned out.

Install power cables in a manner which prevents over-heating. Otherwise, wherever possible, bundle cables of the same system together. Also provide color coded jackets, or other approved labelling/identification method, to identify runs of different systems.

All cables which are not routed in conduit shall be neatly bundled, secured at four foot intervals and identified at ten foot intervals. Wherever possible, bundle cables of the same system together. Conduit sizes (and systems furniture whips where applicable) shall be provided as follows. Provide additional wall outlet boxes and additional whips as/if required at systems urniture to achieve same.

### Diameter Application

(1) 3/4" All Wall Phones

(1) 1" All Wall Tech. Outlets at Individual Desks or tables All Wall Tech. Outlets at Individual Work Stations, PC's, Copiers, Faxes, etc. Ceiling cavities will not be used as environmental air plenums.

"J—Hook" Pathways

Cable distribution bridle rings shall be equal to Caddy #4BRT64 or Mono-Systems Inc. "The Hook" (minimum 4" diameter or 4" square usable internal area) constructed of aluminum or corrosion resistant steel with rolled edges or equivalent to prevent damage to cable jackets and insulation. Provide splits or openings so that cables can be laid in the rings rather than threaded through. Provide maximum 30% fill (in cross section), based on outside diameter of cables. Accordingly, provide multiple sets of rings along any routes as/if required.

Fire alarm system devices (smoke detectors, pull stations, bells, strobes, etc.) shall be of the same manufacturer as, and compatible with, the existing building fire alarm system. Provide auxiliary contacts if required for special applications. Provide rings at four foot intervals and at all offsets. Route rings through corridors and similar open areas wherever possible to Provide Edwards 1064–N5, 120V Buzzers (strap mounted type with stainless steel single gang buzzer plate). minimize wall penetrations. Securely anchor (mechanical - not adhesive) all rings directly to structural components of the building. All new wiring shall be installed in strict accordance with manufacturer's requirements and in conduit (3/4" minimum). fire alarm Provide Edwards #821 Push Buttons (mounted on a stainless steel single gang plate). Rings shall not be anchored to ductwork, conduit, piping, fixtures, equipment, ceiling supports, etc. All rings shall be fully and readily accessible after installation. Neatly route bridle ring paths parallel and perpendicular to building architectural lines and at a system wiring shall be installed in a raceway system separate from security sub-system wiring where/if applicable. DOOR EXIT THEFT DETECTION SYSTEM: consistent elevation wherever possible. The installation shall include a complete system test of the equipment by the local representative of the system installed. This test shall be performed in the presence of representatives of the owner, engineer, and local fire department Route all bridle ring paths and cables perpendicular and parallel to the building architectural lines, keeping offsets to a minimum. Theft detection system equipment and components (detection panels, electronics chassis, etc.) shall be furnished

Install bridle rings in a uniform plane/elevation wherever possible, keeping vertical offsets to an absolute minimum. Prior to The fire alarm system supplier shall provide to the electrical contractor a complete set of floor plan drawings showing conduit installation, submit scaled coordination drawings showing all proposed routing and ring locations for review by Owner. Keep offsets sizes and number of conductors required to all components plus detailed wiring connections required at each type of device. to an absolute minimum. Bridle ring paths shall be routed so that a minimum of 24" exists between any cables and any EM source such as ballasts. motors, power wiring, etc. It shall be the responsibility of the fire alarm systems manufacturer to submit these drawings to the state fire marshall's office

12. OUTLET. JUNCTION AND SWITCHBOXES

must be approved by this authority and a copy submitted to the engineer with the shop drawing submittal. All fire alarm system working drawings shall be provided by manufacturer. Gang type outlet boxes shall not be used. The outlet box locations indicated on drawings shall be considered approximate, and therefore, it shall be incumbent upon this contractor to study the general construction with relation to spaces and equipment Provide all required modifications (cards, power supplies, hardware, firmware, software, etc.) to the existing fire alarm system as surrounding each outlet. All outlet, switch and junction boxes shall be made of code galvanized steel complete with rings and required to render the entire extension fully operable. screw cover plates and located where shown and noted on drawings. Where conduit is concealed, boxes shall not be less than 4 square x  $1-1/2^{*}$  deep. All boxes shall be equipped with proper covers to bring flush with finished wall surface.

Provide all required 20a/120vac power as required to energize all new fire alarm related components. This requirement applies whether or not such power work is shown on the drawings. Branch circuits serving fire alarm related equipment shall be Where outlet boxes occur in block, cinder, or concrete block, facing tile or other material where such materials form the finished dedicated to fire alarm related equipment only. wall surface, the opening for the box shall be cut neatly and of the size that the cover plate will cover all parts of the opening. condulets shall be used on exposed raceways. In general, junction boxes shall be furnished and required by the National Electric Smoke detector locations shall not exceed the rated coverage of the detector and, in general, shall be no more than 15 feet Code, of the proper sizes, and shall be constructed of #12 gauge steel with removable front fastened on with counter sunk head from a wall or 30 feet apart. Smoke detectors shall not be installed within 3 feet from a supply air diffuser. Provide contact screws or other approved means. For special application, junction boxes shall be noted, detailed and/or sized on the drawings or bases for all applications where auxiliary contacts are required. in the field as required.

All conduit installed indoors shall be galvanized steel EMT (3/4" minimum); all fittings for same shall be set screw type steel, with insulated throats. All wiring of all systems shall be installed in conduit unless specifically indicated otherwise herein or on

system shall be provided as required for a turnkey, complete working systems.

Prior to rough-in, verify all box/device mounting heights and locations in field with Owner's representative relative to equipment being served and relative to existing conditions where applicable. In general, where not located at counter areas, the height of boxes from finished floor to center of boxes shall be as follows, unless otherwise noted on plans:

itches ceptacles		4'0" 1'6"
ephone Outlets (desk phone) ephone Outlets (Wall phone)	1'6" 4'0"	,
ta Cable Outlets e Alarm manual pull stations	4'0"	1'6"
e Alarm A/V alarms	6'8"	(verify)

Keep conductor splices to minimum. Pull conductors simultaneously where more than one is being installed in same raceway. Use UL listed pulling compound or lubricant, where necessary. Install splice and tap connectors which possess equivalent or better mechanical strength and insulation rating than conductors being spliced. Use splice and tap connectors which are compatible with conductor material. Increase wire sizes per NEC to offset voltage drop as/if required.

15. WIRING DEVICES DEVICE COLORS:

Unless indicated otherwise within contract documents or directed otherwise in field, all normal devices on white walls shall be white in color.

Occupancy sensor lighting switches shall be manufactured by Watt Stopper

WALL PLATES:

Provide wall plates with engraved legends where indicated on drawings and/or where required per ELECTRICAL IDENTIFICATION Section. All device wallplates shall be standard size; "midway", "oversized" ("jumbo") or "extra deep" wallplates shall not be acceptable. Construct with metal screws for securing plates to devices; screw heads colored to match finish of plates. Wallplates on white walls shall be commercial specification grade, white, with beveled edges, equal to Leviton Type 430 series. Wallplateson red wall shall be black

SUPPORTS. INSERTS. CUTTING AND PATCHING

This contractor shall do all cutting and patching required for the admission of his work. Any damage done by this contractor t the building during the progress of his work shall be made good at his own expense. All patching shall be done by a skilled craftsman in that respective trade. It shall be the responsibility of this contractor to supervise the installation of, and pay for all additional members, wood or metal and labor which may be required to support any type of permanent or temporary electrical apparatus employed in the execution of this contractor's work.

SEAL ALL NEW FLOOR, CEILING, WALL, SLAB, ETC. PENETRATIONS TO MATCH OR EXCEED EXISTING/NEW ASSEMBLY FIRE RATINGS. PROVIDE SLEEVE SEALS FOR ALL SLEEVES; PROVIDE SLEEVES FOR ALL PENETRATIONS. VERIFY REQUIREMENTS IN FIELD. ALL PENETRATIONS OF FIRE-RATED OR SMOKE-RATED WALLS. FLOORS. CEILINGS. ETC. SHALL BE SEALED IMMEDIATELY AFTER RACEWAYS ARE INSTALLED. ALL NEW ELECTRICALLY RELATED WORK SHALL BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURA MEMBERS. NEW ELECTRICALLY RELATED WORK SHALL NOT BE SUPPORTED FROM DUCTWORK. DUCTWORK HANGERS. CEILING SUPPORTS, EXISTING CONDUIT SUPPORTS, ETC. ALL CONDUITS (AND CABLE ASSEMBLIES, WHERE APPLICABLE) SHALL BE ROUTED PARALLEL TO BUILDING STRUCTURAL MEMBERS. ANY AND ALL NONCOMPLYING WORK INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE REMOVED AND REINSTALLED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND THE ENGINEER, AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR.

### 17. LIGHTING FIXTURES

function shall be taken to mean for mounting within gypsum board or similar type ceiling system (i.e. not within wet plaster ceiling system).

All lighting fixtures utilized for emergency egress lighting shall be connected ahead of switching. All ballasts of the same type shall be of the same manufacturer and catalog number. All lamps of the same type shall be of the same manufacturer and catalog number.

Incandescent lamps shall be Sylvania or Philips, long life type (3000 hours). All incandescent lamps shall be inside frosted unless specifically directed otherwise. Provide socket adapters/extenders if required for accommodating the specified lamp. 208Y/120V Lighting and Appliance panelboards shall be equal to Square D NQOD with bolt-on branch breakers. Eluorescent lamp color temperature shall be 3500K All bussing shall be copper

Provide fixtures and/or fixture outlet boxes with hangers to properly support fixture weight. All lighting fixtures installed in or on suspended ceiling systems shall be anchored directly to the building structural system above (anchored per NEC). Such anchoring shall be independent of the ceiling support system. All fixtures shall be installed plumb and level. Support surface mounted

For all existing fixtures which are scheduled for reuse, remove from existing ceilings during demolition; protect during construction; clean, service (if required), relamp (with lamps to match building standard or per this section as noted) and reinstall at locations indicated

For all existing fixtures which are scheduled to be removed and turned over to Owner, the fixtures shall be disconnected, carefully removed and turned over to Owner. Transfer such fixtures to storage area as directed in field. 18. MECHANICAL EQUIPMENT

signage/designation. Provide all conduit and outlet boxes as required for all control wiring and thermostats. Furnish and install power wiring and make line connections to all heating, ventilating and air conditioning equipment. Electrical Contractor shall examine the approved All recessed panelboards shall be provided with a minimum of three 1–1/4" empty conduits terminated to a single drawings of all branches and shall wire and connect all motors, disconnects, control devices and other items requiring electricity 12" X 12" X 6" deep junction box above accessible ceiling. for operation. This contractor shall make the necessary electrical connections between the specified equipment and the junction box near equipment with flexible metallic conduit and matched connectors. No flexible conduit shall be exposed in finished TRANSFORMERS: rooms. Each motor shall have disconnect switch or manual starter installed by this contractor ahead of motor or motor magnetic starter. The Electrical Contractor shall provide control and interlock wiring as specifically indicated on the drawings. All other control wiring required for operation of the systems shall be provided by the Heating Contractor. Power Distribution Transformers shall be Square D Dry Type. Provide copper windings. Provide 4" high concrete

<u>19. FIRE ALARM WORK</u> Where indicated on drawings, remove existing fire alarm devices in affected areas and protect during demolition and construction phases. Clean and reinstall these existing devices as indicated on drawings. Relocate devices as indicated on drawings and extend conduit and wiring as required. Modify and/or extend related existing wiring in conduit as required.

(or other authority having jurisdiction) for approval. This action shall be taken during the shop drawing procedure. The system

The audio/visual and visual-only alarm indicating devices shall be red ada-compliant units wall mounted at 6'8" as shown on plans. Strobe units shall be synchronized wherever required by any authority having jurisdiction, including adaag. Additionally, where required by local authority, the strobes must meet ansi s3.41 temporal code.

The waterflow switches, tamper switches and pressure switches shall be provided by the sprinkler contractor. The electrical contractor shall wire and provide the related monitor modules as required

Provide isolation modules as required to isolate wire to wire shorts on a data loop to limit the number of other modules or detectors that are incapacitated by the short circuit fault and/or grounds. Isolation modules shall be part of the smoke detector base. The isolation modules shall permit the entire system to operate independently of the area disconnected by the isolation module due to wiring faults.

Provide monitor modules as required to interface "non-intelligent" devices into the system as shown on the drawings (i.e. sprinkler flow switches, tamper switches, etc.). Provide control modules for all auxiliary devices including all supervised control functions such as air handler

shutdowns. Exterior/roof mounted duct smoke detectors shall be in a NEMA4x enclosure.

20. ELECTRICAL DISTRIBUTION EQUIPMENT

### **DISCONNECTS & FUSES:**

Subject to compliance with requirements, provide equipment of one of the following (for each type and rating): Allen-Bradley Co.

General Electric Co Siemans/ITE Sauare D Co.

Westinghouse/Cutler-Hammer Disconnect switches shall be equal to Square D Type HD. All Safety Switches/Disconnects shall be heavy duty, safety type, quick make and quick break and externally operated. Unless noted otherwise on drawings or directed

otherwise in field, all disconnect switches shall be fused. Unless noted otherwise on drawings or directed otherwise in field, brace all disconnect switches for 200,000 A.I.C. Provide heavy—duty switches, with fuses of classes and current ratings indicated and UL listed for use as service equipment under UL Standard 98 or 869. See Section "FUSES" for specifications. Where current limiting fuses are indicated, provide switches with non-interchangeable feature suitable only for current limiting type fuses. Install disconnect switches within sight of controller position unless otherwise indicated.

FUSES:

Subject to compliance with requirements, provide fuses of one of the following. All fuses shall be of the same manufacturer: Bussman, LittelFuse, Shawmut (A4BQ series).

Except as otherwise indicated, provide fuses of types, sizes, ratings, and average time-current and peak let-through current characteristics indicated, which comply with manufacturer's standard design, materials, and constructed in accordance with published product information, and with industry standards and configurations. Fuses 1 ampere through 600 amperes shall be rejection type. Fuses 601 amperes through 6000 amperes shall be Hi-Cap. bolt type.

Provide factory fuse identification labels, installed on the inside of the door of each switch indicating type and size of fuses installed. For types and ratings required, furnish additional fuses, amounting to 10 percent of fuses supplied, but not less than one set of 3 of each kind.

Each fuse shall be clearly factory marked with classification, characteristics, ampere ratings, voltage ratings, etc. Fuses shall not be shipped installed in switches nor shall they be installed in the equipment until the equipment until the equipment is ready to be energized. All fuses shall be of the same manufacturer.

Prior to installing fuses for protection of specific equipment, motors, etc., verify recommended fuse size/type in field from respective equipment manufacturer. If a conflict in fuse size/type results between manufacturer's recommendations and above specifications, contact engineer. Provide all required fuses under base bid. Install fuses in fused switches.

### LIGHTING CONTACTORS

All contactors shall be equipped with external green pilot lights in cover and external H.O.A. selector switches in cover. Lighting contactors shall be wired so that the "AUTO" position is the normal activated condition (i.e. photocell controlled, photocell/time-clock controlled, remote switch controlled, BAS controlled, etc.); the "OFF" position shall be a manual override to turn lighting off; the "HAND" position shall be a manual override to turn lighting on. All contactors shall be equipped with field convertible N.O./N.C. contacts and descriptive nameplates.

Lighting contactors shall be equal to Square D Class 8903 (or Allen—Bradley Bul. 500L—BA\*94 series) for tunasten & ballast lighting and resistance heating loads. Lighting contactors shall be electrically held in factory NEMA 1 enclosure, with 120V coil and characteristics as indicated on drawings or as required. "Dry" contacts shall be rated at 30A, 250V or 600V as required. Provide number of poles (minimum of four poles) and number of contactors as required for each application. Verify all coil voltage ratings in field.

### TIMECLOCKS

Multi—Purpose Time Clock shall be equal to Intermatic #ET70415CR (or equal by Paragon, Tork). Time clock shall be programmable 365 day, 24 hour with override controls. Unit shall be 4 channel. Provide all required external contactors, relays, etc. to render the control systems fully operational. Verify zone control requirements in field prior to rough-in. Provide battery backup extended power carryover. Custom programming shall be configured as specified and detailed on plans.

### PANELBOARDS

Subject to compliance with requirements, provide panelboard products of one of the following (for each type and rating of panelboard and enclosure): Square D Company, General Electric Company, Siemens/ITE, Westinahouse/Cutler-Hammer.

Panelboards shall bear UL labels for their specific applications. Panelboards shall be suitable for service voltage with number of branch circuits of capacity scheduled. Unless otherwise indicated, panelboards and sections thereof, if any, shall have main lugs only of capacity equal to, or greater than, the rating or setting of the over the current protective device next back on the line. All circuit breaker panelboard bus assemblies shall be of the distributed (sequence) bussing type throughout, so that any 2 adjacent single pole breakers and/or spaces shall be replaceable by a 2 pole internal common trip breaker, and any 3 adjacent single pole breakers and/or spaces shall be replaceable by a 3 pole internal common trip breaker. 15 amp through 70 amp inclusive, without disturbing an other breaker. All panelboards shall be UL listed and labeled for use as service entrance equipment where being used as such.

Distribution panels shall be Square D I-Line.

480Y/277 volt high voltage panels shall be Square D NF.

All branch circuit breakers shall be full ambient compensated thermal magnetic molded case with quick-make and quick-break action and positive handle trip indication, both on manual and on automatic operation. Breakers shall be of the over-the-center toggle operating type with the handle going to a position between "on" and "off" to indicate automatic trippina.

All circuit breakers shall be full size. "Tandem" or "split" breakers shall not be permitted. All multi-pole breakers shall have internal common trip with all load side box lugs of one breaker in the same gutter. All circuit breakers shall have sealed cases to prevent tampering. All 15 and 20 ampere branch circuit breakers shall be UL Listed as SWD (switching duty). All 15-70 ampere branch circuit breakers shall be HACR Type. All GFI circuit breakers shall be UL Class A with maximum threshold of 5 mA. All branch circuit breakers serving all ballasted (fluorescent/HID) lighting loads shall be HID rated. Provide 20 (+/-) non-padlock type breaker lock-on devices and install on branch breakers as directed in field (night lights, computers, security, etc.). Provide detailed typewritten schedules for all panelboards. Circuit breakers shall be furnished as scheduled on the drawings or as otherwise required based on field determinations

Provide all electrical distribution related equipment with appropriately braced bussing and properly rated breakers, fuses, etc. for the available fault currents

In existing buildings where fault current values are not indicated on drawings, coordinate with existing "upstream" distribution equipment provide equipment AIC ratings to meet or exceed same

Fill out panelboard's circuit directory card upon completion of installation work. Directories shall be neatly typewritten. All panelboard directories shall include the actual room names/numbers that are selected for interior

housekeeping pad (with chamfered edges) for all floor mounted transformers. Install units on vibration mounts; comply with manufacturer's indicated installation method.

### 21. ELECTRICAL & ARCHITECTURAL SPECIALTIES

RECEIVING DOOR CALL SYSTEM:

Provide dedicated 15A/120VAC circuit (on emergency power where available) to the first detection panel baseplate mounted electronics chassis. Provide flush floor box with brass flush activation fitting and 90 degree connector. Install and connect system power cord (furnished by others) from the first detection panel to the floor outlet.

and installed by others. Provide all related outlets, power wiring and conduit work.

Also provide (1) 1-1/4" empty schedule 40 PVC conduit, below slab with sweep 90's and bushings) from the first detection panel to the second detection panel (terminated no more than 3/8" above the top of the slab) for panel to panel wiring which will be provided by others.

If remote electronics chassis kit is furnished with the system (verify in field) in lieu of detection panel baseplate mouted electronics chassis, provide dedicated 15A/120VAC circuit to the chassis and (1) 1-1/4" empty schedule 40 PVC conduit from the remote electronics chassis, below the slab, to the base plate of the first detection panel. Also provide the (1) 1-4" empty schedule 40 PVC conduit from the first detection panel to the second detection

![](_page_34_Picture_147.jpeg)

SEAL:

A PROJECT FOR:

![](_page_34_Picture_150.jpeg)

![](_page_34_Picture_151.jpeg)

CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975

REVISIONS:

No.	Description	Date
Projec	t No.:	11460
Drawn	By:	
Review	ved By:	
Scale:		
Date:		09.02.2011
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SHEET TITLE:

# ELECTRICAL SPECIFICATION

![](_page_34_Picture_158.jpeg)

### <u>GENERAL</u>

THE GENERAL CONDITIONS. SUPPLEMENTARY CONDITIONS AND INSTRUCTIONS TO BIDDERS SHALL APPLY TO AND BE PART OF THIS SPECIFICATION.

CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, RULES AND **REGULATIONS.** 

CONTRACTOR SHALL BID ACCORDING TO ALL APPLICABLE CODES, RULES AND **REGULATIONS.** 

CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, CERTIFICATES OF INSPECTION AND APPROVALS REQUIRED.

CONTRACTOR SHALL SUBMIT SPRINKLER DRAWINGS TO LANDLORD'S RISK INSURER FOR APPROVAL.

### <u>SCOPE OF WORK</u>

FIRE PROTECTION DEMOLITION OF ALL UNUSED SPRINKLER HEADS AND BRANCH SPRINKLER PIPING.

FIRE PROTECTION DISTRIBUTION PIPING FROM EXISTING MAINS AND SPRINKLERS TO NEW SPRINKLER HEAD LOCATIONS. MODIFY EXISTING SPRINKLER PIPING (MAINS AND GENERAL: PROVIDE IDENTIFICATION IN BRANCHES) AS REQUIRED TO ACHIEVE THE THE DESIGN INTENT. PROVIDE ANY AND ALL ADDITIONAL SPRINKLER HEADS AS FIRE PROTECTION PIPING: PLASTIC PIPE REQUIRED TO PROVIDE A COMPLETE CODE MARKERS. COMPLIANT SPRINKLER SYSTETM.

SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AND REPLACING OF CEILINGS IN AREAS WHERE NEW PIPING IS TO BE INSTALLED IN THE EXISTING BUILDING.

WHERE CONCEALING SPRINKLER PIPING IS SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED SPRINKLER PIPING IN FINISHED COORDINATE COLOR WITH SPACES. ARCHITECT.

**GENERAL STANDARDS** 

THE APPLICABLE PROVISIONS OF THE FOLLOWING STANDARDS SHALL GOVERN:

AMERICAN SOCIETY FOR TEST MATERIALS (ASTM); AMERICAN STANDARDS ASSOCIATION (ASA);

UNDERWRITERS LABORATORIES (UL); NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):

STATE BUILDING CODE.

OWNER'S INSURANCE UNDERWRITER LOCAL FIRE DEPARTMENT REGULATIONS

THE INSTALLATION OF ALL SPRINKLER WORK SHALL CONFORM TO THE APPLICABLE LOCAL CODES AND STATUES.

### QUALITY ASSURANCE

MANUFACTURERS: FIRMS REGULARLY ENGAGED IN MANUFACTURE OF FIRE PROTECTION PIPING SYSTEMS PRODUCTS, OF TYPES, MATERIALS, AND SIZES REQUIRED, WHOSE PRODUCTS HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR NOT LESS THAN 5 YEARS.

INSTALLER: FIRM WITH AT LEAST 3 YEARS OF SUCCESSFUL INSTALLATION EXPERIENCE ON PROJECTS WITH FIRE PROTECTION PIPING SYSTEMS WORK SIMILAR TO THAT REQUIRED FOR PROJECT.

NFPA CODE: COMPLY WITH ANSI/NFPA 13, "INSTALLATION OF SPRINKLER SYSTEMS".

UL LABELS: PROVIDE FIRE SPRINKLER PIPING PRODUCTS WHICH HAVE BEEN APPROVED AND LABELED BY UNDERWRITERS LABORATORIES.

LOCAL FIRE DEPARTMENT/MARSHALL REGULATIONS: COMPLY WITH GOVERNING REGULATIONS PERTAINING TO FIRE PROTECTION PIPING.

STATE BUILDING CODE: COMPLY WITH GOVERNING REGULATIONS PERTAINING TO FIRE PROTECTION SYSTEMS.

### SUBMITTALS

PRODUCT DATA: SUBMIT MANUFACTURER'S DATA FOR FIRE PROTECTION SYSTEMS, MATERIALS AND PRODUCTS.

SHOP DRAWINGS: SUBMIT SCALED LAYOUT DRAWINGS FOR FIRE PROTECTION PIPE AND FITTINGS INCLUDING, BUT NOT NECESSARILY LIMITED TO, PIPE AND TUBE SIZES, LOCATIONS, ELEVATIONS AND SLOPES OF HORIZONTAL RUNS, WALL AND FLOOR PENETRATIONS, AND CONNECTIONS. SHOW INTERFACE AND SPATIAL RELATIONSHIP BETWEEN PIPING AND PROXIMATE EQUIPMENT.

SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL, PRIOR TO SUBMISSION TO APPROPRIATE AUTHORITY AND PRIOR TO INSTALLATION OF ANY PORTION OF BOTH UNDERGROUND AND OVERHEAD SYSTEMS.

APPROVAL DRAWINGS: PREPARE APPROVAL DRAWINGS OF FIRE PROTECTION SYSTEMS INDICATING PIPE SIZES, PIPE LOCATIONS, FITTINGS, SHUTOFFS, EQUIPMENT, ETC. SUBMIT ONE COPY, BEARING THE STAMP AND SIGNATURE OF A LICENSED SPRINKLER CONTRACTOR, TO THE AGENCY HAVING FIRE PROTECTION SPECIALTIES JURISDICTION, BEFORE PROCEEDING WITH INSTALLATION.

APPROVAL CALCULATION: PREPARE HYDRAULIC CALCULATIONS OF FIRE PROTECTION SYSTEMS. SUBMIT ONE COPY, BEARING THE STAMP AND SIGNATURE OF A LICENSED SPRINKLER CONTRACTOR TO THE WATER FLOW INDICATORS: PROVIDE VANE

### AGENCY HAVING JURISDICTION, BEFORE TYPE WATER FLOW DETECTORS. PROCEEDING WITH INSTALLATION.

CERTIFICATE OF INSTALLATION: SUBMIT CERTIFICATE UPON COMPLETION OF FIRE PROTECTION PIPING WORK WHICH INDICATES THAT WORK HAS BEEN TESTED IN ACCORDANCE WITH ANSI/NFPA 13. AND ALSO THAT SYSTEM IS OPERATIONAL, COMPLETE, AND HAS NO DEFECTS.

### SIZES, TYPES, PRESSURE RATINGS, TEMPERATURE RATINGS, AND CAPACITIES AS INDICATED. WHERE NOT INDICATED, PROVIDE PROPER SELECTION AS DETERMINED BY INSTALLER TO COMPLY WITH INSTALLATION REQUIREMENTS. PROVIDE SIZES AND TYPES MATCHING PIPING AND EQUIPMENT CONNECTIONS; PROVIDE FITTINGS OF MATERIALS WHICH MATCH PIPE MATERIALS USED IN FIRE PROTECTION PIPING SYSTEMS. WHERE MORE THAN 1 TYPE OF MATERIALS OR PRODUCTS ARE INDICATED, SELECTION IS INSTALLER'S

BASIC IDENTIFICATION

OPTION.

ACCORDANCE WITH THE FOLLOWING LISTING:

FIRE PROTECTION VALVES: PLASTIC VALVE TAGS.

BASIC, PIPE, TUBE, AND FITTINGS

GENERAL: PROVIDE PIPE, TUBE, AND FITTINGS COMPLYING WITH DIVISION-15 BASIC MATERIALS AND METHODS SECTIONS. NOT POSSIBLE, SPRINKLER CONTRACTOR IN ACCORDANCE WITH THE FOLLOWING LISTING:

INTERIOR PIPING:

**BLACK STEEL PIPE:** 

PIPE WEIGHT: SCHEDULE 40 UP TO 8"; SCHEDULE 30 FOR 8" AND LARGER. FITTINGS: CLASS 125, CAST-IRON THREADED.

PIPE WEIGHT: SCHEDULE 40 FOR LESS THAN 8"; SCHEDULE 30 FOR 8" AND LARGER. FITTINGS: MECHANICAL GROOVED PIPE COUPLINGS AND FITTINGS; CUT GROOVE TYPE.

**BLACK STEEL PIPE:** 

PIPE WEIGHT: SCHEDULE 10 FOR 5" AND SMALLER: 0.134" WALL THICKNESS FOR 6": AND 0.188" WALL THICKNESS FOR 8" AND FITTINGS: WROUGHT-STEEL BUTTWELDING.

PIPE WEIGHT: SCHEDULE 10 FOR 5" SMALLER: 0.134" WALL THICKNESS FOR 6": AND 0.188" WALL THICKNESS FOR 8" AND THE INSTALLATION OF HEADS WITH HVAC FITTINGS: MECHANICAL GROOVED PIPE BELOW DUCTWORK WHERE REQUIRED TO COUPLINGS AND FITTINGS; ROLL-GROOVE OR PROVIDE COMPLETE COVERAGE.

MECHANICAL LOCKING TYPE.

BASIC PIPING SPECIALTIES

GENERAL: PROVIDE PIPING SPECIALTIES COMPLYING WITH DIVISION-15 BASIC MATERIALS AND METHODS SECTIONS IN ACCORDANCE WITH THE FOLLOWING LISTING:

DRIP PANS

SLEEVES SLEEVE SEALS

BASIC SUPPORTS, ANCHORS, AND SEALS

GENERAL: PROVIDE SUPPORTS, ANCHORS, AND SEALS IN ACCORDANCE WITH THE RISER. PIPE INSPECTOR TESTS TO OUTSIDE. FOLLOWING LISTING:

ADJUSTABLE STEEL CLEVISES, ADJUSTABLE STEEL BAND HANGERS, ADJUSTABLE BAND HANGERS, FOR HORIZONTAL PIPING HANGERS AND SUPPORTS.

TWO-BOLT RISER CLAMPS FOR VERTICAL PIPING SUPPORTS.

STEEL TURNBUCKLES, AND MALLEABLE IRON SOCKETS FOR HANGER-ROD ATTACHMENTS.

CONCRETE INSERTS, TOP-BEAM C-CLAMPS, SIDE BEAM OR CHANNEL CLAMPS, AND CENTER BEAM CLAMPS FOR BUILDING ATTACHMENTS.

COPPER FLASHINGS FOR PIPING PENETRATIONS.

FIRE BARRIER PENETRATION SEALS.

BASIC VALVES

GENERAL: PROVIDE VALVES COMPLYING WITH DIVISION-15 BASIC MATERIALS AND METHODS SECTIONS IN ACCORDANCE WITH THE FOLLOWING LISTING:

INTERIOR VALVES:

SECTIONAL: GATE VALVES.

CHECK: SWING CHECK VALVES.

PROVIDE FIRE PROTECTION GENERAL: SPECIALTIES, UL LISTED, IN ACCORDANCE WITH THE FOLLOWING LISTING. PROVIDE SIZES AND TYPES WHICH MATE AND MATCH PIPING AND EQUIPMENT CONNECTIONS.

SUPERVISORY	SWITCH	HES:		PROVIDE
PRODUCTS	RECO	MMEND	)ED	BY
MANUFACTURER INDICATED.	FOR	USE	IN	SERVICE

AUTOMATIC SPRINKLERS: PROVIDE AUTOMATIC SPRINKLERS OF TYPE INDICATED ON DRAWINGS, AND IN ACCORDANCE WITH THE FOLLOWING LISTING. PROVIDE FUSIBLE PROTECTION PIPING MATERIALS AND LINKS FOR 165 DEG. F (74 DEG. C) UNLESS OTHERWISE INDICATED.

GENERAL: PROVIDE PIPING MATERIALS AND FINISH: CONCEALED WHITE PLATE FOR FACTORY-FABRICATED PIPING PRODUCTS OF OCCUPIED AREAS, CAST BRASS UPRIGHT FOR UNOCCUPIED AREAS.

> WHERE SUSPENDED LAY-IN CEILINGS OCCUR LOCATE HEAD IN CENTER OF TILE IN AT LEAST ONE DIRECTION.

SPRINKLER CABINET AND WRENCH FURNISH STEEL, BAKED RED ENAMELED SPRINKLER BOX WITH CAPACITY TO STORE 10 SPRINKLERS AND WRENCH SIZED TO SPRINKLERS.

AVAILABLE MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING FIRE PROTECTION SPECIALTIES WHICH MAY BE INCORPORATED IN THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

MANUFACTURER: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE FIRE PROTECTION SPECIALTIES OF ONE OF THE FOLLOWING:

CENTRAL SPRINKLER CORP.

ITT GRINNELL GRINNFLL CORF

HONEYWELL

RELIABLE AUTOMATIC SPRINKLER CO., INC. VIKING CORP.

VICTAULIC GLOBE FIRE SPRINKLER CORPORATION POTTER ELECTRIC SIGNAL COMPANY

INSTALLATION OF PIPE, TUBE, AND FITTINGS

GENERAL: INSTALL PIPE AND PIPE FITTINGS IN ACCORDANCE WITH DIVISION-15 BASIC MATERIALS AND METHODS SECTIONS.

### FIRE SPRINKLER PIPING SYSTEMS:

GENERAL: COMPLY WITH REQUIREMENTS OF ANSI/NFPA 13 AND NFPA 14 FOR INSTALLATION OF FIRE SPRINKLER PIPING MATERIALS. INSTALL FIRE SPRINKLER PIPING PRODUCTS WHERE INDICATED, IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES TO ENSURE THAT FIRE SPRINKLER PIPING COMPLIES WITH REQUIREMENTS AND SERVES INTENDED PURPOSES.

COORDINATE WITH OTHER WORK, INCLUDING PLUMBING PIPING, AS NECESSARY TO INTERFACE COMPONENTS OF ARE SPRINKLER PIPING PROPERLY WITH OTHER WORK.

SPRINKLER CONTRACTOR SHALL COORDINATE DUCTWORK. INSTALL HEADS ABOVE AND

INSTALL DRAIN PIPING AT LOW POINTS OF PIPING SYSTEMS.

INSTALL WATER FLOW INDICATORS WHERE INDICATED AND REQUIRED.

MOUNT SUPERVISORY SWITCHES ON ALL CONTROL VALVES.

INSTALL VALVED HOSE CONNECTIONS OF SIZES INDICATED, OR 3/4" SIZE IF NOT OTHERWISE INDICATED ON SPRINKLER AT ENDS OF BRANCH LINES AND CROSS MAINS AS REQUIRED.

INSTALL INSPECTOR'S TEST CONNECTION AS REQUIRED, OR AT MOST REMOTE POINT OF

### ADJUST AND CLEAN

SPRINKLER PIPING FLUSHING: PRIOR TO CONNECTING SPRINKLER RISERS FOR FLUSHING, FLUSH WATER FEED MAINS, LEAD-IN CONNECTIONS AND CONTROL PORTIONS OF SPRINKLER PIPING. AFTER FIRE SPRINKLER PIPING INSTALLATION HAS BEEN COMPLETED AND BEFORE PIPING IS PLACED IN SERVICE, FLUSH ENTIRE SPRINKLER SYSTEM, AS REQUIRED TO REMOVE FOREIGN SUBSTANCES, UNDER PRESSURE AS SPECIFIED IN ANSI/NFPA 13. CONTINUE FLUSHING UNTIL WATER IS CLEAR, AND CHECK TO ENSURE THAT DEBRIS HAS NOT CLOGGED SPRINKLERS.

### FIELD QUALITY CONTROL

HYDROSTATIC TESTING: AFTER FLUSHING SYSTEM, TEST FIRE SPRINKLER PIPING HYDROSTATICALLY, FOR PERIOD OF 2 HOURS, AT NOT LESS THAN 200 PSI OR AT 50 PSI IN EXCESS OF MAXIMUM STATIC PRESSURE WHEN MAXIMUM STATIC PRESSURE IS IN EXCESS OF 150 PSI. CHECK SYSTEM FOR LEAKAGE OF JOINTS. MEASURE HYDROSTATIC PRESSURE AT LOW POINT OF EACH SYSTEM OR ZONE BEING TESTED.

REPAIR OR REPLACE PIPING SYSTEM AS REQUIRED TO ELIMINATE LEAKAGE IN ACCORDANCE WITH ANSI/NFPA STANDARDS FOR "LITTLE OR NO LEAKAGE", AND RETEST AS SPECIFIED TO DEMONSTRATE COMPLIANCE.

PIPE ESCUTCHEONS DIELECTRIC UNIONS

![](_page_35_Figure_100.jpeg)

### GENERAL FIRE PROTECTION NOTES:

THE TENANT'S FIRE PROTECTIONS SPRINKLER SYSTEM SHALL BE DESIGNED TO MEET ORDINARY HAZARD REQUIREMENTS.

IF NO CEILINGS OCCUR, IN MECHANICAL ROOMS, ETC., SPRINKLER HEADS AND PIPING TO BE EXPOSED BRASS UPRIGHT TYPE. ALL OTHER AREAS OF BUILDING WHERE SUSPENDED CEILINGS OCCUR SHALL BE CONCEALED WHITE PLATE HEADS.

MAKE PROVISIONS FOR DRAINING AND PROVIDE INSPECTOR TESTS AS REQUIRED. ALL DRAIN PIPING SHALL BE PIPED TO OUTSIDE OR INDIRECTLY TO SINK OR F.D.

ALL PIPE AND FITTINGS SHALL MATCH LOCAL FIRE DEPARTMENT THREADS.

ALL FIRE SUPPRESSION WORK SHALL BE PERFORMED BY STATE LICENSED FIRE PROTECTION CONTRACTOR.

ALL SPRINKLER HEADS SHALL BE LOCATED IN CENTER OF CEILING TILE IN AT LEAST ONE DIRECTION. (WHEN APPLICABLE)

WHEN MODIFYING EXISTING SPRINKLER SYSTEMS SPRINKLER CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE EXISTING SPRINKLER ZONES. COORDINATE WITH NEW FIRE RATING PLANS IF APPLICABLE.

NO PVC PIPE SHALL BE PERMITTED.

CURRENT SHELL SPRINKLERS ARE EXTENDED COVERAGE HEAD SPRINKLERS.

RENOVATED AREAS SHALL BE 100% SPRINKLED.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES, LAWS, AND REGULATIONS.

CONTRACTOR SHALL VISIT SITE AND BE FULLY COGNIZANT OF ALL CONDITIONS PRIOR TO SUBMITTING PROPOSAL.

PROVIDE A VALVED DRAIN AT THE LOW POINT IN EACH PIPING SYSTEM.

ALL VALVES AND OTHER PIPING SPECIALTIES SHALL BE FULL LINE SIZE

UNLESS OTHERWISE INDICATED.

SEAL AROUND ALL PIPES PENETRATING FIRE SEPARATIONS WITH APPROVED INCOMBUSTIBLE PACKING RETAINED BY METAL COLLARS.

COORDINATE ALL CUTTING AND PATCHING WITH GENERAL CONTRACTOR. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING FOR HIS WORK.

AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH NFPA 13 AND BUILDING CODE REQUIREMENTS.

REFER TO REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHT FIXTURES AND CEILING TYPES. COORDINATE EXACT LOCATION OF PIPING AND HEADS WITH MECHANICAL AND ELECTRICAL DRAWINGS.

ALL SPRINKLER DRAWINGS, RISERS, CODE REQUIREMENTS ETC. ARE THE RESPONSIBILITY OF AND SHALL BE PROVIDED BY THE SPRINKLER DESIGN CONTRACTOR.

THE FIRE PROTECTION CONTRACTOR SHALL VERIFY SPRINKLER PIPE LOCATIONS AND ELEVATIONS AND SHALL MODIFY PIPE ELEVATIONS, AS REQUIRED, TO ACCOMODATE ANY NEW CEILING ELEVATIONS.

THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONSTRUCTION DOCUMENTS AND HYDRAULIC CALCULATIONS. THE CONSTRUCTION DOCUMENTS SHALL INCLUDE. BUT NOT BE LIMITED TO, THE LAYOUT AND SIZES OF THE PIPE, THE LOCATION OF ALL SPRINKLER HEADS, THE LOCATION AND SPACING OF SUPPORTS THE LOCATION OF THE SYSTEM RISER. THE LOCATION OF ANY WATER SUPPLY VALVES AND THE LOCATION OF THE WATER HYDRAULIC SUPPLY SOURCE. INFORMATION SHALL INCLUDE. BUT NOT BE LIMITED TO, THE DESIGN AREA OF OPERATION, THE DESIGN DENSITY, THE OCCUPANCY HAZARD(S), THE HOSE STREAM ALLOWANCE, THE WATER SUPPLY INFORMATION, THE TOTAL SYSTEM DEMAND AND ALL OTHER SUPPORTING CALCULATIONS.

	SPRINKLER LEGEND
SYMBOL	DESCRIPTION
● <sup>N</sup>	NEW CONCEALED PLATE SPRINKLER HEAD
$\otimes^{N}$	NEW SEMI-RECESSED SPRINKLER HEAD
O <sup>N</sup>	NEW BRASS UPRIGHT SPRINKLER

# SPRINKLER NEW WORK PLAN SCALE: $1/8^{*} = 1^{*}-0^{*}$

FIXISTING SPRINKLER HEADS TO

REMAIN. PROVIDE NEW SPRINKLER

HEADS AS REQUIRED PER NEW

WALLS AND MODIFIED CEILING AS

O CHARMING CHARLIE PM FOR

HEAD LOCATION APROVA

**DEMOLITION NOTES** 

COORDINATE WITH SAME.

SPRINKLER NOTES

REQUIRED. SUBMIT SHOP DRAWINGS

![](_page_35_Figure_126.jpeg)

![](_page_35_Picture_127.jpeg)

CHARMING CHARLIE **5999 SAVOY DRIVE** HOUSTON, TEXAS 77036 Phone (713) 579-1975

**REVISIONS:** 

No. Description	Date
Project No.:	11460
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Reviewed By:	
Scale:	
Date:	09.02.2011
Filename:	

# FIRE PROTECTION **SPRINKLER PLAN &** SPECIFICATIONS

SHEET NO .:

SHEET TITLE:

![](_page_35_Picture_133.jpeg)

AT ALL LOCATIONS WHERE FIRE PROTECTION PIPE, HEADS OR FIXTURES ARE TO BE

REMOVED, FIRE PROTECTION SUBCONTRACTOR SHALL REMOVE PIPING TO A POINT

BEYOND FINISH SURFACE AND CAP OFF. WHERE PIPING SERVING EXISTING FIXTURE TO

BE REMOVED ALSO SERVES FIXTURES THAT ARE TO REMAIN, PIPING SHALL BE REROUTED

WHERE EXISTING WALLS ARE REMOVED AND PIPING IS FOUND THAT MUST REMAIN, FIRE

ALL FIRE PROTECTION PIPING THAT IS FOUND TO NO LONGER SERVE ANY PURPOSE

WHEREVER POSSIBLE, NEW PIPING AND RELOCATED PIPING SHALL BE RUN CONCEALED.

COORDINATE LOCATION OF ALL PIPING WITH ALL DISCIPLINE SUBCONTRACTORS.

ALL CUTTING AND PATCHING FOR REMOVAL, REMODELING OR INSTALLATION OF NEW FIRE

REFER TO ARCHITECTURAL DEMOLITION PLANS FOR EXTENT OF DEMOLITION WORK.

SPRINKLER SYSTEM TO BE IN ACCORDANCE WITH NFPA-13; THE STATE AND LOCAL

FIRE MARSHAL'S OFFICE; THE LANDLORD'S INSURANCE COMPANY AND OWNER'S

PROTECTION SUBCONTRACTOR SHALL REROUTE AND RECONNECT PIPING AS REQUIRED.

AND RECONNECTED TO ACCOMMODATE REMODELED AREAS AS REQUIRED.

SHALL BE REMOVED AND CAPPED OFF BEYOND FINISH SURFACE.

COORDINATE CUTTING AND PATCHING WITH GENERAL CONTRACTOR.

PROTECTION WORK SHALL BE DONE BY THE FIRE PROTECTION CONTRACTOR.

![](_page_36_Picture_0.jpeg)

![](_page_36_Figure_1.jpeg)

# **GENERAL DEMOLITION NOTE**

FIELD VERIFY DEMO SCOPE OF WORK WITH GC AND LL PRIOR TO BID.

# $\langle \# \rangle$ <u>HVAC CODED DEMOLITION NOTES</u>:

- EXISTING RTU TO REMAIN. EXISTING ASSOCIATED DUCT DROPS 1. SMOKE DETECTORS TO REMAIN. REMOVE ASSOCIATED THERMO AND CONTROLS.
- 2. REMOVE EXISTING OUTSIDE AIR UNIT AND ALL ASSOCIATED DUCT CONTROLS, ETC. FIELD VERIFY EXACT LOCATION AND SCOPE PRIC BID. PATCH ROOF TO LIKE NEW CONDITION. LL APPROVED ROOFING CONTRACTOR TO BE USED FOR ALL ROOF WORK AT GC'S EXPENSE. 3. REMOVE EXISTING DUCTWORK NOT INTENDED FOR REUSE. CAP EXISTING
- DUCTWORK TO REMAIN AT THE MAIN.
- 4. REMOVE EXISTING EXHAUST FAN, EXHAUST DUCTWORK AND EXHAUST GRILL. PATCH ROOF TO LIKE NEW CONDITION. LL APPROVED ROOFING CONTRACTOR TO BE USED FOR ALL ROOF WORK AT GC'S EXPENSE.
- 5. REMOVE EXISTING CONDENSING UNITS AND ALL ASSOCIATED CONTROLS, PIPING, ETC. NOT INTENDED FOR REUSE, FIELD VERIFY EXACT SCOPE PRIOR TO BID.
- 6. REMOVE EXISTING AIR HANDLERS IN MEZZANINE AND WINE COOLERS. REMOVE ALL ASSOCIATED DUCTWORK, PIPING, CONTROLS, DIFFUSERS, ETC. NOT INTENDED FOR REUSE. FIELD VERIFY EXACT SCOPE PRIOR TO BID.
- 7. REMOVE EXISTING ROOFTOP UNIT AND ALL ASSOCIATED DUCTWORK, CONTROLS, DIFFUSERS, ETC. NOT INTENDED FOR REUSE. FIELD VERIFY EXACT LOCATION AND SCOPE PRIOR TO BID. PATCH ROOF TO LIKE NEW CONDITION. LL APPROVED ROOFING CONTRACTOR TO BE USED FOR ALL ROOF WORK AT GC'S EXPENSE.
- 8. REMOVE EXISTING SUPPLY FANS AND ALL ASSOCIATED DUCTWORK, CONTROLS, ETC. NOT INTENDED FOR REUSE. PATCH ROOF TO LIKE NEW CONDITION. LL APPROVED ROOFING CONTRACTOR TO BE USED FOR ALL ROOF WORK AT GC'S EXPENSE.
- 9. EXISTING DUCTWORK TO REMAIN.

KOHRS LONNEMANN HEIL ENGINEERS, PSC
MECHANICAL/ELECTRICAL ENGINEERS WWW.KLHENGRS.COM
1538 ALEXANDRIA PIKE, SUITE 11 FT. THOMAS, KENTUCKY 41075 800-354-9783 859-442-8050 859-442-8058 FAX
104 BROWN STREET DAYTON, OHIO 45402 937-220-9700 937-220-9702 FAX
TWO MIRANOVA PLACE, ST. 280 COLUMBUS, OHIO 43215 614-228-2180 614-228-2183 FAX

SEAL:

# HVAC DEMO PLAN SCALE: 1/8" = 1'-0"

PS	AND
05	TATS
	ORK,

### HVAC LEGEND SYMBOL DESCRIPTION EXISTING WORK TO REMAIN DEMO WORK \_\_\_\_

# FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

NEW TENANT IMPROVEMENT FOR:		LEGACY PLACE	11380 LEGACY AVE. PALM BEACH GARDENS, FL, 33410
CLIENT:	CHARMI	NG CH	HARLIE
E	5999 SA IOUSTON Phone (7	VOY I , TEXA 13) 57	DRIVE AS 77036 79-1975
REVISIONS:			
No. Descriptio	on		Date
Project No.:			11460
Drawn By:			
Scale:			
Date:		0	9.02.2011
Filename:			

SHEET TITLE:

HVAC DEMO PLAN

![](_page_36_Picture_32.jpeg)

HVAC GENERAL NOTES:

- A ALL RECTANGULAR RETURN AIR AND SUPPLY AIR DUCTWORK SHALL BE LINED WITH ACOUSTICAL LINER THE FIRST 15 FEET, THE REMAINDER SHALL BE WRAPPED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. IN GENERAL, HOLD DUCTWORK TIGHT TO UNDERSIDE OF STRUCTURE UNLESS OTHERWISE NOTED OR REQUIRED BY FIELD CONDITIONS.
- B CONICAL BELLMOUTH FITTINGS WITH MANUAL BALANCING DAMPER TO BE USED FOR ALL ROUND BRANCH TAPS ABOVE ACCESSIBLE LAY-IN CEILINGS. CONICAL BELLMOUTH FITTINGS WITHOUT MANUAL BALANCING DAMPERS TO BE USED FOR ALL ROUND BRANCH TAPS ABOVE INACCESSIBLE DRYWALL CEILINGS WITH BALANCING REQUIRED WITHIN 2 FT. OF DIFFUSER WITH PLASTER FRAME.
- C FLEX DUCT SHALL BE LIMITED TO 5'-0" IN LENGTH, NO DUCT BOARD ALLOWED, WIDTH OF DUCT SUPPORTS SHALL BE 2" WIDER THAN THE DUCT.
- D THE HVAC CONTRACTOR IS RESPONSIBLE FOR COORDINATING BOX-OUT LOCATIONS FOR ALL DRYWALL MOUNTED AIR DEVICES WITH GENERAL CONTRACTOR AND CEILING FRAMING.
- E MECHANICAL CONTRACTOR TO PROVIDE TENANT WITH AS-BUILT DRAWINGS, ALL EQUIPMENT SHOP DRAWINGS, INFORMATION ON THERMOSTATS, CONTROL WIRING DIAGRAMS AND OTHER PERTINENT INFORMATION AT COMPLETION OF PROJECT.
- F MECHANICAL CONTRACTOR IS TO PROVIDE AND INSTALL FIRE-RATED PIPE SLEEVES AND SEALS ON ALL EXISTING OR NEW PIPING THAT PENETRATES A FIRE-RATED PARTITION, WHERE REQUIRED BY CODE.
- G MECHANICAL CONTRACTOR IS TO PROVIDE AND INSTALL FIRE DAMPERS ON ALL EXISTING OR NEW DUCTWORK THAT PENETRATES A FIRE RATED PARTITION, WHERE REQUIRED BY CODE.
- H SEE ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS.
- I CONTRACTOR SHALL VERIFY SUFFICIENT SPACE TO RUN DUCTWORK. AND SHALL IDENTIFY ANY OBSTRUCTIONS THAT COULD HINDER THE ROUTING OF THE DUCTWORK.
- J THIS CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT. PIPING AND DUCTWORK, NOT SHOWN TO REMAIN IS FULLY REMOVED AND NOT ABANDONED.
- K IT IS REQUIRED THAT THE MECHANICAL CONTRACTOR MUST VISIT THE JOB SITE TO BECOME FAMILIAR WITH MAJOR ITEMS SUCH AS STRUCTURAL ELEMENTS, PLUMBING LOCATIONS AND ELECTRICAL RUNS. ADDITIONALLY MECHANICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DIMENSIONS OF SUCH ITEMS AS HVAC UNITS, DUCTWORK, ETC. PRIOR TO BID, AND CONTACT THE OWNERS CONSTRUCTION REP./ ARCHITECT/ ENGINEER AND REPORT ANY DIFFERENCES/ DISCREPANCIES IN THE DRAWINGS FOR A DECISION
- L ALL MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTME E 84.

![](_page_37_Figure_24.jpeg)

(#) HVAC NEW WORK CODED NOTES:

- 1. PROVIDE THERMOSTAT BANK (7) AT MANAGER'S DESK AND

- 4. PROVIDE AND BALANCE NEW ROOF MOUNTED EXHAUST FAN
- 5. EXISTING DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT TO
- 6. UNDERCUT DOOR 1" FOR AIRFLOW.
- 7. PROVIDE NEW TRANSFER AIR GRILLE FOR RETURN AIR
- EXACT LOCATION PRIOR TO BEGINNING WORK. 9. REMOVE INSULATION AND REPAIR DUCT AND PATCH AS REQUIRED. PREPARE FOR PAINT.

	HVAC LEGEND
SYMBOL	DESCRIPTION
	EXISTING WORK TO REMAIN
	NEW WORK
	HVAC DUCTWORK LEGEND
SYMBOL	DESCRIPTION
	RETURN REGISTER
	CEILING DIFFUSER
	LINEAR SLOT DIFFUSER
	LOW VOLTAGE THERMOSTAT
	LINE VOLTAGE THERMOSTAT
MOD	MOTOR OPERATED DAMPER
MVD	MANUAL VOLUME DAMPER
	BRANCH TAKE OFF
£==3	1" LINED DUCTWORK
	FLEXIBLE DUCTWORK CONNECTION
S	LOW VOLTAGE TEMPERATURE SENSOR
<b>—</b> ®	DUCT MOUNTED SMOKE DETECTOR
CO <sub>2</sub>	CARBON DIOXIDE SENSOR
SFD —	FIRE AND/OR SMOKE DAMPER. MATCH WALL RATING
=====	REFRIGERANT PIPING
- COND-	CONDENSATE PIPING

![](_page_37_Figure_35.jpeg)

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WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER

OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING

CODES AND DESIGN INTENT.

		A 1											HVAC	ELECT	TRICAL	COORI		N SCHEI	DULE																		
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NO	TES : 1. SYMBOL 2. CATALC 3. 1,2,3, A DIRECTI 4. DAMPEF "A" OP "B" RA "C" BU	KEY - FIRST SECON G NUMBERS REI ND 4-WAY AIR ONAL ARROWS ( RS SHALL BE OF POSED BLADE DIAL OPPOSED E TTERFLY	LETTER: S- ID LETTER: I FER TO TITU DEVICES AF ON DRAWING PERABLE FR BLADE	SUPPLY R-RETUR D-DIFFUSER R-RI JS AIR DEVICES. RE DETERMINED B SS. COM FACE	RN E-EXHAUST EGISTER G-GRIL	LE	5. FINISH- "A" MET "B" ETC "C" #25 "D" STA TO 6. BORDER "A" SUR "B" LAY "C" LAY FRA	ALESCEN HED FINIS STANDAI NDARD O MATCH C STYLE- FACE MO IN MOUN -IN PANE ME FOR	T ALUM. BAKEL SH WITH CLEAR RD WHITE FF WHITE FINIS EILING OR WAL UNTED ITING EL, PROVIDE TI PLASTER CEILIP	D ENAMEL FINISH OR ANG H G.C. TO FIEL LS TUS MODEL # X	ODIZED D PAINT (Y-13363		MC SD CN TS C/B FUSE FLA MCA CP	MOTOR CO DUCT SMO CONTROLS TOGGLE S H.A.C.R. O FUSE AT OPERATINO MINIMUM O CORD AND	ONTROL (PON DKE DETECTO SWITCH CIRCUIT BREA LOCAL DISCO G FULL LOAD CIRCUIT AMP D PLUG CON	WER) DR AKER AT S ONNECT (V D AMPS PACITY INECTION	SOURCE PANEI VERIFY FIELD F	EC EX FC GC HC ILBOARD MFR RATING) PC OR	ELECTRIC EXISTING FIRE PRO GENERAL HVAC CO R MANUFAC PLUMBING OWNER C	DTECTION CONTRACTO CONTRACTOR ONTRACTOR CTURER G CONTRACTO DR OTHERS	NTRACTOR DR OR		MCC MG MS VFD MSR OV	MOTOR MAGNE MANUA VARIAB MANUA OVERCU	CONTROL ( IC STARTER STARTER E FREQUEN STARTER RRENT PRO	ENTER ENTER COR CONTA ICY DRIVE W/CONTROL ITECTION	CT BAS LOV LINI RELAY RLII FA CO	r CO S BU V LO E LIN NE RE N MA FIR CA	NTROL POWER ILDING AUTON W VOLTAGE C IE VOLTAGE C VERSE ACTING NUAL RE ALARM RBON MONOX IEGRAL TO EC	<ul> <li>TRANSFO</li> <li>IATION SYS</li> <li>ONTROLS</li> <li>ONTROLS</li> <li>G LINE VOI</li> <li>(IDE SENSC</li> <li>QUIPMENT</li> </ul>	PRMER STEM LTAGE STAT						
SYMBOL	CATALOG #	SIZ	ΖE	MOUNTI	NG M	IATERIAL	FINISH	ACCES	SORIES	BORDER	REMA	RKS	MARK	DE	SCRIPTION		VOL	_TS PHAS	E EMERG	BHP HP	HTG K		FLA	MCA	JCP DC	FURN DC	INST DC	WIRE	MC TYPE	MC FURN	MC INST	MC WIRE				CN WIRE	SD QUAN
STWDOL	BATALOO #	MOD.	NECK	SIDE - CEIL - WALL ING		EL ALUM.	DPf	R. EQU	IAL FIRE	STYLE			EF-1	EXI	HAUST FAN		120	1		1/2	5				MFR	MFI	R MFR	ર	MG N	1FR	MFR	MFR	MAN	EC	EC	EC	0
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SR-2	300RL	12"x6"			• •	•	С						HVAC	FXHAU	IST FAN	I SCHE																					
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HVAC		RIES										_																									
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	<b>—</b> . –																		1																		
HVAC L																																					
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EX RTU-5	2.1	0.7 0.0	2.5	6.5	10.3 0.2	3.6	26.3 1.0	0 4	.3 37.3	3.0	8.8 11.8	49.1	1.9 1.1	0.0	5.4	2.6	5 11.1	7.0	18.2																		
EX RTU-6	0.0	0.0 0.0	0.0	0.0	0.0 0.0 0.5 0.0	0.0	0.0 1.3	2 5 0 4	.4 44.7 .8 36.0	0.0	11.115.09.913.2	59.7 49.2	0.0 0.0	0.0 3 0.0	0.0	0.0	0.0	8.9 8.0	22.9																		
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![](_page_38_Figure_1.jpeg)

KC	OHRS LONNEMANN HEIL Engineers, PSC
MECH	IANICAL/ELECTRICAL ENGINEERS WWW.KLHENGRS.COM
15. F	38 ALEXANDRIA PIKE, SUITE 11 T. THOMAS, KENTUCKY 41075 800-354-9783 859-442-8050 859-442-8058 FAX
	104 BROWN STREET Dayton, ohio 45402 937-220-9700 937-220-9702 FAX
TV	VO MIRANOVA PLACE, ST. 280 Columbus, ohio 43215 614-228-2180 614-228-2183 FAX

SEAL:

A PROJECT FOR:

![](_page_38_Figure_9.jpeg)

![](_page_38_Figure_10.jpeg)

No.	Description	Date
Projec	t No.:	11460
Drawn	і Ву:	
Review	ved By:	
Scale:		
Date:		09.02.2011
Filena	me:	
SHEE	T TITLE:	

![](_page_38_Picture_12.jpeg)

![](_page_38_Picture_14.jpeg)

![](_page_39_Picture_0.jpeg)

### HVAC SPECIFICATION

### General Provisions of the Contract including General and Supplementary Conditions and General Requirements apply to work of this section.

The base bid includes furnishing all materials, labor, tools, and equipment and the performance of all work required to install a complete

### QUALITY ASSURANCE:

heating and air conditioning system as outlined herein.

Provide a complete installation in conformance with the following standards.

AGA: American Gas Association ASHRAE: American Society of Heating, Refrigerating and Air Conditioning Engineers

NFPA: National Fire Protection Association SMACNA: Sheet Metal and Air Conditioning Contractors National Association. Statewide Building Code

### IMC: International Mechanical Code

PERMITS, FEES, INSPECTIONS, LAWS, AND REGULATIONS:

Permits and fees of every nature required in connection with this work shall be obtained and paid for by this contractor who shall also pay for all the installation fees and similar charges. Laws and regulations, which bear upon or affect the various branches of this work shall be complied with by this contractor and are hereby made a part of this contract. All work, which such laws require to be inspected, shall be submitted to the proper public official for inspection and a certificate of final approval must be furnished.

### SEISMIC BRACING:

Provide seismic bracing of mechanical and electrical components where required by code.

### QUALITY ASSURANCE

The contractor shall provide seismic restraint systems to meet total design lateral force requirements for support and restraint of piping, conduit, cable trays and other similar systems and equipment where required by the applicable building code.

SEISMIC BRACING AND SUPPORT OF SYSTEMS AND COMPONENTS

### Seismic restraint designer shall coordinate all attachments with the structural engineer of record. Provide engineered stamped and signed

drawings of seismic design Seismic restraint designer shall provide visual inspection after installation and approve installation of seismic design components. Design analysis shall include calculated dead loads, static seismic loads, and capacity of materials utilized for the connection of the

equipment or system to the structure Analysis shall detail anchoring methods, bolt diameter, and embedment depth.

All seismic restraint devices shall be designed to accept without failure the forces calculated per the applicable building code. Friction from gravity loads shall not be considered resistance to seismic forces. Fire protection systems shall meet the requirements of NFPA-13 and NFPA-14 for the building seismic requirements.

### WORK IN EXISTING SPACES:

General: Care shall be taken when working in existing spaces so as not to damage existing walls and ceilings where work is being

Ceilings: Where work is being performed above ceilings, and the architectural drawings do not indicate ceiling modifications by the general contractor, it shall be the responsibility of this contractor to remove and replace existing ceilings where work is being performed. In those instances, all repair and installation of new grid, ceiling panels, etc shall be the responsibility of this contractor. Match existing finishes. Walls & Floors: It shall be the responsibility of this contractor to patch existing walls and floors and match existing finishes where work is being removed or installed and patching is being performed, unless noted otherwise on the architectural drawings.

### DEMOLITION:

Any Equipment to be demolished shall also include the demolition of any and all ductwork, piping etc serving or served by the equipment, all accessories, air devices, wiring, gas piping, venting, control wiring and power wiring associated with the equipment. Demolition shlal be coordinated with all trades. All materials shall be turned over to the owner or disposed at the owner's direction. Contractor is responsible for reclaiming any refrigerant in association with the demolition in accordance with all local, state and federal

Any roof or wall penetration shall be patched watertight to the satisfaction of the architect.

### TESTS AND ADJUSTMENTS:

No ducts, piping, fixtures or equipment shall be concealed or covered until they have been inspected and approved by the Architect and the inspector who shall be notified by the contractor when the work is ready for inspection. Work shall be completely installed, tested and leak tight before inspection is required. All tests shall be repeated to the satisfaction of those

### making the inspection

METAL DUCTWORK

### DUCTWORK MATERIALS

Exposed Ductwork Materials: Where new/existing ductwork is indicated to be exposed to view in occupied spaces, provide materials which are free from visual imperfections including pitting, seam marks, roller marks, stains and discolorations, and other imperfections, including those which would impair painting. For existing ductwork, repair as required. Exposed ductwork which is to be painted shall have paint grip Sheet Metal: Except as otherwise indicated, fabricate ductwork from galvanized sheet steel, lock forming quality; with G 90 zinc coating and

# mill phosphatized for exposed locations. Minimum gauge shall be 24.

MISCELLANEOUS DUCTWORK MATERIALS Volume Dampers: Provide volume dampers in all branch ducts or as required for balancing to required air flows.

### Fittings: Provide radius type fittings fabricated of multiple sections with maximum 15 deg. change of direction per section. Unless specifically

detailed otherwise, use 45 deg. laterals and 45 deg. elbows for branch takeoff connections. Where 90 deg. branches are indicated, provide conical type tees

Duct Sealant: Non-hardening, non-migrating mastic or liquid elastic sealant, type applicable for fabrication/installation detail, as compounded and recommended by manufacturer specifically for sealing joints and seams in ductwork.

Duct Cement: Non-hardening migrating mastic or liquid neoprene based cement, type applicable for fabrication/installation detail, as compounded and recommended by manufacturer specifically for cementing fitting components, or longitudinal seams in ductwork.

Ductwork Support Materials: Except as otherwise indicated, provide hot-dipped galvanized steel fasteners, anchors, rods, straps, trim and angles for support of ductwork.

### FLEXIBLE DUCTS:

sheath with vinvl vapor barrier jacket.

Either spiral-wound spring steel with flameproof vinyl sheathing, or corrugated aluminum. Unless specifically mentioned, the maximum length of flex duct on the supply equals 5 feet. Flex is not allowed for return, relief or exhaust applications. The flexible ducts indicated for use in the H.V.A.C. system shall conform to the requirements of UL 181 for Class 0 or Class 1 flexible air ducts and shall be so identified. Flexible Ducts: Where installed in unconditioned spaces other than return air plenums, provide 1" thick 1-1/2 lb. continuous flexible fiberglass

Flexible Ducts: Installation is not permitted above drywall ceilings and inaccessible ceilings.

### Shop fabricate ductwork in 4, 8, 10 or 12-ft lengths, unless otherwise indicated or required to complete runs. All ductwork shall be Pittsburgh Construction with a minimum of thickness of 24 gauge. In addition, ductwork used in systems over 3" W.G. shall have cold sealant applied. Shop fabricate ductwork of gauges and reinforcement complying with SMACNA "HVAC Duct Construction Standards".

LINED DUCT

FABRICATION

Fabricate ductwork with duct liner in each section of duct where indicated. Laminate liner to internal surfaces of duct in accordance with instructions by manufacturers of lining and adhesive, and fasten with mechanical fasteners. Duct liner to be 3-lb density for acoustic requirements 1" thick or as noted. Size of ductwork shown on the drawings is free net area, outside dimension of ducts will need to be increased if lined duct is used. Size of ductwork shown on the drawings is free net area, outside dimension of ducts will need to be increased if lined duct is used. Duct Liner: Fibrous glass of thickness indicated. 3-lb density. All liners, insulation and adhesives shall have a flame spread index not more than 25 and a smoke developed index of not more than 50.

### Duct Liner Adhesive:

Duct Liner Fasteners: Comply with SMACNA HVAC Duct Construction Standards.

### INSTALLATION OF METAL DUCTWORK General: Assemble and install ductwork in accordance with recognized industry practices which will achieve air-tight (5% leakage for systems rated 3" and under; 1% for systems rated over 3") and noiseless (no objectionable noise) systems, capable of performing each indicated service. Install each run with minimum number of joints. Align ductwork accurately at connections, within 1/8" misalignment tolerance and with internal surfaces smooth. Support ducts rigidly with suitable ties, braces, hangers and anchors of type which will hold

ducts true-to-shape and to prevent buckling. Support vertical ducts at every floor.

### Sealing: Seal all longitudinal seams, S's and drives and all joints with mastic or cement. Install according to SMACNA standards. Balancing Dampers: The sheet metal contractor shall be fully responsible for installing balancing dampers in the ductwork, (whether shown on the drawing or not) in order to arrive at the intended air flow. The balancing sub-contractor shall provide direction and assistance in determining locations where dampers are required. Additional dampers, if required shall be installed at no additional cost to the owner.

Wall Penetrations: Seal and pack around all ducts and piping sleeves which pass through walls that extend to bottom side of structure and rated walls.

### Field Fabrication: Complete fabrication of work at project as necessary to match shop-fabricated work and accommodate installation requirements.

Routing: Locate ductwork runs, except as otherwise indicated, vertically and horizontally and avoid diagonal runs wherever possible. Run ductwork in shortest route which does not obstruct useable space or block access for servicing building and its equipment. Hold ducts close to walls, overhead construction, columns, and other structural and permanent enclosure elements of building. Limit clearance to 1/2" where furring is shown for enclosure or concealment of ducts, but allow for insulation thickness, if any. Where possible, locate insulated ductwork for 1" clearance outside of insulation. Wherever possible in finished and occupied spaces, conceal ductwork from view, by locating in mechanical shafts, hollow wall construction or above suspended ceilings. Do not encase horizontal runs in solid partitions, except as specifically shown. Coordinate layout with suspended ceiling and lighting layouts and similar finished work.

Electrical Equipment Spaces: Do not route ductwork through transformer vaults and their electrical equipment spaces and enclosures.

Penetrations: Where ducts pass through interior partitions and exterior walls, and are exposed to view, conceal space between construction opening and duct or duct insulation with sheet metal flanges of same gage as duct. Overlap opening on 4 sides by at least 1-1/2". Fasten to duct and substrate.

Where ducts pass through fire-rated floors, walls, or partitions, provide fire dampers and firestopping between duct and substrate, in accordance with requirements of Division-7 Section "Firestopping".

### Coordination: Coordinate duct installations with installation of accessories, dampers, coil frames, equipment, controls and other associated

work of ductwork system. INSTALLATION OF DUCT LINER

General: Install duct liner in accordance with SMACNA HVAC Duct Construction Standards. Size of ductwork shown on the drawings is free net area, outside dimension of ducts will need to be increased if lined duct is used.

Store internally lined ductwork up off of the floor. Protect internally lined ductwork from water and dust. "Butter the leading edge of all internal duct lining with the manufacturer's recommended adhesive Inspect and repair all damaged lining prior to installation of ductwork.

### INSTALLATION OF FLEXIBLE DUCTS

Maximum Length: For any duct run using flexible ductwork, do not exceed 5' - 0" extended length. Installation shall have smooth full radius turns down to diffuser Installation not permitted above inaccessible ceilings.

# ACCESS PANELS:

Furnish all access panels required for proper servicing of equipment. Provide access panels for all concealed valves, vents, controls and cleanout doors, and sprinkler devices required by NFPA. Provide frame as required for finish. Furnish panels to General Contractor. Exact locations to be approved by the Architect. Minimum size to be 12" x 12", units to be 16 gauge steel, locking device shall be screwdriver carr

### HANGERS AND SUPPORTS

Support all piping, ductwork and equipment by hangers or brackets. Furnish structural steel members where required to support piping and equipment. No portion of piping or valves shall be supported by equipment.

![](_page_39_Picture_72.jpeg)

CEILING AIR DIFFUSERS:

Diffuser Faces:

Square: Square housing, core of square concentric louvers, square or round duct connection. Diffuser Mountings Surface Mount: Diffuser shall have rolled edge below finished ceiling for surface mounting or diffuser shall be furnished with accessory

plaster frame. Lay-In: Diffuser housing sized to fit between ceiling exposed suspension tee bars and rest on top surface of tee bar.

Diffuser Dampers: Opposed Blade Dampers: Multiple opposed blade dampers connected to linkage adjustable from face of diffuser with key.

Diffuser Accessories: Plaster Ring: Perimeter ring designed to act as plaster stop and diffuser anchor Titus TRM frame kit

Diffuser Finishes: White Enamel: Semi-gloss white enamel prime finish.

Manufacturer: Subject to compliance with requirements, provide diffusers of one of the following: Anemostat Products Div., Dynamics Corp. of America.

Metal-Aire Titus Products Div., Philips Industries, Inc.

Tuttle and Bailey.

CEILING & WALL REGISTERS & GRILLES:

Steel Construction: Manufacturer's standard stamped sheet steel frame and adjustable blades.

Register Dampers: Opposed Blade: Adjustable opposed-blade damper assembly, key operated from face of register.

Register and Grille Finishes: Register and Grille Finishes: White Enamel: Semi-gloss white enamel prime finish.

Bird Screens: Provide removable bird screens, 1/2" mesh, 16-ga aluminum or brass wire.

Clean and paint units with manufacturer's standard rust-inhibitive metal primer paint

rigidity and strength to withstand maximum lateral forces in addition to superimposed vertical load

Gage and Height: Fabricate units of metal gage and to height above roof surface as indicated. Where gage or height are not indicated fabricate units of 14-ga metal and nominal height of 14"

wall or railing is installed per the local building code. See the architectural plans for coordination

Coordinate ventilator work with work of roofing, walls, and ceilings, as necessary for proper interfacing.

Solder bottom joints and up 2" of side joints of duct under roof ventilator to retain any moisture entering ventilator.

Provide lumber pressure treated with water-borne preservatives for "above ground" use.

Sloping Roof Decks: For deck slopes of 1/4" per foot and more, fabricate support units to form level top edge.

Manufacturer: Subject to compliance with requirements, provide prefabricated roof curbs of one of the following:

Register and Grille Acoustic Performance: NC less than or equal to 30

Manufacturer: Subject to compliance with requirements, provide diffusers of one of the following: Anemostat Products Div., Dynamics Corp. of America.

Titus Products Div., Philips Industries, Inc.

Tuttle and Bailey Price

FANS AND VENTILATORS

CENTRIFUGAL ROOF VENTILATORS

Provide centrifugal roof type, curb mounted, power ventilators of type, size, and capacity as scheduled, and as specified herein.

Type: Centrifugal fan, direct or belt driven as scheduled. Provide aluminum, galvanized steel, or fiberglass weatherproof housings as scheduled. Provide square base to suit roof curb. Provide permanent split-capacitor type motor for direct driven fans; capacitor-start, induction-run type motor for belt driven fans.

### Provide the Following Types of Housing Design

Breidert

Carnes

Cook Co., Loren.

Greenheck Fan Corp

Penn Ventilator Co., Inc

Twin City Fan & Blower

PREFABRICATED ROOF CURBS

seams to form watertight units.

except as otherwise indicated

Custom Curb. Inc.

MicroMet Pate Co.

Shipman.

INSPECTION

specifications

Equipment Manufacturer

Anchor nailer securely to top of metal frame unit.

unsatisfactory conditions have been corrected.

wiring diagram submittal to Electrical Installer.

installation is acceptable to fan Installer

FIELD QUALITY CONTROL

cannot be satisfactorily corrected

ADJUSTING AND CLEANING

SEQUENCE OF OPERATION

Packaged Rooftop Unit

Startup

override feature

Cooling Control

having jurisdiction.

EXHAUST FANS

CONTROLS

CONTROL WIRING

Low Voltage Thermostats

Toilet Exhaust Fans

PACKAGED ROOF TOP UNITS

controlled minimum outdoor air position.

Space Temperature Control

Minimum Outside Air Control

mechanical cooling shall be staged on. Heating Control

Smoke Detector

Unoccupied Mode

10. Night Setback/Shutdown

motor damper shall open and fan shall start. (Indicated by EC on MESCH schedule)

Economizer Control (if existing)

modulate inversely with the economizer damper.

heating the heat pump then electric heating shall be staged on

(Manual)

During the unoccupied mode of operation, the RTU shall go into night setback mode.

Supply Fan Control

SPARE PARTS

INSTALLATION OF POWER AND GRAVITY VENTILATORS

Provide access door in duct below ventilator to service damper.

The unit shall operate on a 7 day/night programmable thermostat.

The supply fan speed shall be constant and set to the required CFM.

Hooded dome type. Electrical: Provide factory-wired non-fusible type disconnect switch at motor in fan housing. Provide thermal overload protection in fan motor. Provide conduit chase within unit for electrical connection.

Provide NEMA 1 disconnect factory mounted. For single phase fractional HP fans use a toggle type disconnect switch. On three phase integral HP fans use a NEMA 1 safety switch

Fabricate structural framing for units of structural guality sheet steel, formed to manufacturer's standard profiles for coordination with roofing

insulation and deck construction. Include 45 deg. cant strips and deck flanges with offsets to accommodate roof insulation. Weld corners and

Reinforce continuous runs of over 3'-0" length, by inserting welded stiffeners of heavy gage with flanges as required to provide sufficient

Provide pressure treated wood nailer, not less than 1-5/8" thick and of width indicated, but not less than width of support wall assembly.

Insulate units inside structural support wall with rigid glass fiber insulation board of approximately 3-lb. density and 1-1/2" minimum thickness,

General: Examine areas and conditions under which power and gravity ventilators are to be installed. Do not proceed with work until

The power ventilator(s) shall be installed a minimum of 10'-0" from any roof edge regardless of location indicated on plans, unless a screen

Access: Provide access and service space around and over fans as indicated, but in no case less than that recommended by manufacturer

Electrical Wiring: Install electrical devices furnished by manufacturer but not specified to be factory-mounted. Furnish copy of manufacturer's

Verify that electrical wiring installation is in accordance with manufacturer's submittal and installation requirements of Division-16 sections.

Ensure that rotation is in direction indicated and intended for proper performance. Do not proceed with centrifugal fan start-up until wiring

Testing: After installation of ventilators has been completed, test each ventilator to demonstrate proper operation of units at performance requirements specified. When possible, field correct malfunctioning units, then retest to demonstrate compliance. Replace units, which

During startup, the fan shall run with the dampers in the full recirculation position. Provide occupied changeover sequence with optimum

start function. When the return air temperature reaches occupied setpoint (adjustable), the minimum outside air damper shall open to the

Provide local wall mounted room temperature thermostat with digital display of room temperature and setpoint (+/- deg. F. adjustable), and

Economizer control shall be enabled whenever the outside air enthalpy is lower than the return air enthalpy. Enthalpy shall be calculated from sensors which are tied to the same controller for accuracy. During economizer mode, the outside air damper shall modulate to 100%

Cooling shall be controlled to maintain temperature setpoint. On a call for cooling, the heating shall be off. On a further call for cooling the

Heating shall be controlled to maintain temperature setpoint. On a call for heating, the mechanical cooling shall be off. On a further call for

When the smoke detector is alarmed, the system shall be alarmed and the air handler shall fail safe with manual reset. Electrical contractor

shall furnish, HVAC Contractor shall mount & Electrical contractor shall wire a UL listed photoelectric smoke detector per local code authority

At night setback/shutdown the RTU shall go to fail safe position. Fail safe position is defined by the following: The supply fan is off, the

outdoor air intake damper is closed, the heating is off and the mechanical cooling is off. The supply fan shall cycle in conjunction with either

Exhaust fans shall be controlled by local manual switch furnished, installed and wired by electrical contractor. When activated, exhaust fan

Electrical contractor will provide power wiring. HVAC contractor shall provide all the low voltage wiring of HVAC units and controls,

from each thermostat/sensor location, turned out above accessible ceilings (in joist space or against overhead slab/deck). The

thermostats and controllers. Thermostat shall be by the manufacturer of the HVAC unit (heat/cool/auto/off) with night setback. Provide

open. The economizer damper shall modulate open on a call for cooling and modulate closed on a call for heating. The return damper shall

Cleaning: Clean factory-finished surfaces. Repair any marred or scratched surfaces with manufacturer's touch-up paint.

uring occupied mode the minimum outside air damper shall be open. Provide motorized outdoor air damper.

the heating or cooling system to maintain a minimum/maximum space temperature depending on the season.

plastic protective cover for all thermostats. Replace controls on existing unit, adjust and calibrate controls.

General: Furnish to Owner, with receipt, one spare set of belts for each belt drive power ventilato

Roof Curbs: Furnish roof curbs to roofing Installer for installation. Install according to roofing manufacturer's recommendation and

Roof Curb: Provide factory fabricated roof curb by the same manufacturer as the equipment. Roof curb to be insulated.

Manufacturer: Subject to compliance with requirements, provide centrifugal roof ventilators of one of the following:

General: Provide manufacturer's standard shop-fabricated units, modified if necessary to comply with requirements.

# General Control Wiring Requirements and Installation Methods

in ceiling cavity and shall be provided with sweep bends, bushings and dragline.

Except where specifically indicated otherwise above, the HVAC/Temperature Control Contractor shall provide all electrical work as required for all temperature control related wiring (i.e. conduit, raceway, outlet boxes, junction boxes, wiring, etc.) in accordance with Division 16 requirements. All conduit shall be 3/4" minimum.

### Coordinate all thermostat/sensor locations in field (case by case) with Architect. Owner and Electrical Contractor to ensure that they are placed in locations that will not interfere with furniture, equipment, artwork, wall-hung specialties, room finishes, etc. All thermostat/sensor wall locations indicated on HVAC drawings are schematic only and must be verified case-by-case prior to rough-in. All electrical work as described in this specification shall be per the latest edition of the National Electrical Code (NEC) and per applicable state and local codes.

Where "free-air" installation methods (either exposed above the ceilings, in bridle rings or in cable trays) are permitted under Division 16 above ceilings, provide plenum-rated cables wherever plenum ceilings (if any) exist and install as defined under Division 16. Install low voltage circuits, located in concrete slabs and masonry walls, in inaccessible locations, or exposed in occupied areas, in electrical conduit regardless of what wiring methods are permitted under Division 16.

Where cable trays or bridle rings are provided by the electrical contractor for low voltage cables, these raceways may be utilized for control wiring by this contractor (provide special color coded jackets, label cable jackets per Division 16 and group control wiring cables together) Provide conduit drops from cable tray/bridle ring paths to wall outlet boxes and equipment unless directed otherwise under Division 16. Regardless of permitted methods in Division 16, all cables/wiring installed concealed by gypsum board, masonry or other inaccessible materials in walls or above ceilings shall be installed in conduit, 3/4" minimum.

All conduit, bridle rings, raceway, outlet boxes, etc. necessary for complete operational installation of control wiring shall be provided (furnished and installed) by the temperature control contractor in strict compliance with Division 16 documents. Coordinate all work with all

# other applicable trades including the electrical contractor

Provide all required conduit work to and between equipment in a manner compliant with that described above (i.e. between VAV boxes, to boilers, starters, condensing units, etc. as applicable).

### Install control wiring without splices between terminal points, color-coded. Install in neat workmanlike manner, securely fastened. Install in accordance with National Electrical Code and per Division 16.

Install circuits over 25 volt with color-coded No. 12 wire in electrical metallic tubing, per Division 16. Install circuits under 25 volt with color-coded No. 18 wire with 0.031" high temperature (105 degs. F [41 degs C]) plastic insulation on each conductor and plastic sheath over all. Install electronic circuits with color-coded No. 22 wire with 0.023" polyethylene insulation on each conductor with plastic-jacketed copper shield over all.

### SMOKE DETECTOR

All duct smoke detectors will be furnished by electrical contractor, installed by the HVAC contractor, and wired by the electrical contractor per local codes HVAC contractor will interlock RTU fan with smoke detector

# MOTOR OPERATED DAMPERS:

All fresh air intakes and exhaust louvers shall have motor operated dampers. Dampers shall be low leak with blade and edge seals. Motor operated dampers shall provided, installed and wired by the mechanical contractor unless otherwise noted. Provide all necessary transformers, contactors, controls and wiring for interlocking equipment to motor operated dampers.

### TESTING, ADJUSTING, AND BALANCING Test, adjust, and balance the following mechanical systems:

Supply air systems, all pressure ranges including variable volume and double duct systems: Return air systems.

### Exhaust air systems. Quality Assurance

Codes and Standards: AABC: "National Standards for Total System Balance".

### ASHRAE: ASHRAE Handbook, 1984 Systems Volume, Chapter 37, Testing, Adjusting, and Balancing. SUBMITTALS

Certified Reports: Submit testing, adjusting, and balancing reports bearing the seal and signature of the Test and Balance Engineer. The reports shall be certified proof that the systems have been tested, adjusted, and balanced in accordance with the referenced standards; are an accurate representation of how the systems have been installed; are a true representation of how the systems are operating at the completion of the testing, adjusting, and balancing procedures; and are an accurate record of all final quantities measured, to establish normal operating values of the systems. Follow the procedures and format specified below:

Final Report: Upon verification and approval prepare final reports, type written, and organized and formatted as specified below. Submit 2 complete sets of final report to the owner / landlord. Report Format: Report forms shall be those standard forms prepared by the referenced standard for each respective item and system to be tested, adjusted, and balanced

### QUALIFICATIONS

The contractor shall procure the services of an independent Balance and Testing Agency, approved by the Engineer, and a member of Associated Air Balance Council (AABC) or NEBB, which specializes in the balancing and testing of heating, ventilating and air conditioning systems, to balance, adjust and test all air and water systems and equipment as herein specified. All work by this agency shall be done under direct supervision of a qualified heating and ventilating Engineer employed by this agency. All instruments used by this agency shall be accurately calibrated and maintained in good working order.

### SEQUENCING AND SCHEDULING

Test, adjust, and balance the air systems before hydronic, steam, and refrigerant systems.

Test, adjust and balance air conditioning systems during summer season and heating systems during winter season, including at least a period of operation at outside conditions within 5 deg F wet bulb temperature of maximum summer design condition, and within 10 deg F dry bulb temperature of minimum winter design condition. Take final temperature readings during seasonal operation. Check all filters for cleanliness, provide new as required. Check dampers (volume and fire) for correct and locked position, and temperature control for completeness of installation before starting fans. Place outlet dampers in full open position. Lubricate all motors and bearings. Check fan belt tension. Check fan rotation.

Open valves to full open position. Remove and clean all strainers. Set temperature controls so all coils are calling for full flow.

Air balance and testing shall not begin until the system has been completed and is in full working order. The Contractor shall put all heating, ventilating and air conditioning systems and equipment into full operation and shall continue the operation of same during each working day of testing and balancing. The contractor shall submit within 30 days after receipt of contract, 8 copies of submittal data for the testing and balancing of the air conditioning, heating, and ventilating systems. The Air Balance and Testing Agency shall provide proof of having successfully completed at least five projects of similar size and scope. The air balancing contractor shall include the additional cost to change every fan factory installed sheave, pulley and/or belt of in order to obtain the design air flows Renovations: In areas where existing HVAC equipment is being utilized, balancing contractor shall include the cost to pre-check each

equipment air flows, serving the area of work, prior to demolition, and re-check and adjust each air handler after new construction. Air flows of existing air handlers serving existing spaces shall be similar after project is complete PERFORMING TESTING, ADJUSTING, AND BALANCING

Perform testing and balancing procedures on each system identified, in accordance with the detailed procedures outlined in the referenced standards

Cut insulation, ductwork, and piping for installation of test probes to the minimum extent necessary to allow adequate performance of procedures. Patch insulation, ductwork, and housings, using materials identical to those removed.

# Seal ducts and piping, and test for and repair leaks.

Seal insulation to re-establish integrity of the vapor barrier.

Mark equipment settings, including damper control positions; valve indicators, fan speed control levers, and similar controls and devices, to show final settings. Mark with paint or other suitable, permanent identification materials.

### Retest, adjust, and balance systems subsequent to significant system modifications, and resubmit test results. DUCTWORK INSULATION.

minimum R value as required by Code.

Provide insulation on all new/existing concealed supply, return and outside air ductwork. All liners, insulation and adhesives shall have a flame spread index not more than 25 and a smoke developed index of not more than 50

Rigid Fiberglass Ductwork Insulation: Glass fibers bonded with a thermosetting resin. Comply with ASTM C 612, Type IB, without facing and with vapor barrier all-service jacket manufactured from kraft paper, reinforcing scrim, aluminum foil, and vinyl film. Insulation shall have a

### Flexible Fiberglass Ductwork Insulation: Glass fibers bonded with a thermosetting resin. Comply with ASTM C 553, Type II, without facing and with vapor barrier all-service jacket manufactured from kraft paper, reinforcing scrim, aluminum foil, and vinyl film. Insulation shall have a minimum R value as required by Code.

Vapor Barrier Material for Ductwork: Paper-backed aluminum-foil, except as otherwise indicated; strength and permeability rating equivalent to factory-applied vapor barriers on adjoining ductwork insulation, where available; with following additional construction characteristics:

High Puncture Resistance: Low vapor transmission (for ducts in exposed areas: Mech. Rooms, etc.)

### Moderate Puncture Resistance: Medium vapor transmission (for ducts in concealed areas). GUARANTEE

The contractor shall provide a guarantee in written form stating that all work under this section shall be free of defective work, materials, or parts for a period of one year from the date of owner's final acceptance and shall repair, revise or replace at no cost to the owner any such defects occurring within the guarantee period. Contractor shall also state in written form that any items or occurrences arising during the guarantee period will be attended to in a timely manner and will in no case exceed four (4) working days from date of notification by owner.

![](_page_39_Picture_145.jpeg)

SEAL:

A PROJECT FOR:

![](_page_39_Picture_148.jpeg)

![](_page_39_Picture_149.jpeg)

CHARMING CHARLIE 5999 SAVOY DRIVE HOUSTON, TEXAS 77036 Phone (713) 579-1975

**REVISIONS:** 

No. Description	Date
Project No.:	11460
Drawn By:	
Reviewed By:	
Scale:	
Date:	09.02.2011
Filename:	

SHEET TITLE:

![](_page_39_Picture_154.jpeg)

![](_page_39_Picture_156.jpeg)