ABBREVIATIONS

ABV above AFF above finish floor ASC above suspended ceiling ACC access ACFL access floor AP access panel AC acoustical ACPL acoustical plaste ACT acoustical tile ACR acrylic plastic ADD addendum ADH adhesive ADJ adjacent ADJT adjustable AGG aggregate A/C air conditioning ALT alternate AL aluminum ANC anchor, anchorage AB anchor bolt ANOD anodized APX approximate ARCH architect (ural AD area drain ASB asbestos ASPH aphalt AT asphalt til AUTO automatic BP back plaster (ed) BSMT basement BRG bearing BPL bearing plate BJT bed joint BM bench mark BEL below BET between BVL beveled BIT bituminous BLK block BLKG blocking BD board BW both ways BOT bottom BRK brick BRZ bronze BLDG building BUR built up roofing BBD bulletin board CAB cabinet CAD cadmium CPT carpet (ed) CSMT casement CI cast iron CIPC cast-in-place concrete CST cast stone CB catch basin CK calk (ing) caulk (ing) CLG ceiling CHT ceiling height CEM cement CPL cement plaster (portland) CM centimeter (s) CER ceramic CT ceramic tile CMT ceramic mosaic (tile CKBD chalkboard CHAM chamfer CR chromium (plated) CIR circle CIRC circumference CLR clear (ance) CLS closure COL column COMB combination COMPT compartment COMPO composition (composite) COMP compress (ed), (ion), (ible) CONC concrete CMU concrete masonry uni CX connection CONST construction CONT continuous or continue CONTR contract (or) CLL contract limit line CJT control ioint CPR copper CG corner guard CORR corrugated CTR counter CFL counterflashing CS countersink CTSK countersunk screw CRS course (s) CRG cross grain CFT cubic foot CYD cubic yard DPR damper DP dampproofing DL dead load DEM demolish, demolition DMT demountable DEP depressed DLT detail DIAG diagonal DIAM diameter DIM dimension DPR dispenser DIV division DR door DA doubleacting DH double hung DTA dovetail anchor DTS dovetail anchor slot DS downspout D drain DRB drainboard DT drain tile DWR drawer DWG drawing DF drinking fountain DW dumbwaiter EF each face E east ELEC electric (al) EP electrical panelboard EWC electric water cooler EL elevation ELEV elevator EMER emergency ENC enclose (ure) EQ equal EQP equipment ESC escalator EST estimate EXCA excavate EXH exhaust EXG existing EXMP expanded metal plate EB expansion bolt EXP exposed EXT exterior EXS extra strong FB face brick FOC face of concrete FOF face of finish FOM face of masonry FOS face of studs FF factory finish FAS fasten fastene FBD fiberboard FN fence FGL fiberglase

IN finish (ed) FFE finished floor elevation FFL finished floor line FA fire alarm FBRK fire brick FE fire extinguisher FEC fire extinguisher cabinet FHS fire hose station FPL fireplace FP fireproof FRC fire-resistant coatin FRT fire-retardant FLG flashing FHMS flathead machine screw FHWS flathead wood screw FLX flexible FLR floor (ing) FLCO floor cleanou FD floor drain FPL floor plate FLUR fluorescent FJT flush joint FTG footing FRG forged FND foundation FR frame (d), (ing) FRA fresh air FS full size FBO furnished by others FUR furred (ing) FUT future GA gage, gauge GV galvanized GI galvanized iron GP galvanized pipe GSS galvanized steel sheet GKT gasket (ed) GC general contract (or GL glass, glazing GLB glass block GLF glass fiber GCMU glazed concrete masonry units GST glazed structural tile GB grab bar GD grade, grading GRN granite GVL gravel GF ground face GT grout GPDW gypsum dry wall GPL gypsum lath GPPL gypsum plaster GPT gypsum tile HH handhold HBD hardboard HDW hardware HWD hardwood HJT head joint HDR header HTG heating HVAC heating/ventilation/air conditioning HD heavy duty HT height HX hexagonal HES high early-strengt HC hollow core HM hollow metal HK hook (s) HOR horizontal HB hose bibb HWH hot water heate INCIN incinerator INCL include (d), (ing) ID inside diameter INS insulate (d), (ion) INSC insulating concrete INSF insulating fill INT interior ILK interlock INTM intermediate INV invert IPS iron pipe size JC janitor's closet joint JF ioint filler J joist KCPL keene's cement plaster KPL kickplate KIT kitchen KO knockout LBL label LAB laboratory LAD ladder LB lag bolt LAM laminate LAV lavatory LH left hand length LT light LC light control LP lightproof LW lightweight LWC lightweight concrete LMS limestone LTL lintel LL live load LVR louver LPT low point MB machine bolt MI malleable iron MH manhole MFR manufacture (er) MRB marble MFR manufacture (er) MAS masonry MO masonry opening MTL material (s) MAX maximum MECH mechanic (al MC medicine cabinet MFD medium MBR member MMB membrane MET metal MFD metal floor decking MTFR metal furring MRD metal roof decking MTHR metal threshold M meter MM millimeter (s) MWK millwork MIN minimum MIR mirror MISC miscellaneous MOD modular MLD molding, moulding MR mop receptor MT mount (ed), (ing) MOV movable MULL mullion NL nailable NAT natural NI nickel NR noise reduction NRC noise reduction coefficient NOM nominal NOM nonmetallic N North NIC not in contract NTS not to scale

OBS obscure OC on center (s) OP opaque OPG opening OJ open-web joist OPP opposite OPH opposite hand OPS opposite surface OD outside diameter OHMS ovalhead machine screw OHWS ovalhead wood screw OA overall OH overhead PNT paint (ed) PNL panel PB panic bar PTD paper towel dispense PTR paper towel receptor PAR parallel PK parking PBD particle board PTN partition PV pave (d), (ing) PVMT pavement PED pedestal PERF perforate (d) PERI perimeter PLAS plaster PLAM plastic laminate PL plate PG plate glass PWD plywood PT point PVC polyvinyl chloride PE porcelain enamel PTC post-tensioned concrete PCF pounds per cubic foot PFL pounds per linear foot PSF pounds per square foot PSI pounds per square inch PCC precast concrete PFB prefabricate (d) PFN prefinished PRF preformed PSC prestressed concretee PL property line QT quarry tile RBT rabbet, rebate RAD radius RL rail (ing) RWC rainwater conductor REF reference RFL reflect (ed),(ive)(or) REFR refrigerator REG register RE reinforce (d), (ing) RCP reinforced concrete pipe REM remove **RES** resilient RET return RA return air RVS reverse (side) REV revision (s), revised RH right hand ROW right of way R riser RVT rivet RD roof drain RFH roof hatch RM room RO rough opening RB rubber base RBT rubber tile RBL rubber stone SFGL safety glass SCH schedule SCN screen SNT sealant STG seating SEC section SSK service sink SHTH sheating SHT sheet SG sheet glass SH shelf, shelving SHO shore (d), (ing) SIM similar SKL skylight SL sleeve SC solid core SP sound proof S south SPC spacer SPK speaker SPL special SPEC specification(s) SQ square SST stainless steel STD standard STA station ST steel STO storage SD storm drain STR structural SCT structural clay tile SUS suspended SYM symmetry (ical) SYN synthetic SYS system TKBD tackboard TKS tackstrip TEI telephone TV television TC terra cotta TZ terrazzo THK thick (ness) THR threshold TPTN toilet partition TPD toilet paper dispenser TOL tolerance T&G tongue and groove TSL top of slab TST top of steel TW top of wall TB towel bar TR transom T tred opening TYP typical UC undercut UNF unfinished UR urinal VJ v-joint VB vapor barrier VAR varnish VNR veneer VRM vermiculite VERT vertical VG vertical grain VIN vinvl VAT vinvl asbestos tile VB vinyl base VF vinyl fabric VT vinyl tile WSCT wainscot WTW wall to wall WH wall hung WC water closet WP waterproofing WR water repellent WS waterstop WWF welded wire fabric W west WHB wheel bumper W width, wide WIN window WG wired glass WM wire mesh WO without WD wood WB wood base

WPT working point WI wrought iron

CITY OF LA JOYA NEW PUBLIC SAFETY BUILDING NEW CITY HALL & RENOVATIONS

GENERAL NOTES

1. ALL CONSTRUCTION INCLUDING MATERIAL AND WORKMANSHIP, SHALL CONFORM TO THE 2012 INTERNATIONAL BUILDING CODE.

2. ALL ASTM STANDARDS LISTED HERE WITHIN, SHALL BE AS REFERENCED IN THE LATEST ISSUE OF THE ANNUAL BOOK OF STANDARDS OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS.

3. THE CONTRACTOR, SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE BEGINNING WORK. THE ARCHITECT AND ENGINEER SHALL IMMEDIATELY BE NOTIFIED OF ANY DISCREPANCIES. THE CONTRACTOR SHALL CAREFULLY STUDY AND COORDINATE THE MECHANICAL, PLUMBING, & ELECTRICAL SYSTEMS WITH THE ARCHT. WORK PRIOR TO INSTALLATION & SHALI NOTIFY THE ARCHITECT IN WRITING OF ALL APPARENT INCONSISTENCIES FOR CLARIFICATION.

4. ALL OMISSIONS AND OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER. WORK SHOULD NOT PROCEED UNTIL A SOLUTION IS GIVEN BY THE ARCHITECT/ ENGINEER.

5. IN CASE OF CONFLICTS BETWEEN GENERAL NOTES AND DETAILS, THE DETAILS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES. TYPICAL DETAILS SHALL BE USED WHENEVER APPLICABLE.

6. IF A SPECIFIC DETAIL IS NOT SHOWN FOR ANY PART OF WORK, THE CONSTRUCTION SHALL BE THE SAME AS FOR SIMILAR WORK.

 COORDINATE FOUNDATION PLANS AND MECHANICAL DRAWINGS, FOR ALL OPENINGS, INSERTS AND OTHER RELATED ITEMS.

8. THE CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND CONDITIONS BEFORE COMMENCING. ENGINEER SHALL BE NOTIFIED OF CONFLICT OF DISCREPANCIES.

9. DIMENSIONS ARE TO FINISH FACE OF WALLS UNLESS NOTED OTHERWISE

10. ADDITIONAL MISCELLANEOUS STEEL ITEMS NOT SHOWN ON STRUCTURAL DRAWINGS MAY BE REQUIRED. GENERAL CONTRACTOR AND FABRICATOR SHALL COORDINATE ALL REQUIREMENTS AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ALL APPARENT INCONSISTENCIES FOR CLARIFICATION.

11. DO NOT DIMENSION THESE DRAWINGS. ANY DIMENSIONS, QUESTIONS, SHOULD BE DIRECTED TO THE ARCHITECT OR ENGINEER.

PROJECT CONTACTS

OWNER:

CITY OF LA JOYA 101 N. LEO AVE. LA JOYA, TX. 78560

ARCHITECT: RODOLFO R. MOLINA JR., A.I.A

MILNET ARCHITECTURAL SERVICES 608 S. 12th STREET McALLEN, TEXAS 78501 (956) 688-5656 (956) 687-9289 F

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M.E.P.: LEO MUNOZ, P.E.

STRUCTURAL: SIMON SOLORIO, P.E.

TRINITY MEP ENGINEERING 3533 MORELAND DR. SUITE A WESLACO, TEXAS 78596 (956) 973-0500 (956) 351-5750 F

SOLORIO, INC. 108 W. 18TH ST. MISSION, TEXAS 78572 (956) 631-1500 (956) 584-7407 F CIVIL: MARIANO GARCIA, P.E.

CONSTRUCTION MANAGER: MICHAEL MONTALVO

MGE CIVIL ENGINEERING 400 NOLANA SUITE N2 McALLEN, TEXAS 78504 (956) 687-9421 (956) 687-3211 F

HOLCHEMONT LTD. 900 NORTH MAIN ST. McALLEN, TEXAS 78501 (956) 686-2901 (956) 686-2925 F

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LA JOYA CITY COUNCIL

| JOSE A. "FITO" SALINAS | MAYOR | | |
|--|-----------------------|--|--|
| MARY SALINAS | MAYOR PRO TEM | | |
| ANNA LISA RUIZ | COMMISSIONER | | |
| VICTORIO SALINAS | COMMISSIONER | | |
| MARIA E. "GENY" SALINAS | COMMISSIONER | | |
| MIKE ALANIZ | CITY ADMINISTRATOR | | |
| RAMON GONZALEZ | CHIEF OF POLICE | | |
| SIGNATURE BLOCK | | | |
| OWNER: CITY OF LA JOYA | | | |
| ARCHITECT: MILNET ARCH | ITECTURAL SERVICES | | |
| CONTRACTOR: HOLCHEMONT LTD. | | | |
| AGENCY: USDA RD | | | |
| SYMBOLS | | | |
| XX/X.X | ELEVATION SYMBOL | | |
| | SECTION/DETAIL SYMBOL | | |
| | WALL TYPE SYMBOL | | |
| OFFICE 101 | | | |
| (100) — DOOR NUM. | DOOR SYMBOL | | |
| SITE LOCATION | | | |
| SALOMON CHAPA ST. CEDAR ST. BIRCH ST. LS MgnB ASH ST. LS ONOWNG CONVERSE LS ONOWNG CONVERSE LS ONOWNG CONVERSE LS ONOWNG CONVERSE LS ONOWNG CONVERSE CO | SALOMON CHAPA ST. | | |







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OF

SITE PLAN NOTES

GENERAL SITE NOTES:

- 1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY, COUNTY, STATE, FEDERAL AND OSHA REGULATIONS.
- 2. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, RAMPS, SIDEWALKS, EXIT PORCHES, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY ENTRANCE LOCATIONS, AND TOTAL NUMBER, LOCATION, AND SIZE OF DOWNSPOUTS.
- 3. ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED
- 4. ALL ISLANDS WITH CURB & GUTTER SHALL BE LANDSCAPED. THOSE ISLANDS ARE TO HAVE 18" CURB & GUTTER. ALL REMAINING ISLANDS ARE TO BE STRIPPED AS SHOWN.
- 5. ALL DIMENSIONS AND RADII ARE TO THE BACK OF CURB, EDGE OF PAVEMENT, CENTER OF STRIPE OR OBJECT, OR FACE OF BUILDING UNLESS OTHERWISE NOTED.
- 6. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS THAT ARE TO BE ABANDONED, REMOVED OR RELOCATED, SHALL BE DONE IN A PROPER MANNER OFFSITE, AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
- 8. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED "THE CITY STANDARD SITE WORK SPECIFICATIONS".
- 9. CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REPLACEMENT OF PROPERTY CORNERS.
- 10. CONTRACTOR SHALL MATCH EXISTING CURB & GUTTER IN GRADE, SIZE, TYPE AND ALIGNMENT WHERE APPLICABLE.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO DAMAGE OF ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING.

DEMOLITION PLAN NOTES

"CAUTION" - NOTICE TO CONTRACTOR:

THE CONTRACTOR IS PUT ON NOTICE THAT THERE ARE NUMEROUS UNDERGROUND UTILITIES IN THE LINE OF WORK, INCLUDING WATER, SEWER, GAS, TELEPHONE IRRIGATION (CONCRETE PIPE) AND ELECTRIC. THERE MAY BE OTHER UTILITIES INCLUDING CABLE TELEVISION. TELECOMMUNICATIONS AND OTHERS, SOME OF THESE UTILITIES MAY BE ABANDONED, WHILE MANY ARE ACTIVE.

THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN CONDUCTING EXCAVATION OPERATIONS, AND IF ANY EXISTING UTILITIES ARE DAMAGED, THEY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER. THE CONTRACTOR IS TO BE AWARE THAT IF ANY EXISTING UTILITIES ARE SHOWN ON THE PLANS THEY ARE SHOWN IN THEIR APPROXIMATE LOCATION ONLY AND THAT THE EXISTING UTILITIES SHOWN REPRESENT ONLY A DILIGENT EFFORT TO SHOW THE APPROXIMATE LOCATION OF SOME OF THE UTILITIES.

THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST FILED LOCATION OF UTILITIES

"NOTICE TO CONTRACTOR" - TEXAS ONE CALL SYSTEM:

AS REQUIRED BY THE "TEXAS UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT" TEXAS ONE CALL SYSTEM MUST BE CONTACTED (800-245-4545) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATIONS PERFORMED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT TEXAS ONE CALL SYSTEM.

GENERAL DEMOLITION NOTES:

- 1. NO EARTH DISTURBING ACTIVITIES SHALL COMMENCE UNTIL ALL PERIMETER EROSION CONTROL MEASURES ARE IN PLACE IN ACCORDANCE WITH THE EROSION & SEDIMENT CONTROL PLAN
- 2. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH ALL REGULATIONS GOVERNING THE DEMOLITION, REMOVAL, TRANSPORTATION AND DISPOSAL OF ALL DEMOLITION DEBRIS.
- 3. THE CONTRACTOR SHALL LOCATE AND REMOVE ALL UNDERGROUND UTILITY PIPING, IRRIGATION PIPING, AND CONDUIT ON EXISTING SITE AS PART OF THE BASE BID, UP TO A DEPTH OF 24 INCHES BELOW EXISTING GRADES
- 4. CONTRACTOR SHALL LOCATE AND REMOVE ALL UNDERGROUND UTILITY CABLES (ELECTRIC, TELEPHONE, ETC.) ON THIS SITE UP TO A DEPTH OF 24 INCHES BELOW EXISTING GRADES AS PART OF BASE BID.
- 5. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS FOR EXCAVATING AND TRENCHING PROCEDURES. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, ETC. AS NECESSARY FOR THESE OPERATIONS, AND SHALL COMPLY WITH ALL OSHA PERFORMANCE CRITERIA.
- 6. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL PROPERTY CORNER MONUMENTS, AND SHALL HAVE, AT HIS EXPENSE, ALL CORNER MONUMENTS REPLACED WHICH ARE DISTURBED BY CONSTRUCTION ACTIVITIES.
- 7. NOTES SHOWN HERE ON REGARDING SPECIFIC ITEMS OF DEMOLITION ARE GENERAL IN NATURE, AND ARE NOT INTENDED TO BE WHOLLY INCLUSIVE. THE CONTRACTOR SHALL DEMOLISH AND REMOVE ALL EXISTING IMPROVEMENTS TO THE EXTENT AS NOTED IN THE SPECIFICATIONS, TO THE SATISFACTION OF THE OWNER.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING DISCONNECTION OF ALL UTILITIES SERVING THE EXISTING SITE WITH THE APPROPRIATE UTILITY COMPANY, AND SHALL OBTAIN APPROVAL FROM SAME TO COMMENCE DEMOLITION ACTIVITIES.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLUGGING, CAPPING, OR OTHERWISE TERMINATING UTILITY SERVICE LINES AT EXISTING METER LOCATIONS, CLEANOUTS, ETC.

INSPECTIONS/CERTIFICATIONS NOTE:

ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.

UTILITY PLAN NOTES

GENERAL UTILITY NOTES:

1. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.

2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.

3. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED, THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING, THE WATER LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE, MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 50). CONTRACTOR SHALL BE RESPONSIBLE FOR ADDING 45° BENDS WHERE NECESSARY TO ROUTE PROPOSED WATER LINES AROUND PROPOSED STORM SEWER.

4. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE CITY UTILITY DEPARTMENT AS TO LOCATION AND SCHEDULING OF TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.

5. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.

6. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED PRIOR TO BACKFILLING.

7. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.

8. DRAWINGS TO NOT PURPORT TO SHOW ALL EXISTING UTILITIES. 9. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO

INSTALLATION OF THE WATER AND SEWER LINES.

INSTALLATION OF ANY NEW LINES. 10. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND

11. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURE. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS OUTLINED BY OSHA.

12. CONTRACTOR SHALL REFER TO ARCHITECTS PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE: SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE AND GAS SERVICE.

13. ALL STEEL ENCASEMENT PIPE SHALL HAVE A WALL THICKNESS OF 0.25 INCHES.

14. ALL SANITARY SEWER AND WATER LINES SHALL COMPLY WITH THE REQUIREMENTS AS SPECIFIED IN THE SITE WORK SPECIFICATIONS.

15. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING, TO CENTERLINE OF MANHOLE, FACE OF BUILDING, OR BACK OF CURB UNLESS OTHERWISE NOTED.

16. IN THE EVENT OF DAMAGE TO UNDERGROUND FACILITIES, WHETHER SHOWN OR NOT SHOWN IN THE DRAWINGS, THE CONTRACTOR SHALL MAKE THE NECESSARY REPAIRS TO PLACE THE FACILITIES BACK IN SERVICE AT NO INCREASE IN THE CONTRACTOR'S PRICE, AND ALL SUCH REPAIRS SHALL CONFORM TO THE REQUIREMENTS OF THE COMPANY OR AGENCY SERVICING THE FACILITY.

17. THE CONTRACTOR SHALL EXERCISE EXTRA CARE TO PREVENT DAMAGE TO ALL OTHER STRUCTURES IN THE AREA INCLUDING BUILDINGS. FENCES, ROADS, PIPELINES, UTILITIES, ETC., WHETHER PUBLICLY OR PRIVATELY OWNED.

18. UNTIL ACCEPTANCE BY THE ENGINEER OF ANY PART OR ALL OF THE CONSTRUCTION. AS PROVIDED FOR IN THE PLANS AND SPECIFICATIONS IT SHALL BE UNDER THE CHARGE AND CARE OF THE CONTRACTOR, AND HE SHALL TAKE EVERY NECESSARY PRECAUTION AGAINST INJURY OR DAMAGE TO ANY PART OF THE WORK. THE CONTRACTOR SHALL REBUILD REPAIRS, RESTORE AND MAKE GOOD, AT HIS OWN EXPENSE, ALL INJURIES OR DAMAGE TO ANY PORTION OF THE WORK BEFORE ITS COMPLETION AND ACCEPTANCE.

19. COORDINATE ALL UTILITY WORK WITH PLUMBING PLANS BEFORE COMMENCING ANY UTILITY WORK. REFER TO PLUMBING PLANS FOR CONTINUATION.

20. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE CITY FOR ANY CONSTRUCTION DONE ON PUBLIC R.O.W. AND SHALL INCLUDE TRAFFIC CONTROL AS REQUIRED.

21. NOTICE TO CONTRACTOR: TEXAS ONE CALL SYSTEM AS REQUIRED BY "THE TEXAS UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT" TEXAS ONE CALL SYSTEM MUST BE CONTACTED (800-245-4545) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATIONS PERFORMED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT TEXAS ONE CALL SYSTEM.

22. CONTRACTOR SHALL VISIT EXISTING CONDITIONS OF THE SITE. 23. CONTRACTOR SHALL IDENTIFY ALL UNDERGROUND LINES BEFORE COMMENCING WORK.CONTRACTOR SHALL ADJUST ANY ELECTRICAL

LINES THAT CONFLICT WITH CONSTRUCTION OF THESE IMPROVEMENTS.

TRAFFIC CONTROL NOTE:

GUIDELINES SET FORTH IN PART IV "STANDARDS AND GUIDES FOR TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT OPERATIONS" OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MOST RECENT EDITION AS REVISED) SHALL BE OBSERVED.

UTILITY PLAN DETAIL NOTES

GENERAL NOTES FOR WATER CONSTRUCTION:

- DISINFECTION OF NEW WATER MAINS SHALL BE IN CONFORMANCE WITH AWWA C601 & C651. ALL NEW WATER MAINS SHALL BE DISINFECTED BEFORE THEY ARE PLACED IN SERVICE. ALL WATER MAINS TAKEN OUT OF SERVICE FOR INSPECTING, REPAIRING OR OTHER ACTIVITY WHICH MIGHT LEAD TO CONTAMINATION OF WATER SHALL BE DISINFECTED BEFORE THEY ARE RETURNED TO SERVICE.
- 2. ALL WATER LINE PIPE FURNISHED SHALL MEET THE REQUIREMENTS OF AWWA C900. LATEST REVISION. HYDROSTATIC TEST SPEC. SHALL BE 150 P.S.I FOR 8 HOURS OR 180 P.S.I. FOR 4 HOURS.
- DUCTILE IRON PIPE SHALL CONFORM TO AWWA C110 STANDARDS ..
- 4. CONTRACTOR SHALL PROVIDE ADEQUATE THRUST BLOCKING TO WITHSTAND THRUST PRESSURE. NO SEPARATE PAY.
- 5. WATER LINE TRENCHES INSIDE STREET RIGHT OF WAY SHALL HAVE SAND BEDDING TO THE SPRINGLINE OF THE PIPE AND THEN BACKFILLED WITH SELECT FILL IN MAX 8" LIFTS AND COMPACTED TO A MINIMUM OF 95% STD. DENSITY, AT +/-3% OF OPTIMUM MOISTURE CONTENT.
- 6. MAINTAIN A MINIMUM OF 18 INCHES VERTICAL CLEARANCE BETWEEN WATER LINES AND ALL OTHER UTILITIES.
- 7. UNLESS OTHERWISE APPROVED, ALL WATER MAINS SHALL BE PLACED A MINIMUM DEPTH OF 4'-6' BELOW TOP OF PROPOSED STREET CURBS OR 48" OF COVER ABOVE PIPE LOCATED IN STREET RIGHT OF WAY OR EASEMENTS.
- 8. ALL CONCRETE BLOCKING SHALL CONSIST OF 3000-P.S.I. CONCRETE. 9. ALL WORK AND MATERIAL SHALL BE SUBJECT TO CITY ENGINEERS
- APPROVAL DURING CONSTRUCTION AND UPON COMPLETION.
- 10. ALL WATER SERVICE LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH GOVERNING REGULATIONS.
- 11. TRACER WIRE SHALL BE INSTALLED ON ALL PUBLIC WATER LINES.

MANHOLE TESTING

MANHOLES SHALL BE TESTED FOR LEAKAGE SEPARATELY AND INDEPENDENTLY OF THE WASTEWATER LINES BY HYDROSTATIC EXFILTRATION TESTING, VACUUM TESTING OR OTHER METHODS ACCEPTABLE TO THE COMMISSION. IF A MANHOLE FAILS A LEAK TEST, THE MANHOLE MUST BE MADE WATER TIGHT AND RETESTED. THE MAXIMUM LEAKAGE FOR HYDROSTATIC TESTING SHALL BE 0.025 GALLONS PER FOOT DIAMETER PER FOOT ON MANHOLE DEPTH PER HOUR.

SEWER PIPE TESTING:

EXFILTRATION TESTS SHALL BE PERFORMED ON ALL SEWER PIPE USING LOW PRESSURE AIR TEST. THE PROCEDURE FOR THE LOW PRESSURE AIR TEST SHALL CONFORM TO THE PROCEDURE DESCRIBED IN ASTM C-924, ASTM F-1417, OR OTHER APPROPRIATE PROCEDURES.

DEFLECTION TESTING:

DEFLECTION TEST SHALL BE PERFORMED ON ALL FLEXIBLE PIPES. FOR PIPE WITH INSIDE DIAMETERS LESS THAN 27 INCHES, A RIGID MANDREL SHALL BE USED TO MEASURE DEFLECTION. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%.

GENERAL NOTES FOR SEWER CONSTRUCTION:

- THE TOP ELEVATION OF MANHOLES AND CLEANOUTS CONSTRUCTED IN PAVED AREAS SHALL MATCHED FINISHED PAVEMENT GRADE. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN GRASSED AREAS SHALL BE SIX (6) INCHES ABOVE FINISHED GRADE (UNI ESS OTHERWISE NOTED)
- 2. SEWER PIPE DIAMETERS AND MATERIAL SHALL BE AS INDICATED ON
- PLANS AND SPECIFICATIONS.
- IN THE EVENT PLANS OR STANDARD DETAILS CONFLICT WITH THE CITY PLUMBING ORDINANCES, CITY ORDINANCES SHALL CONTROL AND BE ADHERED TO IN ALL CASES.
- 4. CONTRACTOR MUST BE LICENSED AND BONDED BY THE CITY.
- 5. PIPE SHALL BE BURIED A MINIMUM OF 4'.
- 6. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE.
- 7. REPAIR OF ALL EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 8. CONTRACTOR SHALL MAKE EVERY EFFORT POSSIBLE TO MINIMIZE THE DISTURBANCE OF ALL EXISTING SHRUBS, LAWNS, AND OTHER LANDSCAPING FEATURES AND SHALL COORDINATE REMOVAL OF TREES WITH OWNERS OR ENGINEER.
- 9. PLUGS BETWEEN THE EXISTING AND PROPOSED SYSTEM SHALL BE REMOVED ONLY WHEN THE PROPOSED SANITARY SEWERS HAVE BEEN COMPLETED, TESTED AND ACCEPTED. NO PLUG SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
- 10. SEWER SERVICE SHALL BE MAINTAINED TO ALL RESIDENCES AT ALL TIMES. IF FOR ANY REASON. THE CONTRACTOR NEEDS TO INTERRUPT SERVICE, HE SHALL FIRST OBTAIN APPROVAL FROM ENGINEER.
- 11. ALL CUT & PLUG OF SEWER LINES SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS. NO SEPARATE PAY WILL BE ALLOWED.
- 12. WHENEVER SANITARY SEWER CROSSES WITHIN 10 FEET ABOVE OR BELOW A WATER LINE, THE SANITARY SEWER SHALL BE CONSTRUCTED OF D.I., CLASS 50, PRESSURE PIPE OR AWWA C900 PVC FOR A MINIMUM DISTANCE OF 10 FEET ON EITHER SIDE OF THE WATER LINE.
- 13. ALL SANITARY SEWER MAINS SHALL BE SDR-26 PVC WITH 4' MINIMUM BURY, PIPE PER THE CITY REQUIREMENTS.
- 14. P.V.C. PIPE SHALL HAVE BELL AND SPIGOT JOINTS. NO CHEMICALLY
- 15. GRADES FOR SEWER MAINS MAY BE VARIED FROM ELEVATIONS INDICATED ON THE PLANS ONLY ON THE DIRECTION AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE, AND BY THE CITY.
- 16. ALL UTILITIES MAY BE OPEN-CUT UNLESS SPECIFICALLY NOTED OTHERWISE. REPAIR OF ALL EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 17. ALL DUCTILE IRON PIPE SHALL BE POLYETHYLENE LINED.

WELDED JOINTS SHALL BE PERMITTED.

- NEEDED, AND EXISTING PIPES TO BE CLEANED TO REMOVE ALL SILT AND
- DEBRIS
- RETURN IT TO EXISTING CONDITIONS OR BETTER.

- - TO 95% PROCTOR.
 - REQUIRED.

 - ROADWAYS.
 - (ON-SITE) IMPROVEMENTS.

 - INLETS.

STORM SEWER PLAN NOTES

STORM SEWER NOTES

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT SIZE, NUMBER AND LOCATION OF ALL ROOF DRAINS.

2. IF THE CONTRACTOR RELOCATES BENCHMARK WITH A NEW BENCHMARK, IT SHALL BE LOCATED WITHIN A TOLERANCE OF 0.10'. 3. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND BE CONSTRUCTED TO SAME.

4. SEE SPECIFICATIONS FOR BACKFILLING AND COMPACTION **REQUIREMENTS OF STORM SEWER TRENCHES.**

5. ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE GROUTED WITH NON-SHRINK GROUT TO ASSURE A WATERTIGHT FIT.

6. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE TRAFFIC BEARING LIDS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISHED GRADE. LIDS SHALL BE LABELED "STORM SEWER'

7. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS OUTLINED IN THE T.P.D.E.S. PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING SWPPP AND REOUIRED PERMITS. 8. CONTRACTOR SHALL UTILIZE PREFABRICATED BENDS. FIELD

FABRICATED BENDS OR RADIUS PIPE TO ACCOUNT FOR DEFLECTIONS IN STORM SEWER PIPE WHERE SHOWN HEREON.

9. PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION. 10. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS

11. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO

12. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR FROM INVERT IN TO INVERT OUT.

13. REINFORCED CONCRETE PIPE SHALL BE CLIII RUBBER GASKET



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GRADING PLAN NOTES

GENERAL GRADING NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.

2. ALL CUT OR FILL SLOPES SHALL BE 3:1 UNLESS OTHERWISE NOTED. 3. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS

NECESSARY TO ASSURE SMOOTH FIT AND CONTINUOUS GRADE.

4. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.

5. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPED 3:1 OR STEEPER.

6. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.

7. STRIP THE TOP 6" OF TOPSOIL AND VEGETATION FROM PROPOSED PAVING AND SIDEWALKS. STRIPPED TOPSOIL MAY BE STOCKPILED AND USED FOR FILL IN LANDSCAPE AND LAWN AREAS PROVIDED IT IS FREE OF ROCKS AND TRASH.

8. FILL BELOW PROPOSED PAVEMENT AREAS MAY BE SELECT FILL WITH PLASTICITY INDEX RANGING FROM 5-17%.

9. ALL SIDEWALKS SHALL HAVE A MINIMUM SLOPE OF 1/4" PER FOOT. ELEVATIONS OF TOP OF CURB NEAR BUILDING ASSUME 1/4" PER FOOT SLOPE ACROSS COVERED ENTRY AND SIDEWALK.

10. EXPANSION JOINTS TO BE PLACED WHERE BUILDING FOUNDATION MEETS CONCRETE PAVEMENT OR SIDEWALK.

11. ALL REQUIRED SELECT FILL TO BE PLACED IN 6" LIFTS WITH COMPACTION

12. ALL CURB AND GUTTER TO BE BACKFILLED AND STABILIZED AS

13. ALL GRADING TO BE ESTABLISHED TO PROVIDE SURFACE TO DRAINAGE. 14. ALL OBSTRUCTIONS BUILDINGS, POLES, WIRES, SLABS, FENCING, OR GUARD RAILS CONFLICTING WITH THE PROPOSED IMPROVEMENTS TO BE REMOVED, RELOCATED AND OR DISPOSED OF BY CONTRACTOR AS PER ENGINEERS WRITTEN INSTRUCTIONS.

15. HANDICAP SIGNAGE TO CONFORM WITH FEDERAL REGULATIONS (A.D.A.). 16. CONTRACTOR TO INCLUDE ALL STRIPING FOR PARKING LOTS, STREETS &

17. CIVIL ENGINEER WILL NOT PROVIDE CONSTRUCTION STAKING ON

18. CONTRACTOR TO GRADE SWALES AS REQUIRED FROM SIDEWALK DRAINAGE OPENINGS, FIRE LANES, CULVERTS AND CURB SLOTS TO

19. CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL THROUGHOUT THE DURATION OF THE CONSTRUCTION.

20. CONTRACTOR SHALL PROVIDE SWPPP AS PART OF PERMITTING PROCESS.



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| P R | | C T N 215009 D A T E Y 15, 20 DR CONS | U M B E 117 TRUCTIO |



LOT 26



015' UTILITY EASEMENT

LOT B



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| | LEGEND |
|---|--------------------------------|
| • | FD. 1/2 INCH IRON ROD |
| 0 | SET 1/2 INCH IRON ROD |
| Ø | FD. 60-D NAIL |
| ÷ | EXISTING LIGHT POLE |
| Ø | EXISTING POWER POLE |
| \leftarrow | EXISTING GUY WIRE |
| \bigcirc | EXISTING TEL. PEDESTAL |
| | EXISTING TRAFFIC SIGN |
| G | EXISTING GAS METER |
| W | EXISTING WATER METER |
| Ε | EXISTING ELECTRICAL BOX |
| Š | EXISTING GAS VALVE |
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| Ō | EXISTING FIRE HYDRANT |
| | EXISTING MAIL BOX |
| \bigcirc | EXISTING STAND PIPE |
| | EXISTING IRRIGATION VALVE |
| A.C | EXISTING AIR CONDITIONING UNIT |
| \odot | EXISTING CLEAN OUT |
| | EXISTING SPRINKLER VALVE |
| BFP | EXISTING BACK FLOW PREVENTER |
| 0 | EXISTING CURB INLET |
| | EXISTING GRATE INLET |
| | EXISTING GRATE INLET |
| and and the second s | EXISTING TREE |
| * | EXISTING PALM TREE |
| | EXISTING SHRUB |
| (S) | EXISTING SANITARY SEWER |
| | EXISTING STORM SEWER |
| U | MANHOLE |
| -WL | EXISTING WATER LINE |
| - SS | EXISTING SANITARY SEWER LINE |
| | EXISTING STORM SEWER LINE |
| - — IKK — — | EXISTING IRRIGATION LINE |

EXISTING CONDITION









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SCALE: 1"= 30"









CONSTRUCTION NOTE

PRIOR TO INSTALLATION OF NEW UTILITIES CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES WHICH MAY CONFLICT WITH PROPOSED ALIGNMENT OF NEW FACILITIES.

| | LEGEND |
|-----|--|
| | PROPOSED WATER LINE |
| FDC | PROPOSED FIRE DEPARTMENT CONNECTION |

| — WL — | PROPOSED WATER LINE |
|--------|--|
| FDC | PROPOSED FIRE DEPARTMENT CONNECTION |
| — FL — | PROPOSED FIRE LINE |
| — SS — | PROPOSED SANITARY SEWER LINE |
| — FM — | PROPOSED FORCEMAIN LINE |
| IRR — | PROPOSED IRRIGATION LINE |

UTILITY LAYOUT SCALE: 1"=30"

Milnet Architectural Services AMERICAN INSTITUTE OF ARCHITECTS

| | NEW PUBLIC SAFETY BUILDING AND | | | | |
|---|--------------------------------|-----|--|--|--|
| PROJECT NUMBER 215009 DATE MAY 15, 2017 ISSUED FOR CONSTRUCTION | | | | | |
| | | | | | |
| <u>S</u> H | E | E T | | | |
| | OF | | | | |
| <u> </u> | | | | | |



| | THRUST BLOCK REQUIREMENTS VS. FITTING TYPE | | | | | | | | | |
|-----|--|---|--|---|--|---|--|---|---|--|
| | DIAMETER | "X" | END/TEE | 90° | BEND | 45° | BEND | 22.59 | 9 BEND | 11. |
| ARD | (IN.) | (FT.) | (S.F.) | (S.F.) | (LB.) | (S.F.) | (LB.) | (S.F.) | (LB.) | (S.F |
| | 4 | 1 | 1.4 | 1.9 | 3839 | 1.0 | 2077 | 0.5 | 1059 | 0.3 |
| 5 | 6 | 1 | 2.8 | 4.0 | 7932 | 2.1 | 4293 | 1.1 | 2188 | 0.5 |
| U | 8 | 1.25 | 4.8 | 6.8 | 13646 | 3.7 | 7385 | 1.9 | 3765 | 0.9 |
| | 10 | 1.25 | 7.3 | 10.3 | 20528 | 5.6 | 11110 | 2.8 | 5664 | 1.4 |
| | 12 | 1.50 | 10.3 | 14.5 | 29030 | 7.9 | 15711 | 4.0 | 8009 | 2.0 |
| | 14 | 1.75 | 13.8 | 19.5 | 39001 | 10.6 | 21107 | 5.4 | 10760 | 2.7 |
| | 16 | 2 | 17.8 | 25.2 | 50442 | 13.6 | 27299 | 7.0 | 13917 | 3.5 |
| | <u>NOTES</u> : | <u>.</u> | | | | | | | | |
| | 1. THRUS | ST BLOCKIN | G TO BE PLA | CED AT | ALL DEA | D ENDS | S, TEES, I | BENDS, | WYES, A | AND |
| | REDUC 2. MINIM ARE IN | CERS AND C UM AREAS : A POUNDS | OTHER AREAS SHOWN ARE | S THAT I IN SQU | REQUIRE | THRUS' T, BLOC | T RESIST K WEIGH | 'ANCE. ITS FOR | VERTIC | CAL BI |
| | 3. THRUS BEARII PRESS | ST BLOCK A NG PRESSU URE IS LES | REAS SHOW RE OF 2000 S OR THE SO | N ARE E PSF, AN DIL BEAI | BASED ON D MINIM RING CAI | N A TEST UM 30" PACITY I | Г PRESSU COVER. IS GREAT | JRE OF IF REQU TER, THI | 150 P.S. JIRED TI E CONTH | .I., SO EST RACTO |
| | 5 | MARD (IN.) 4 6 6 8 10 12 14 16 1. THRUS REDUC 2. MINIM ARE IN 3. THRUS BEARII PRESS | MARD (IN.) (FT.) 4 1 6 1 8 1.25 10 1.25 12 1.50 14 1.75 16 2 NOTES: 1. THRUST BLOCKIN REDUCERS AND C 2. MINIMUM AREAS ARE IN POUNDS. 3. 3. THRUST BLOCK A BEARING PRESSU PRESSURE IS LESS | MARD (IN.) (FT.) (S.F.) 4 1 1.4 6 1 2.8 8 1.25 4.8 10 1.25 7.3 12 1.50 10.3 14 1.75 13.8 16 2 17.8 1. THRUST BLOCKING TO BE PLA REDUCERS AND OTHER AREAS 2. MINIMUM AREAS SHOWN ARE ARE IN POUNDS. 3. THRUST BLOCK AREAS SHOW BEARING PRESSURE OF 2000 PRESSURE IS LESS OR THE SC | MARD (IN.) (FT.) (S.F.) (S.F.) 4 1 1.4 1.9 6 1 2.8 4.0 8 1.25 4.8 6.8 10 1.25 7.3 10.3 12 1.50 10.3 14.5 14 1.75 13.8 19.5 16 2 17.8 25.2 NOTES: 1. THRUST BLOCKING TO BE PLACED AT REDUCERS AND OTHER AREAS THAT D 2. MINIMUM AREAS SHOWN ARE IN SQU ARE IN POUNDS. 3. 3. THRUST BLOCK AREAS SHOWN ARE E BEARING PRESSURE OF 2000 PSF, AN PRESSURE IS LESS OR THE SOIL BEAR | MARD (IN.) (FT.) (S.F.) (S.F.) (LB.) 4 1 1.4 1.9 3839 6 1 2.8 4.0 7932 6 1 2.8 4.0 7932 8 1.25 4.8 6.8 13646 10 1.25 7.3 10.3 20528 12 1.50 10.3 14.5 29030 14 1.75 13.8 19.5 39001 16 2 17.8 25.2 50442 NOTES: 1. THRUST BLOCKING TO BE PLACED AT ALL DEA REDUCERS AND OTHER AREAS THAT REQUIRE 2. MINIMUM AREAS SHOWN ARE IN SQUARE FEE ARE IN POUNDS. 3 THRUST BLOCK AREAS SHOWN ARE IN SQUARE FEE ARE IN POUNDS. 3. THRUST BLOCK AREAS SHOWN ARE BASED ON BEARING PRESSURE OF 2000 PSF, AND MINIM PRESSURE IS LESS OR THE SOIL BEARING CAT | MARD (IN.) (FT.) (S.F.) (I.B.) (S.F.) 4 1 1.4 1.9 3839 1.0 6 1 2.8 4.0 7932 2.1 8 1.25 4.8 6.8 13646 3.7 10 1.25 7.3 10.3 20528 5.6 12 1.50 10.3 14.5 29030 7.9 14 1.75 13.8 19.5 39001 10.6 16 2 17.8 25.2 50442 13.6 NOTES: 1. THRUST BLOCKING TO BE PLACED AT ALL DEAD ENDS REDUCERS AND OTHER AREAS THAT REQUIRE THRUS 2. MINIMUM AREAS SHOWN ARE IN SQUARE FEET, BLOC ARE IN POUNDS. 3. 3. THRUST BLOCK AREAS SHOWN ARE BASED ON A TESS BEARING PRESSURE OF 2000 PSF, AND MINIMUM 30" PRESSURE IS LESS OR THE SOIL BEARING CAPACITY | MARD (IN.) (FT.) (S.F.) (I.B.) (S.F.) (I.B.) 4 1 1.4 1.9 3839 1.0 2077 6 1 2.8 4.0 7932 2.1 4293 8 1.25 4.8 6.8 13646 3.7 7385 10 1.25 7.3 10.3 20528 5.6 11110 12 1.50 10.3 14.5 29030 7.9 15711 14 1.75 13.8 19.5 39001 10.6 21107 16 2 17.8 25.2 50442 13.6 27299 Image: Notes: 1 Thrust Blocking to Be Placed At All Dead Ends, tress, tress, treeducers and other Areas that require thrust resists 2 Minimum Areas Shown Are in square feet, block weigh Are in Pounds. 3 Thrust Block Areas Shown Are Based on A test pressure pressure of 2000 PSF, AND MINIMUM 30" cover. Pressure is less or the soil bearing capacity is great | MARD (IN.) (FT.) (S.F.) (I.B.) (S.F.) (I.B.) (S.F.) 4 1 1.4 1.9 3839 1.0 2077 0.5 6 1 2.8 4.0 7932 2.1 4293 1.1 8 1.25 4.8 6.8 13646 3.7 7385 1.9 10 1.25 7.3 10.3 20528 5.6 11110 2.8 12 1.50 10.3 14.5 29030 7.9 15711 4.0 14 1.75 13.8 19.5 39001 10.6 21107 5.4 16 2 17.8 25.2 50442 13.6 27299 7.0 NOTES: 1. THRUST BLOCKING TO BE PLACED AT ALL DEAD ENDS, TEES, BENDS, REDUCERS AND OTHER AREAS THAT REQUIRE THRUST RESISTANCE. 2. MINIMUM AREAS SHOWN ARE IN SQUARE FEET, BLOCK WEIGHTS FOR ARE IN POUNDS. 3. THRUST BLOCK AREAS SHOWN ARE BASED ON A TEST PRESSURE OF BEARING PRESSURE OF 2000 PSF, AND MINIMUM 30° COVER. IF REQU PRESSURE OF | MARD (IN.) (FT.) (S.F.) (I.B.) (G.S.F.) (I.B.) <th< td=""></th<> |

| | 6 | CONCRETE THRUST BLOCKS | 2 |
|--|---|---|---|
| ED TO HAVE A MIN. 2'-0" E ALAMO IRON WORKS CHES OF COVER FROM ON. 28 DAYS COMPRESSIVE O FOR 2" SERVICE. CABLE FOR LINE SIZES 1" QUIRED FOR LINE | | | |
| ROVIDED CE LINE | | UTILITY LAYOUT DETAILS SCALE: NTS | |
| | 7 | NOT USED | 3 |
| | | | |





| M. GARCIA | ENGINEERING |
|-----------|-------------|
| | |
| | JL |
| CIVIL | ENGINEERING |



| | KEYED NOTES |
|---|--|
| | NEW A.D.A. RAMPS |
| 2 | NEW 5' PAVER RAMP, 1:12 SLOPE TYP. |
| 3 | NEW 6' SIDEWALK, PAVERS TO MATCH EXISTING, TYP. |

CONSTRUCTION NOTE

CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES WHICH MAY CONFLICT WITH PROPOSED ALIGNMENT OF NEW FACILITIES.

LEGEND

| ά Δ. Δ. Δ. | NEW CONCRETE SIDEWALK |
|----------------------|----------------------------------|
| | NEW HEAVY DUTY CONCRETE PAVEMENT |
| TC=100.00 | NEW TOP OF CURB ELEVATION |
| TW=100.00 | NEW TOP OF WALK ELEVATION |
| TP=100.00 | NEW TOP OF PAVEMENT ELEVATION |
| TOP=100.00 | NEW TOP OF INLET ELEVATION |
| FL=100.00 | NEW FLOW LINE ELEVATION |
| PG=100.00 | NEW PROPOSED GRADE ELEVATION |
| | NEW DIRECTION OF RUN-OFF |
| — ST — | PROPOSED STORM SEWER LINE |

PAVING & GRADING LAYOUT SCALE: 1"= 30'



PROJECT NUMBER 215009 DATE MAY 15, 2017





<u>-C5.0</u>

| NOT USED | 17 | NOT USED |
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| | LEGEND |
|-------|---|
| CE SF | SEDIMENT CONTROL FENCE CONSTRUCTION ENTRANCE |

SEDIMENT & EROSION

CONTROL PLAN LAYOUT







EMBED POSTS 18" MIN.

ATTACH THE W.W.M. & FABRIC ON END POSTS USING 4 EVENLY SPACED STAPLES FOR WOODEN POSTS (OR 4 T-CLIPS OR SEWN VERTICAL POCKETS FOR STEEL POSTS).

PLACE 4" TO 6" OF FABRIC AGAINST THE TRENCH SIDE AND APPROX. 2" ACROSS TRENCH BOTTOM IN UPSTREAM DIRECTION. MINIMUM TRENCH SIZE SHALL BE 6" SQUARE. BACKFILL AND HAND TAMP.

SEDIMENT & EROSION CONTROL DETAILS SCALE: NTS

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TEMPORARY SEDIMENT CONTROL FENCE

1

GENERAL

- THIS CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING SAFETY NETS, SUPPORT AND BRACING FOR CRANES, POLES, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS METHODS TECHNIQUES. SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR THE ENGINEER DO NOT INCLUDE INSPECTION OF THE ABOVE AND BELOW
- 2. ALL CONSTRUCTION AND QUALITY OF MATERIALS SHALL COMPLY WITH THE GOVERNING BUILDING CODES AND REGULATIONS. THE CONTRACTOR SHALL Verify ALL DIMENSIONS, ELEVATIONS, TOLERANCES AND CONDITIONS AT THE JOB SITE BEFORE COMMENCEMENT OF WORK AND SHALL
- IMMEDIATELY REPORT ANY DISCREPANCIES OR OMISSIONS TO THE ARCHITECT AND ENGINEER IN WRITING. ANY OMISSION OR CONFLICT BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED. IN CASE OF CONFLICT; NOTES AND DETAILS ON THE BALANCE OF THE DRAWINGS TAKE
- PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DRAWINGS TAKE PRECEDENCE OVER SPECIFICATIONS.
- WHERE CONSTRUCTION DETAILS ARE NOT SPECIFICALLY SHOWN OR NOTED FOR ANY PART OF THE WORK. SUCH DETAILS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS SHOWN FOR SIMILAR CONDITIONS AND MATERIALS. WHERE SUFFICIENTLY SIMILAR WORK IS NOT SHOWN, THE ENGINEER SHALL BE CONSULTED FOR CLARIFICATION. EACH SUBCONTRACTOR IS CONSIDERED AN EXPERT IN HIS RESPECTIVE FIELD AND SHALL PRIOR TO THE SUBMISSION OF A BID OR PERFORMANCE OF WORK, NOTIFY THE GENERAL
- CONTRACTOR, ARCHITECT, ENGINEER OR OWNER, IN WRITING OF ANY WORK CALLED OUT ON THE DRAWINGS IN HIS TRADE THAT CANNOT BE GUARANTEED OR PERFORMED AS INDICATED THE CONTRACTOR SHALL COORDINATE ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AS TO WEIGHTS AND EXACT LOCATIONS, WITH STRUCTURAL SUPPORTS. IN THE EVENT THAT
- THE PURCHASED EQUIPMENT DEVIATES IN WEIGHT AND LOCATION FROM THOSE INDICATED ON THE PLANS, THE ARCHITECT AND ENGINEER MUST BE NOTIFIED AND APPROVAL OBTAINED PRIOR TO INSTALLATION. THIS STRUCTURE IS DESIGNED AS A STABLE UNIT AFTER ALL COMPONENTS ARE IN PLACE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY BRACING AS REQUIRED TO INSURE THE VERTICAL AND LATERAL STABILITY OF THE ENTIRE STRUCTURE, OR ANY PORTION THEREOF, DURING CONSTRUCTION. 9. NEITHER THE OWNER NOR THE ARCHITECT NOR THE ENGINEER WILL ENFORCE SAFETY
- MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- 10. TRADE NAMES AND MANUFACTURERS REFERRED TO ARE FOR QUALITY STANDARDS ONLY. SUBSTITUTIONS WILL BE PERMITTED AS APPROVED BY THE ENGINEER. 11. ANY OPTIONS OR APPROVED SUBSTITUTIONS ARE FOR CONTRACTORS CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES, ADDITIONAL COSTS (INCLUDING
- REDESIGN BY THE ENGINEER), AND COORDINATION WITH ALL ITEMS THAT THE SUBSTITUTIONS MAY IMPACT.
- 12. THE ARCHITECT AND ENGINEER ARE TO BE NOTIFIED IN WRITING WHEN CONSTRUCTION AT THE SITE BEGINS.
- 13. ANY QUESTIONS RELATED TO INTERPRETATION OR INTENT OF THESE DRAWINGS SHALL BE REFERRED TO THE ENGINEER.
- 14. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO LOCATE AND PROJECT ANY EXISTING UNDERGROUND OR CONCEALED CONDUIT, PLUMBING, OR OTHER UTILITIES
- PRIOR TO BEGINNING ANY WORK 15. PIPES, DUCTS, SLEEVES, CHASES, ETC. SHALL NOT BE PLACED IN BEAMS OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED. NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC. UNLESS NOTED CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC.

DESIGN

DESIGN LOADS, STRUCTURAL ANALYSIS AND PREPARATIONS OF STRUCTURAL MEMPERS ARE RASED LIDON THE FOLLOW/INC ODITED

| CODE: | RS ARE BASED OPON THE FOLL | JWING CRITERIA. | C 20 |)12 |
|--------|--------------------------------|---|------------|-------|
| LATERA | L LOADS | | | |
| Α. | WIND SPEED (V ³ s): | 1: | 30 N | /IPH |
| В. | EXPOSURE CATEGORY: | | С | |
| С. | IMPORTANCE FACTOR: | 1.* | 15 | |
| D. | BUILDING CATEGORY | | | |
| Ε. | SEISMIC DESIGN CATEGORY | | Α | |
| F. | SITE CLASS | | D | |
| G. | SEISMIC COEFFICIENTS | | D | |
| | Ss | 0.056 | g | |
| | S1 | 0.014 | g | |
| | Fa | 2 | .5 | |
| | Fv | 3 | .5 | |
| | Sms | 0.140 | g | |
| | Sm1 | 0.050 | g | |
| | Sds | 0.093 | g | |
| | Sd1 | 0.033 | g | |
| VERTIC | AL LOADS | | | |
| RO | OF: | | | |
| Α. | COLLATERAL LOAD: | | 0 F | PSF |
| В. | DEAD LOAD: | ACTUAL WEIGH | IT P | PSF |
| C. | LIVE LOAD: (REDUCIBLE) | | 20 F | PSF |
| D. | WIND UPLIFT LOAD (NET): | AS CALCULATED BY SUB-CONTRACTO | R P | PSF |
| Ε. | GROUND SNOW LOAD: | | <u>0</u> F | PSF |
| F. | CRANE LOADS: | | IE A | |
| G. | MECHANICAL UNITS | SEE PLAN | S | |
| FLC | DOR: | | | |
| Α. | DEAD LOAD: | ! | 50 F | PSF |
| В. | LIVE LOAD, OFFICE: | ! | 50 F | PSF |
| C. | LIVE LOAD, LIGHT STORAGE | 12 | 25 F | PSF |
| D. | LIVE LOAD, HEAVY STORAGE: | 2 | 50 F | PSF |
| E. | LIVE LOAD, CLASSROOM: | 4 | 40 F | PSF |
| F. | LIVE LOAD, CORRIDOR: | |)0 F | PSF |
| G. | MECHANICAL UNITS | SEE PLAN | S | |
| SUBSUF | RFACE INFORMATION | | | |
| Α. | PREPARED BY: | MEG, 01-15-29198, dated October 21, 207 | 15 | |
| В. | SHALLOW FOUNDATION | | | |
| | MINIMUM FOOTING DEPTH: | 2 | 24 IN | ICHES |
| | MINIMUM FOOTING WIDTH: | 1 | 2 1 | ICHES |
| | ALLOWABLE BEARING PRESSU | RE (CONTINUOUS FOOTINGS): 160 | 0 P | SF |
| | ALLOWABLE BEARING PRESSU | RE (ISOLATED FOOTINGS): 190 | 0 P | SF |
| | WIRE REINFORCEMENT INSTITU | JTE (WRI) CRITERIA | | |
| | CLIMATIC RATING (Cw) | `´´´ | 5 | |
| | | | | |

EFFECTIVE PLASTICITY INDEX (UNDISTURBED, NATIVE SOIL) EFFECTIVE PLASTICITY INDEX (SITE IMPROVED SOIL) PVR (UNDISTURBED SOIL) 2.5 INCHES PVR (WITH SITE IMPROVEMENT 1.0 INCH

Sheet List

| Sheet Number | Sheet Name |
|-----------------|--------------------------|
| | |
| S101 | General Notes |
| S102 | General Notes |
| S201 | Foundation Plan |
| S302 | Roof Framing Plan |
| S401 | Typical Concrete Details |
| S402 | Foundation Details |
| S403 | Typical CMU Details |
| S404 | Typical Framing Details |
| S601 | Building Sections |

SHOP DRAWINGS AND

- SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED FOR REVIEW TO THE ENGINEER FOR EACH STRUCTURAL BUILDING MATERIAL AS INDICATED IN THE STRUCTURAL GENERAL NOTES AND THE CONTRACT SPECIFICATIONS. SEE THE
- CONTRACT SPECIFICATIONS FOR SUBMITTAL PROCEDURES AND ADDITIONAL INFORMATION SHOP DRAWINGS SHALL USE DRAFTING LINE WORK AND LETTERING THAT IS CLEARLY LEGIBLE. SHOP DRAWINGS SHALL NOT CONTAIN NO REPRODUCTIONS OF THE CONTRACT DRAWING PLANS OR DETAILS.
- SUBMIT SHOP DRAWINGS IN PDF FORMAT. SHOP DRAWINGS SHALL NOT SHOW MATERIALS FOR MORE THAN ONE LEVEL OF THE SAME PLAN
- SHOP DRAWINGS SHALL SHOW CLEAR AND COMPLETE INFORMATION FOR THE FABRICATION (DETAIL SHEETS AND/OR MATERIAL LISTS) AND INSTALLATION.
- ALLOW A MINIMUM OF (2) WEEKS FOR REVIEW OF EACH SET OF SHOP DRAWINGS. CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS SUBMITTED BY THE SUB-CONTRACTOR AND COORDINATE SHOP DRAWINGS WITH ALL OTHER TRADING.
- CONTRACTOR SHALL ANSWER ALL QUESTIONS OR CLARIFICATIONS BY THE SUB-CONTRACTOR BEFORE SUBMITTING TO ENGINEER FOR REVIEW. ANY QUESTIONS THAT THE CONTRACTOR CANNOT ANSWER WITH THE INFORMATION ON THE DRAWINGS SHALL
- CLEARLY BE MARKED FOR THE ENGINEER FOR REVIEW. 9. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, SEE NOTE NUMBER 3 UNDER GENERAL NOTES. REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL CONFORMANCE TO
- THE STRUCTURAL DRAWINGS. REVIEW OF THE SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEF THE CONTRACTOR FOR ANY ERRORS IN DIMENSIONS OR MATERIALS INDICATED ON THE SHOP DRAWINGS.
- IF THERE IS ANY DISCREPANCY BETWEEN THE STRUCTURAL DRAWINGS AND SHOP DRAWINGS, THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS GOVERN. INFORMATION THAT IS NOT INDICATED ON THE SHOP DRAWINGS SHALL BE OBTAINED FROM THE STRUCTURAL DRAWINGS 12.
- PROVIDE SUBMITTALS FOR THE FOLLOWING ITEMS ITEM
- A. CONCRETE MIX DESIGN
- B. CURING COMPOUND FOR CONCRETE . REINFORCING STEEL
- D. STRUCTURAL STEEL STEEL JOIST
- METAL DECKING (INDICATE LAYOUT AND TYPES OF DECK PANELS, ANCHORAGE DETAILS, REINFORCING CHANNELS, PANS, DECK OPENINGS,
- SPECIAL JOINTING, ACCESSORIES, AND ATTACHMENTS TO OTHER CONSTRUCTION.)
- . PRE-MANUFACTURED METAL BUILDING (INCLUDE CALC'S & REACTIONS) I. PRE-MANUFACTURED WOOD TRUSSES

REINFORCING

- BAR REINFORCEMENT SHALL CONFORM TO THE FOLLOWING GRADES OF ASTM A615 INCLUDING SUPPLEMENT S1. GRADE 40 - #3 AND SMALLER GRADE 60 - #4 AND LARGER. 2. DETAILS OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF THE AMERICAN CONCRETE INSTITUTE (ACI) 318, UNLESS OTHERWISE NOTED. VERTICAL REINFORCEMENT SHALL BE TIED OR OTHERWISE FIXED IN POSITION AT THE TOP AND BOTTOM AND AT INTERMEDIATE LOCATIONS, SPACED NOT GREATER THAN 192 BAR
- DIAMETERS OR 48" O.C. WHICH EVER IS LESS. IN MASONRY CONSTRUCTION, THE REINFORCEMENT SHALL BE SECURED IN PLACE WITH REBAR SPACERS AND SHALL NOT BE SPACED APART MORE THAN 48 INCHES ON CENTER. WELDED STEEL WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185. 5. WALLS, PILASTER, COLUMNS SHALL BE DOWELED TO THE SUPPORTING FOOTINGS WITH
- REINFORCEMENT OF THE SAME SIZE, GRADE AND AT THE SAME SPACING AS THE VERTICAL REINFORCEMENT IN THE WALLS, PILASTER, OR COLUMNS 6. BAR SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH THE PROVISIONS OF "BAR SUPPORT SPECIFICATIONS" AS CONTAINED IN THE LATEST EDITION OF THE "MANUAL OF STANDARD PRACTICE" BY THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI). PLASTIC
- CHAIRS ARE NOT ALLOWED. FOR SLAB ON GRADE AND GRADE BEAMS, USE CONCRETE BRICK CHAIRS REINFORCING STEEL DETAILING, BENDING AND PLACING SHALL BE IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE", LATEST 18.
- FDITION 8. ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE BEFORE PLACING CONCRETE OR GROUT; INCLUDING EXTERIOR DOWELS FOR CMU OR CONCRETE WALLS. PROVIDE CORNER BARS TOP AND BOTTOM AT ALL BEAM CORNERS AND DEAD END BEAM INTERSECTIONS. BARS TO EQUAL SIZE AND QUANTITY OF THE NOTED BEAM STEEL. BARS SHALL LAP BEAM REINFORCEMENT 40 BAR DIAMETERS.
- 10. BARS DETAILED AS CONTINUOUS SHALL BE LAPPED 40 BAR DIAMETERS AT SPLICES. 11. EXTEND THE SLAB REINFORCING STEEL, PERPENDICULAR TO BEAM, TO THE TOP OUTSIDE REINFORCING BAR OF PERIMETER BEAMS. START THE SLAB REINFORCING STEEL, PARALLEL TO BEAM, NOT MORE THAN 6" FROM THE TOP INSIDE REINFORCING BAR OF PERIMETER
- 12. PROVIDE #4 "Z" BARS AT 12" ON CENTER WHERE THE SLAB STEPS DOWN MORE THAN 3". THE "Z" BARS SHALL LAP THE MAIN SLAB REINFORCING STEEL 40 BAR DIAMETERS 13. ALL CONDUIT OR PLUMBING LINES IN SLAB SHALL BE PLACED BELOW SLAB REINFORCING
- ALL CONDUIT TO BE NO GREATER THAN 1" DIAMETER AND TO BE PLACED IN CENTER OF SLAB, NO PLUMBING LINES GREATER THAN 1 INCH ALLOWED IN THE SLAB 14. WELDING OF CROSSING BARS AND TACK WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED
- 15. WELDING OF REINFORCING STEEL, IF PERMITTED BY THE STRUCTURAL ENGINEER, SHALL BE 19. PERFORMED IN ACCORDANCE WITH THE "STRUCTURAL WELDING CODE REINFORCING STEEL" ON THE AMERICAN WELDING SOCIETY, AWS D1.4-96 AS INCORPORATED IN CBC CHAPTER No. 19, AND BY CERTIFIED WELDERS QUALIFIED USING PROCEDURES CONTAINED THEREIN, E70XX ELECTRODES SHALL BE USED IN WELDING GRADE 60 REINFORCEMENT. REINFORCEMENT SHALL NOT BE WELDED UNTIL A CHEMICAL ANALYSIS SUFFICIENT TO DETERMINE THE CARBON EQUIVALENT (C.E.) IS PERFORMED. THE C.E. OF REINFORCING STEEL SHALL BE CALCULATED FORM THE CHEMICAL COMPOSITION AS SHOWN IN THE MILL TEST REPORT. IF MILL TEST REPORTS ARE NOT AVAILABLE, A CHEMICAL ANALYSIS SHALL BE MADE ON REINFORCEMENT REPRESENTATIVE OF THOSE TO BE WELDED. THE C.E. SHALL NOT EXCEED 0.55 AS CALCULATED PER IBC CHAPTER 19, A COPY OF THE MILL TEST OF REINFORCING STEEL IN CONCRETE MEMBERS. (SPECIAL INSPECTION IS REQUIRED FOR ALL
- FIELD WELDING) 16. CONTRACTOR SHALL SUBMIT REINFORCING STEEL SHOP DRAWINGS FOR REVIEW BEFORE FABRICATION AND INSTALLATION 17. CONCRETE COVER FOR REINFORCING AS FOLLOWS:

EXPOSURE CONDITION

| | COVER | |
|--|--------|--|
| DRILLED PIERS, FOOTINGS AND OTHER PRINCIPAL STRUCTURAL | | |
| MEMBERS IN WHICH CONCRETE IS DEPOSITED AGAINST GROUND: | 3" | |
| WHERE CONCRETE SURFACES, AFTER REMOVAL OF FORMS, | | |
| ARE EXPOSED TO WEATHER OR GROUND: | | |
| FOR BARS 5/8" IN DIAMETER | 2" | |
| FOR BARS 5/8" OR LESS IN DIAMETER | 1 1/2" | |
| WHERE SURFACES ARE NOT DIRECTLY EXPOSED TO WEATHER | | |
| OR GROUND: | | |
| FOR SLAB ON GRADE (FROM TOP OF SLAB) | 1 1/2" | |
| FOR BEAMS, COLUMNS | 1 1/2" | |
| FOR JOISTS AND SLABS | 1" | |

18. LAPS AT BAR SPLICES, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS: MASONRY - GRADE 60: LAP 50 DIA. (30" MIN.)

GRADE 40: LAP 48 DIA. (24" MIN.) CONCRETE - LAP PER SCHEDULE BELOW

| UNCRETE | - LAF FER SUF | IEDULE BELOW | | |
|---------|---------------|---------------|------------|---------|
| | BAR SPLICE | LAP LENGTH IN | I CONCRETE | |
| BAR | f'c = | f'c = | f'c = | f'c = |
| SIZE | 2000 PSI | 3000 PSI | 4000 PSI | 5000 PS |
| #3 | 22 | 22 | 22 | 22 |
| #4 | 29 | 29 | 29 | 29 |
| #5 | 40 | 36 | 36 | 36 |
| #6 | 57 | 46 | 43 | 43 |
| #7 | 77 | 63 | 54 | 54 |
| #8 | 100 | 82 | 71 | 71 |
| #9 | 128 | 104 | 90 | 90 |
| #10 | 162 | 132 | 115 | 115 |
| #11 | 200 | 163 | 141 | 141 |

FOR WELDED WIRE FABRIC: SPACING OF WIRE PLUS 12".

ABBREVIATION

| TYP | TYPICAL |
|--------|-----------------------|
| SIM | SIMILAR |
| T&S | TYPICAL AND SIMILAR |
| U.N.O. | UNLESS NOTED OTHERWIS |
| CLR | CLEAR |
| (V) | VERTICAL |
| | |

STRUCTURAL

1. MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE AISC

| | SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND |) ERECTI | ON OF STRUC | TURAL |
|-----|---|-----------|----------------|----------------|
| - | STEEL FOR BUILDINGS. | | | |
| 2. | STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLO | WING AS | TM DESIGNAT | IONS: |
| | MATERIAL | DES | GNATION | STRENGTH |
| | ANCHOR BOLTS | A36 | | Fy=36 ksi |
| | PLATES | A36 | | Fy=36 ksi |
| | ANGLES | A36 | | Fy=36 ksi |
| | CHANNELS | A36 | | Fy=36 ksi |
| | WIDE FLANGE SHAPES | A572 | | Fy=50 ksi |
| | STEEL PIPE | A53 | GRADE B | Fy=35 ksi |
| | SQUARE & RECT. STEEL TUBES (HSS) | A500 | GRADE B | Fy=46 ksi |
| | _ROUND TUBES (HSS) | 500 | _GRADE B | Fy=42 ksi |
| 3. | ALL STRUCTURAL STEEL SHALL BE FABRICATED, EREC | CTED, AN | D PAINTED IN | |
| | ACCORDANCE WITH THE SPECIFICATIONS FOR THE DE | ESIGN, FA | ABRICATION, A | ND |
| | ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AS | S AMENDE | ED TO DATE A | ND THE |
| | CODE OF STANDARD PRACTICE, LATEST EDITION AS A | DOPTED | BY THE AMER | RICAN |
| | INSTITUTE OF STEEL CONSTRUCTION, AMENDED AS F | OLLOWS | | |
| | SECTION 4.2.1, DELETE FIRST TWO SENTENCES. | | | |
| | SECTION 7., ALL REFERENCE TO OWNER SHALL E | BE CHAN | GED TO GENE | RAL CONTRACTOR |
| | SECTION 7.9.3, THE CONTRACTOR SHALL PROVID | DE THE SE | EQUENCE AND | SCHEDULE OF |
| | PLACEMENT OF NON-SELF SUPP | ORTING | STEEL FRAME | S. |
| | SECTION 7.9.4, THE CONTRACTOR TO DESIGN SH | ORES, JA | ACKS OR LOAD | DS. |
| 4. | WELDING SHALL BE DONE IN ACCORDANCE WITH THE | STANDA | RD CODE FOR | R ARC AND |
| | GAS WELDING IN BUILDING CONSTRUCTION AS PUBLIS | SHED BY | THE AMERICA | N WELDING |
| | SOCIETY, EXCEPT THAT ALL WELDING SHALL BE DONE | E BY THE | ELECTRIC AR | C PROCESS. |
| | ALL WELDING SHALL BE PERFORMED BY CERTIFIED W | ELDERS | AND SHALL C | ONFORM |
| | TO ANSI/AWS D1.1-04 | | | |
| 5. | DETAILED AND OR SCHEDULED CONNECTIONS HAVE E | BEEN DES | SIGNED BY ST | RUCTURAL |
| _ | ENGINEER. ANY CONNECTION NOT DETAILED OR SCH | EDULED | OR ALTERED | FOR |
| | FABRICATION PURPOSES SHALL BE SIZED AND DETAIL | ED BY F | ABRICATOR A | ND SHALL |
| 1 | BE MARKED FOR ENGINEER'S VERIFICATION. FABRICA | ATOR SIZ | ED AND DETAI | ILED |
| - | CONNECTIONS SHALL SUPPORT ONE HALF THE TOTAL | _ UNIFOR | M LOAD CAPA | CITY |
| - | SHOWN IN THE TABLES OF UNIFORM CONSTANTS, PAR | RT 2 OF T | HE AISC MAN | UAL OF |
| - | STEEL CONSTRUCTION FOR THE GIVEN BEAM, SPAN A | ND GRAI | DE OF STEEL S | SPECIFIED. |
| _ | THE EFFECT OF ANY CONCENTRATION LOADS MUST B | BE TAKEN | INTO ACCOU | NT. |
| 6. | SEE ARCHITECTURAL PLANS FOR MISCELLANEOUS ST | EEL ITEN | IS NOT INDICA | ATED ON |
| | STRUCTURAL DRAWINGS. STEEL ITEMS SHOWN ON AF | RCHITEC | FURAL DRAWI | NGS AND |
| | NOT SPECIFIED ON THE STRUCTURAL DRAWINGS SHA | LL BE DE | SIGN BY THE | STEEL |
| _ | FABRICATOR. SEE DESIGN CRITERIA FOR LOADING. | | | |
| 7. | ALL WELDED CONNECTIONS SHALL BE MADE USING 1/ | 4" FILLET | WELD, U.N.O | |
| 8. | ALL BOLTED CONNECTIONS SHALL BE MADE USING 3/4 | 4" DIAME | | ENGIH |
|] | BOLTS, ASTM A325, BEARING TYPE CONNECTION W/ W | ASHERS | ASTM F436, U | .N.O. ON |
| | DESIGN DRAWINGS. SPECIAL INSPECTION REQUIRED | FOR ALL | HIGH STRENG | GTH BOLTING. |
| • | ALL NUTS SHALL BE PER ASTM A563 | | | |
| 9. | ALL CONNECTION PLATES AND STIFFENERS SHALL BE | MADE W | TTH 1/4" THICP | CPLATES, |
| 10 | UNLESS OTHERWISE NOTED ON PLANS. | | | |
| 10. | ALL STEEL (INCLUDING BOLTS) EXPOSED TO THE WEA | | IALL BE HOT L | |
| | GALVANIZED. (INCLUDES STEEL THAT IS ONLY COVER | | PLASTER OR | STUCCO). SEE |
| | ARCHITECTURAL PLANS IF STRICTER REQUIREMENTS | | UIRED. | |
| 11. | ALL EXPOSED STEEL SHALL FOLLOW SECTION 10 OF 1 | HE CODI | | |
| | OF AISC. SECTION 10 OF THE CODE ADDRESSES ARCH | ITECTUR | ALLY EXPOSE | ED STRUCTURAL |
| 40 | | 00000 | | |
| 12. | CONNECTIONS SHALL BE PER HOLLOW STRUCTURAL | SECTION | 5, CONNECTIO | |
| 13. | WHERE STEEL MEMBER PASS THROUGH CMU WALLS, | PROVIDE | HALF INCH G | |
| | THE UNU AND THE STEEL MEMBER. PROVIDE ELASTC | MERIC N | A I ERIAL BEIN | WEEN THE |
| | THE STEEL MEMBER AND CMU WALL. | | | |
| 14. | ALL BEAMS NUT SHOWN SHALL BE W14x26. ALL COLU | INNS NO | I SHOWN SHA | |
| 4 - | | | | |
| 15. | STEEL SHOP SHALL BE AISC CERTIFIED. | | | |

- HOLES FOR BOLTS IN STRUCTURAL STEEL SHALL BE DRILLED OR PUNCHED. BURNING OF HOLES SHALL NOT BE PERMITTED. UNLESS NOTED OTHERWISE, HOLES SHALL BE STANDARD SIZE 1/16 INCH LARGER THAN THE BOLT.
- ALL STRUCTURAL STEEL SHAPES SHALL BE PRIMED WITH A RUST RESISTANT PRIMER BEFORE SHIPMENT TO THE PROJECT SITE. PRIMER SHALL NOT BE APPLIED TO THE IMMEDIATE AREA OF STEEL INTENDED TO RECEIVE SLIP CRITICAL BOLTED CONNECTIONS HIGH STRENGTH BOLTS INSTALLATION SHALL BE CONTINUOUSLY INSPECTED BY A SPECIAL INSPECTOR. FOLLOWING ARE REQUIREMENTS OF THE SPECIAL INSPECTOR:
- A. HE SHALL VERIFY THE MILL CERTIFICATES FOR MATERIAL B. HE SHALL VERIFY THAT THE MATERIAL USED ARE PROPERLY STORED AND
- PREPARED FOR USE
- C. HE SHALL VERIFY THAT CONSTRUCTION DETAILS, PROCEDURES, TOOL CALIBRATIONS WORKMANSHIP ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND AND BUILDING CODE
- D. FOR SNUG-TIGHT CONNECTIONS, HE SHALL VERIFY THAT THE PLIES OF THE CONNECTED ELEMENTS HAVE BEEN BROUGHT INTO SNUG CONTACT WITH EACH
- E. FOR SLIP-TIGHT CONNECTIONS, HE SHALL VERIFY THE PRETENSION METHOD
- SELECTED BY THE CONTRACTOR HAS INDUCED THE REQUIRED MINIMUM TENSION F. A CERTIFICATE OF INSPECTION SHALL BE FURNISHED BY THE SPECIAL INSPECTOR
- TO THE BUILDING OFFICIAL PRIOR TO HIS INSPECTION AND TO THE ARCHITECT AND ENGINEER. WELDING IN THE FIELD SHALL BE CONTINUOUSLY INSPECTED, BY A SPECIAL INSPECTOR
- FOLLOWING ARE REQUIREMENTS OF THE SPECIAL INSPECTOR: A. HE SHALL VERIFY THAT THE MATERIAL USED ARE PROPERLY STORED AND
- PREPARED FOR USE. B. HE SHALL VERIFY THE WELDER'S QUALIFICATIONS.
- C. HE SHALL VERIFY THAT CONSTRUCTION DETAILS, PROCEDURES AND WORKMANSHIP ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND BUILDING CODE. D. A CERTIFICATE OF INSPECTION SHALL BE FURNISHED BY THE SPECIAL INSPECTOR TO THE BUILDING OFFICIAL PRIOR TO HIS INSPECTION AND TO THE ARCHITECT

20. ALL NON SHRINK GROUT FOR LEVELING OF BASE PLATES SHALL HAVE A MINIMUM 5000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. GROUT SHALL COMPLY WITH CORPS OF ENGINEERS SPECIFICATION CRD-C 621.

21. AT ALL TUBES, PROVIDE 3/8" THICK END PLATE, U.N.O.

AND ENGINEER.

ALLOWANC

| IN ADDITION TO THE MATERIAL SHOWN, THE CONTRACTOR TO PROVIDE ADDITIONAL MATERIAL, FOR USE ON THE PROJECT AS DIRECTED BY THE STRUCTURAL ENGINEEF FIELD REPRESENTATIVE. THE ALLOWANCE COST SHALL INCLUDE MATERIAL COST, LABOR COSTS AND PLACEMENT AT THE SITE. REMAINING BALANCE AT THE END OF THE PROJECT SHALL BE RETURNED/CREDITED BACK TO THE OWNER. THE ALLOWANCE SHALL APPEAR ON THE SCHEDULE OF VALUE AS A LINE ITEM. | | | | |
|--|----------|--|--|--|
| | MATERIAL | ALLOWANCE | | |
| CONCRETE REINFORCING STEEL STRUCTURAL STEEL CMU | | 2 CU. YD. 1000 LBS 200 LBS 20 SQ. FT. | | |

- MATTER. REINFORCED CONCRETE AND MASONRY DEVELOP CRACKS. THE CRACKS ARE DUE TO INHERENT SHRINKAGE OF CONCRETE, CREEP AND RESTRAINING EFFECTS OF VERTICAL AND OTHER STRUCTURAL ELEMENTS TO WHICH THE BEAMS/SLABS ARE TIED.
- 2. THE CRACKS FORMED ARE NORMALLY COSMETIC. THE SLAB MAINTAINS ITS Serviceability AND STRENGTH REQUIREMENTS. IT IS EMPHASIZED THAT ALTHOUGH SPECIAL EFFORT IS MADE TO REDUCE THE POTENTIAL CAUSES AND NUMBER OF SUCH CRACKS, IT IS NOT PRACTICAL TO PROVIDE TOTAL ARTICULATION BETWEEN THE FLOOR SYSTEM AND ITS SUPPORTS AND THEREBY ACHIEVE COMPLETE INHIBITION OF ALL CRACKS
- 3. MOST SUCH CRACKS DEVELOP OVER THE FIRST THREE YEARS OF THE LIFE OF THE FLOOR SYSTEM. CRACKS WHICH ARE WIDER THAN 0.01 INCH MAY NEED TO BE PRESSURE EPOXIED. REFER TO THE NOTES UNDER "ALLOWANCES".
- 4. THE OBJECT OF THE JOINTS PROVIDED IS TO ALLOW MOVEMENT. MOVEMENTS DUE TO CREEP AND SHRINKAGE MAY BE NOTICEABLE AT JOINTS UP TO TWO YEARS AFTER CONSTRUCTION, BEYOND WHICH MOVEMENTS DUE TO VARIATIONS IN TEMPERATURE WILL

CAST-IN-PLACE

- 1. VERIFY ALL DIMENSIONS. COORDINATE WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT AND/OR ENGINEER OF ANY DISCREPANCIES. 2. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE SPECIFICATIONS, ACI #301-05, OR LATEST EDITION. DRILLED PIERS SHALL
- COMPLY WITH ACI 336.1-01 AND ACI 336.3R-05 ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS, ACCESSORIES
- UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE", ACI #315 LATEST EDITION THE MINIMUM 28 DAYS CYLINDER STRENGTH SHALL BE AS FOLLOWS:

| LOCATION | STRENGTH AT 28 DAYS | MAXIMUM SLUMP | SIZE OF LARGE AGGREGATE | WATER/CEMENT RATIO |
|---------------|------------------------|------------------|----------------------------|-----------------------|
| FOUNDATIONS | 3000 PSI | 5" | 1 1/2" | 0.50 |
| SLAB ON GRADE | 3000 PSI | 5" | 1 1/2" | 0.50 |
| GRADE BEAMS | 3000 PSI | 5" | 1 1/2" | 0.50 |

3000 PSI 6" 3/4" 0.50

- NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN SLABS OR BEAMS. VERTICAL CONSTRUCTION JOINTS IN SLABS ARE TO BE AS SHOWN ON PLANS OR AS APPROVED BY ENGINEER.
- 7. ALL OPENINGS IN SLAB (FOR PIPING, DRAINS, ETC.) SHALL BE SEALED WITH 1/2
- SEALANT '2A' (SELF-LEVELING 2-PART POLYURETHANE). UTILITIES THAT PROJECT THROUGH SLAB FLOORS SHOULD BE DESIGNED WITH EITHER
- SOME DEGREE OF FLEXIBILITY OR WITH SLEEVES IN ORDER TO PREVENT DAMAGE TO THESE LINE SHOULD VERTICAL MOVEMENT OCCUR. BACKFILL AROUND PERIMETER TO PROVIDE POSITIVE DRAINAGE AWAY FROM SLAB.

| F-NUMBER SYSTEM | COMPOSITE | | |
|-----------------|-----------|----|--|
| | COMPOSITE | | |
| FLATNESS (F) F | 30 | 23 | |
| LEVELNESS (F) | 25 | 19 | |

- IN ALL INSTANCES MINIMUM SLAB THICKNESS SHALL BE OBTAINED. COORDINATE SLAB FINISHES WITH ARCHITECTURAL PLANS.
- 11. ANCHOR BOLTS, DOWELS, INSERTS, ETC. SHALL BE SECURELY TIED IN PLACE PRIOR TO PLACING CONCRETE 12. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR
- ALL MOLDS. GROOVES, REGLETS, ORNAMENTAL CLIPS, PIPES, CONDUITS, INSERTS, ETC. TO BE CAST IN CONCRETE. PROVIDE OVERSIZED SLEEVES FOR PLUMBING AND ELECTRICAL CONDUITS AND PIPES. NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE, FOOTINGS, OR SLAB UNLESS SPECIFICALLY DETAILED IN THESE PLANS, OR AS DIRECTED BY THE ENGINEER.
- MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED
- 14. CONCRETE TESTING SHALL BE ONE SET OF CYLINDERS FOR EVERY 50 CUBIC YARDS OR PORTION THEREOF FOR EACH TYPE OF CONCRETE POURED ON ANY GIVEN DAY. ONE SET CONSISTS OF 2 CYLINDERS TESTED FOR COMPRESSION AT 7 DAYS AND 2 CYLINDERS AT 28 DAYS. 15. VAPOR RETARDANT
- A. VAPOR RETARDANT (UNDER SLAB): SHALL CONFORM TO ASTM E1745, CLASS A OR BETTER AND SHALL HAVE A MINIMUM WATER VAPOR PERMEANCE OF 0.01 PERMS WHEN TESTED IN ACCORDANCE WITH ASTM E96. VAPOR RETARDANT SHALL BE NOT LESS THAN 15 MILS THICK.
- APPROVED PRODUCTS A. STEGO WRAP BY STEGO INDUSTRIES LLC. (887) 464-7834.
- B. GRIFFOLYN T-65 BY REEF INDUSTRIES (800) 231-6074. C. RUFCO D16WB BY RAVEN IND. AT TEXAS ENVIRONMENTAL PLASTIC: (281) 821-7320.
- INSTALLATION A. LAY SHEETS SMOOTHLY, STRETCH AND WEIGHT EDGES, LAP JOINTS TWELVE (12) INCHES AND SEAL WITH TAPE AS SPECIFIED BY VAPOR RETARDANT MANUFACTURER.
- TURN BARRIER UP SIX 6 INCHES AT WALLS AND AT ALL PIPES, ABUTMENTS, ETC. TAPE AND SEAL AT PENETRATIONS AND AT EDGES B. AT GRADE BEAMS, EXTEND VAPOR RETARDANT DOWN SIDES OF BEAM TRENCHES (AND FOOTING EXCAVATIONS) TO WITHIN 4" OF TRENCH BOTTOM AND SECURE TO
- SIDES OF TRENCH. DO NOT EXTEND RETARDANT ACROSS BOTTOM OF BEAM TRENCH. PATCHING A. PATCH ALL PUNCTURES WITH A MINIMUM OVERLAP OF 6" IN ALL DIRECTIONS AND TAPE AROUND ENTIRE PERIMETER OF REPAIR.
- ALL CONDUIT OR PLUMBING LINES IN SLAB SHALL BE PLACED BELOW SLAB REINFORCING. ALL CONDUITS OR PLUMBING LINES SHALL NOT BE GREATER THAN 1 INCH DIAMETER AND SHALL BE PLACED NEAR THE CENTER OF THE SLAB AS MUCH AS POSSIBLE.
- A. PRE-INSTALLATION CONFERENCE: AT LEAST 30 DAYS PRIOR TO THE START OF THE CONCRETE SLAB CONSTRUCTION SCHEDULE, THE CONTRACTOR SHALL CONDUCT A MEETING TO REVIEW THE PROPOSED MIX DESIGNS AND TO DISCUSS THE REQUIRED METHODS AND PROCEDURES TO ACHIEVE THE REQUIRED CONCRETE CONSTRUCTION. THE CONTRACTOR SHALL SEND A PRE-CONCRETE CONFERENCE AGENDA TO ALL ATTENDEES 20 DAYS PRIOR TO THE SCHEDULED DATE OF THE CONFERENCE.
- THE CONTRACTOR SHALL REQUIRE RESPONSIBLE REPRESENTATIVES OF EVERY PARTY CONCERNED WITH THE CONCRETE WORK TO ATTEND THE CONFERENCE, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- A) CONTRACTOR'S SUPERINTENDENT B) LABORATORY RESPONSIBLE FOR CONCRETE MIXES AND/ OR FIELD QUALITY CONTROL
- C) READY-MIX CONCRETE PRODUCER
- D) CONCRETE SUBCONTRACTOR E) ADMIXTURE MANUFACTURER(S)
- F) LIQUID DENSIFIER AND SEALER MANUFACTURER
- G) LIQUID DENSIFIER AND SEALER APPLICATION H) JOINT FILLING APPLICATOR
- MINUTES OF THE MEETING SHALL BE RECORDED, TYPED AND PRINTED BY THE CONTRACTOR AND DISTRIBUTED BY HIM TO ALL CONCERNED PARTIES, INCLUDING THE OWNER'S REPRESENTATIVE, THE ARCHITECT, AND THE STRUCTURAL ENGINEER WITHIN FIVE DAYS OF THE MEETING.
- CONCRETE SUBCONTRACTOR QUALIFICATION: THE CONCRETE SUBCONTRACTOR SHALL INCLUDE IN THEIR BID PACKAGE TO THE CONTRACTOR, SUFFICIENT DATA THAT CLEARLY INDICATES THE CONCRETE CONTRACTOR'S ABILITY TO SUCCESSFULLY PERFORM THE WORK AND TO ACHIEVE THE FLOOR SLAB TOLERANCES SPECIFIED IN THIS SECTION. THE CONCRETE SUBCONTRACTOR'S TEAM SHALL HAVE PARTICIPATED IN THE MAJORITY OF THESE PROJECTS, AND THAT TEAM SHALL REMAIN THE SAME THROUGH THE DURATION OF THIS PROJECT.

CONCRETE MATERIAL

PORTLAND CEMENT: ASTM C 150, TYPE I. USE ONE BRAND OF CEMENT THROUGHOUT THE PROJECT.

- COARSE AND FINE AGGREGATES: ASTM C33. COMBINED AGGREGATE GRADATION FOR SLABS ON GRADE AND OTHER DESIGNATED CONCRETE SHALL BE 8% - 18% FOR LARGE TOP AGGREGATES (1 1/2") OR 8% - 22% FOR SMALLER TOP SIZE AGGREGATES (1" OR 3/4") RETAINED ON EACH SIEVE BELOW THE TOP SIZE AND ABOVE THE NO. 100 SIEVE. SLABS ON GRADE SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 1-1/2" FOOTINGS AND PIERS 1" AND BEAMS 3/4".
- WATER: COMPLYING WITH ASTM C 94. ALL CONCRETE SHALL CONTAIN "POZZOLITH" ADMIX AS PER MANUFACTURER'S
- SPECIFICATIONS, IN ACCORDANCE WITH ASTM C494. ADMIXTURES:
- AIR-ENTRAINING ADMIXTURES: SHALL CONFORM TO ASTM C-260. ADMIXTURE MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION THAT THE AIR-ENTRAINING ADMIXTURE IS COMPATIBLE WITH OTHER REQUIRED ADMIXTURES. ALL EXTERIOR SLABS SHALL BE AIR-ENTRAINED (4% - 6%). ACCEPTABLE PRODUCTS: EUCLID CHEMICAL AEA-92 AND AIRMIX 200, MASTER BUILDERS MICROAIR, W.R. GRACE DARAVAIR 1000 AND DAREX-11.
- NOTE: AIR-ENTRAINING ADMIXTURE SHALL NOT BE USED ON INTERIOR CONCRETE. WATER-REDUCING ADMIXTURE: SHALL CONFORM TO ASTM C494, TYPE A AND CONTAIN NOT MORE THAN 0.05% CHLORIDE IONS. ACCEPTABLE PRODUCTS: EUCLID CHEMICAL WR-89 AND WR-91, MASTER BUILDERS 200N AND 322N, W.R. GRACE WRDA 36 AND WRDA 64.
- WATER REDUCING, RETARDING ADMIXTURE: SHALL CONFORM TO ASTM C494, TYPE D, AND CONTAIN NOT MORE THAN 0.05% CHLORIDE IONS. ACCEPTABLE PRODUCTS: EUCLID CHEMICAL RETARDER 75, MASTER BUILDERS POZZOLITH R, W.R. GRACE DARATARD 17.
- HIGH RANGE WATER-REDUCING ADMIXTURE (SUPERPLASTICIZER): SHALL CONFORM TO ASTM C494, TYPE F OR TYPE G AND CONTAIN NOT MORE THAN 0.05% CHLORIDE IONS. ACCEPTABLE PRODUCTS : EUCLID CHEMICAL EUCON 37, MASTER BUILDERS REOBUILD 1000 W.R. GRACE DARACEM - 1000.
- WATER-REDUCING, NON-CORROSIVE ACCELERATING ADMIXTURE: SHALL CONFORM TO ASTM C494, TYPE C OR E, AND CONTAIN NOT MORE CHLORIDE IONS THAN ARE PRESENT IN MUNICIPAL DRINKING WATER. THE ADMIXTURE MANUFACTURER MUST HAVE LONG-TERM, NON-CORROSIVE TEST DATA FROM AN INDEPENDENT TESTING LABORATORY (OF AT LEAST A YEAR'S DURATION) USING AN ACCEPTABLE ACCELERATED CORROSION TEST METHOD SUCH AS THAT USING FLECTRICAL POTENTIAL MEASURES. ACCEPTABLE PRODUCTS: EUCLID CHEMICAL ACCELGUARD 80/90 AND ACCELGUARD NCA, MASTER BUILDERS NC534 AND POZZUTEC 20, W.R. GRACE POLARSET.
- PROHIBITED ADMIXTURES: a.) CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.05% CHLORIDE IONS ARE NOT PERMITTED
- b.) FLYASH: A MAXIMUM OF 20% AS CEMENT REPLACEMENT ALLOWED

REQUIRED

MINIMUM TOLERANCE 3/8" 1/4"_____ 1/4"

1/4"

1/4"

1/8"

SPECIAL NOTES TO

1. UNDER NORMAL CONDITIONS, AND FOR CONVENTIONAL BUILDINGS SUCH AS THE SUBJECT

EVAPORATION RETARDER

WATERBORNE, MONOMOLECULAR FILM FORMING, MANUFACTURED FOR APPLICATION TO FRESH CONCRETE a.) ACCEPTABLE PRODUCTS:

"EUCOBAR" BY THE EUCLID CHEMICAL COMPANY - CONTACT: PHIL BRANDT (877) 438-3826

CURING MATERIALS

- EXTERIOR CURING: ALL EXTERIOR CONCRETE SLABS SHALL BE CURED USING A LIQUID MEMBRANE-FORMING CURING COMPOUND. THE LIQUID MEMBRANE-FORMING CURING COMPOUND SHALL MEET THE REQUIREMENTS OF ASTM C 1315 WITH A MAXIMUM V.O.C. CONTENT OF 700 G/L.
- a.) ACCEPTABLE PRODUCTS: "SUPER REZ SEAL" BY EUCLID CHEMICAL COMPANY - CONTACT PHIL BRANDT

(877) 438-3826 INTERIOR CURING: ALL INTERIOR CONCRETE SLABS SHALL BE CURED USING A REDUCED ODOR, DISSIPATING LIQUID MEMBRANE FORMING CURING COMPOUND THAT IS FORMULATED FROM HYDROCARBON RESINS. THE DISSIPATING LIQUID MEMBRANE FORMING CURING COMPOUND SHALL MEET THE REQUIREMENTS OF ASTM C-309 AND V.O.C. CONTENTS IN ACCORDANCE TO EPA 40 CFR, PART 59, TABLE I, SUBPART D FOR CONCRETE CURING COMPOUNDS WITH A MAXIMUM V.O.C. CONTENT OF 350 G/L. APPLY AT 400 S.F./GALLON.

a.) ACCEPTABLE PRODUCTS: "KUREZ DR VOX" BY THE EUCLID CHEMICAL COMPANY - CONTACT PHIL BRANDT (877) 438-3826

ALL CONCRETE SLABS SHALL ALSO BE MAINTAINED MOIST FOR 7 DAYS

CONCRETE MIXES

- COMPLY WITH ACI 301 REQUIREMENTS FOR CONCRETE MIXTURE, U.N.O.. PREPARE DESIGN MIXES SIGNED AND SEALED BY A PROFESSIONAL ENGINEER PROPORTIONED ACCORDING TO ACI 301, FOR NORMAL WEIGHT CONCRETE DETERMINED BY EITHER LABORATORY TRIAL MIX OR FIELD TEST DATA AS FOLLOWS: CONCRETE MATERIALS INCLUDED IN THE MIX DESIGN SHALL BE THE SAME MATERIALS PROVIDED TO THE PROJECT, AND SHALL BE PREPARED BY AN INDEPENDENT TESTING LABORATORY APPROVED BY THE OWNER. THE LABORATORY MIX DESIGN SHALL NOT EXCEED THE DESIRED JOB STRENGTH OF CONCRETE BY 1,200 PSI. FOUR COPIES OF THE MIX DESIGN SHALL BE SUBMITTED TO THE OWNER BEFORE CONCRETE WORK
- 3. SLUMP: CONCRETE CONTAINING HRWR SHALL HAVE A MAXIMUM SLUMP OF 8" (200MM). ALL OTHER CONCRETE SHALL NOT EXCEED 4 INCHES (100 MM) UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- 4. ADJUSTMENT TO CONCRETE MIXES: MIX DESIGN ADJUSTMENTS MAY BE REQUESTED BY CONTRACTOR WHEN CHARACTERISTICS OF MATERIALS, JOB CONDITIONS, WEATHER, TEST RESULTS OR OTHER CIRCUMSTANCES WARRANT, AT NO ADDITIONAL COST TO OWNER AND AS ACCEPTED BY OWNER. LABORATORY TEST DATA FOR REVISED MIX DESIGN AND STRENGTH RESULTS MUST BE SUBMITTED TO AND ACCEPTED BY OWNER BEFORE USING IN WORK. BOTH THE CONCRETE TESTING AND INSPECTION AGENCY AND THE CONCRETE CONTRACTOR SHALL SATISFY THEMSELVES THAT THE CONCRETE MIX DESIGN WILL PRODUCE A CONCRETE WHICH WILL MEET THE SPECIFICATIONS FOR THIS PROJECT. IN ADDITION, THE CONTRACTOR AND CONCRETE FINISHER SHALL VERIFY THAT THE WORKABILITY, FINISHABILITY AND SETTING TIMES ARE APPROPRIATE FOR SLAB INSTALLATIONS. PLACEMENT SHALL BE MADE BY CHUTE DIRECTLY FROM THE CONCRETE TRUCKS. IF PUMPING OF THE CONCRETE IS CONTEMPLATED FOR ANY SPECIAL LOCATIONS, THE PROPORTIONS ESTABLISHED ABOVE SHALL NOT BE ALTERED TO SUIT THE CAPABILITIES OF THE PUMPING EQUIPMENT.
- READY MIX CONCRETE SHALL COMPLY WITH REQUIREMENTS OF ASTM C94. WHEN AIR TEMPERATURE IS BETWEEN 85° AND 90° F, REDUCE MIXING AND DELIVERY TIME FROM 90 MINUTES TO 75 MINUTES; WHEN AIR TEMPERATURE IS ABOVE 90° F, REDUCE MIXING AND DELIVERY TIME TO 60 MINUTES.
- WATER CEMENT RATIO SHALL BE BASED ON SURFACE DRY MATERIAL CONTRACTION JOINTS IN SLABS-ON-GRADE:
- FORM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS, AS FOLLOWS:
- SAWED JOINTS: ALL SAW CUTTING SHALL BE ACCOMPLISHED WITH A SOFT-CUT SAW AS SOON AS THE SLAB WILL SUPPORT THE WEIGHT OF THE SAW AND OPERATOR. NOTE: CONCRETE DUST SHALL BE REMOVED COMPLETELY AND IMMEDIATELY. IF CHALK LINES ARE USED FOR SAW CUTS, ALL CHALK REMAINING ON SLAB SHALL BE REMOVED COMPLETELY AND IMMEDIATELY AFTER SAWING.

FLOOR SLAB TOLERANCES:

COMPLY WITH ACI 117, "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS." ALL INTERIOR FLOOR SLABS SHALL MEET THE REQUIREMENTS OF A TYPE 5, SINGLE COURSE, HARD STEEL - TROWELED FINISH AS DESCRIBED IN ACI 302.IR- LATEST EDITION.

CONCRETE CURING AND PROTECTION

a) FIRST. ALL EXTERIOR CONCRETE SLABS SHALL BE CURED USING A LIQUID MEMBRANE- FORMING CURING COMPOUND TO BE APPLIED EVENLY AND UNIFORMLY PER MANUFACTURER'S INSTRUCTIONS AS SOON AS POSSIBLE AFTER FINAL FINISHING SURFACE SHALL BE DAMP, BUT NOT WET AND CAN NO LONGER BE MARRED BY A WALKING WORKMAN, ALL APPLICATIONS SHALL BE MADE BY AN APPLICATOR CERTIFIED BY THE MANUFACTURER, AND WHEN SURFACE AND AIR TEMPERATURE IS ABOVE 50° F. BEGIN CURING AFTER FINISHING CONCRETE, BUT NOT BEFORE FREE WATER HAS DISAPPEARED FROM CONCRETE SURFACE. CURING COMPOUND SHALL BE PLACED WITHIN FOUR (4) HOURS AFTER CONCRETE HAS BEEN PLACED.

b) SECOND. CONCRETE SHALL BE MAINTAINED ABOVE 50 DEGREES F AND IN A MOIST CONDITION FOR AT LEAST THE FIRST SEVEN (7) DAYS AFTER PLACEMENT. INTERIOR SLABS - CURING:

a) FIRST, ALL INTERIOR CONCRETE SLABS SHALL BE CURED USING A LIQUID MEMBRANE-FORMING CURING COMPOUND TO BE APPLIED EVENLY AND UNIFORMLY PER MANUFACTURER'S INSTRUCTIONS AS SOON AS POSSIBLE AFTER FINAL FINISHING SURFACE SHALL BE DAMP, BUT NOT WET AND CAN NO LONGER BE MARRED BY A WALKING WORKMAN. ALL APPLICATIONS SHALL BE MADE BY AN APPLICATOR CERTIFIED BY THE MANUFACTURER, AND WHEN SURFACE AND AIR TEMPERATURE IS ABOVE 50° F. BEGIN CURING AFTER FINISHING CONCRETE, BUT NOT BEFORE FREE WATER HAS DISAPPEARED FROM CONCRETE SURFACE. CURING COMPOUND SHALL BE PLACED WITHIN FOUR (4) HOURS AFTER CONCRETE HAS BEEN PLACED.

b) SECOND, CONCRETE SHALL BE MAINTAINED ABOVE 50 DEGREES F AND PONDED WITH WATER FOR SEVEN (7) DAYS AFTER CONCRETE PLACEMENT.

c) THIRD, CONCRETE SLABS SHALL BE CURED USING A LIQUID MEMBRANE- FORMING CURING COMPOUND TO BE APPLIED EVENLY AND UNIFORMLY PER MANUFACTURER'S INSTRUCTIONS. SURFACE SHALL BE DAMP. BUT NOT WET AND CAN NO LONGER BE MARRED BY A WALKING WORKMAN. ALL APPLICATIONS SHALL BE MADE BY AN APPLICATOR CERTIFIED BY THE MANUFACTURER, AND WHEN SURFACE AND AIR

TEMPERATURE IS ABOVE 50° F INTERIOR SLAB PROTECTION:

- TAKE THE FOLLOWING MEASURES TO PROTECT FLOOR SLAB:
- A. WRAP OR "DIAPER" ALL MOTORIZED AND HYDRAULIC EQUIPMENT TO PREVENT FLUID LEAKS.
- B. PROVIDE NON-MARKING TIRES ON RUBBER TIRED VEHICLES OR EQUIP RUBBER TIRES WITH TIRE BOOTS MADE OF NYLON FABRIC.
- C. SOURCE FOR DIAPERS AND BOOTS: R&R TIRE SURFACE PROTECTORS, INC., FORT COLLINS CO 80526, (970) 266-4082 D. PROVIDE MATS AT ALL ENTRANCES TO PREVENT MUD STAINS.
- E. COVER SLAB PRIOR TO PAINTING. ALL SPILLS TO BE CLEANED WITH SOAP AND WATER. LACQUER THINNER WILL NOT BE ACCEPTABLE.

ABBREVIATIONS

| TYP | TYPICAL |
|----------|------------------------------|
| SIM | SIMILAR |
| T&S | TYPICAL AND SIMILAR |
| U.N.O. | UNLESS NOTED OTHERWISE |
| CLR | CLEAR |
| (V) | VERTICAL |
| ČÁ | COLUMN ABOVE |
| P.T.D.F. | Pressure treated Douglas Fir |

| Milnet |
|--|
| Architectura |
| Service |
| AMERICAN INSTITUTE OF ARCHITECTS |
| |
| SOLORIO ^(c) |
| 108 W 18th Street විලූ ් Mission, TX 78572 ග චූ |
| (956) 631-1500 อี www.solorio.com の |
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General Notes

SPECIAL INSPECTION, MATERIALS 8A CONTINUOUS INSPECTION REQUIRED FOR THE FOLLOWING: RESPONSIBILITIES OF THE OWNER A. EMPLOY AND PAY THE SPECIAL INSPECTION AGENCY TO PERFORM INSPECTIONS SPECIFIED A. REINFORCED CONCRETE: 1. DURING PLACEMENT OF REINFORCED CONCRETE WHERE THE STRUCTURAL DESIGN IN THIS SECTION AND THOSE REQUIRED BY AUTHORITIES HAVING JURISDICTION. B. EMPLOY AND PAY THE MATERIALS TESTING LABORATORY TO PERFORM TESTS SPECIFIED IS BASED ON F'C GREATER THAT 3,000 PSI AND THE TAKING TEST SPECIMENS. THE NUMBER OF AND FREQUENCY OF TAKING OF TEST SPECIMENS SHALL BE IN THIS SECTION AND THOSE REQUIRED BY AUTHORITIES HAVING JURISDICTION. 1) RETESTING - THE CONTRACTOR SHALL REIMBURSE THE OWNER FOR RE-TESTING THE MINIMUM REQUIRED BY THE GOVERNING MUNICIPAL BUILDING CODE OR AS SPECIFIED BY THE APPROVED STRUCTURAL PLANS, WHICHEVER IS THE GREATER WHERE RESULTS OF INSPECTIONS AND TESTS PROVE UNSATISFACTORY AND INDICATE NONCOMPLIANCE WITH REQUIREMENTS. NUMBER C. EMPLOY THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE STRUCTURAL DESIGN 2. DURING THE PLACEMENT OF REINFORCING STEEL AND PRE STRESS TENDONS OR ANOTHER ENGINEER OR ARCHITECT DESIGNATED BY THE (DPR) TO PERFORM UNLESS THE SPECIAL INSPECTOR HAS INSPECTED FOR CONFORMANCE WITH THE STRUCTURAL OBSERVATION. (REF 1702) APPROVED PLANS PRIOR TO THE CLOSING OF FORMS OR THE DELIVERY OF DEFINITIONS CONCRETE TO THE JOBSITE A. APPROVED FABRICATOR: A FABRICATOR REGISTERED AND APPROVED BY THE BUILDING 3. DURING THE PLACEMENT OF REINFORCING STEEL AND CONCRETE FOR OFFICIAL AND ENGINEER OF RECORD. TO PERFORM WORK, OFF SITE, REQUIRING SPECIAL CAST-IN-PLACE DRILLED PILES OR CAISSONS. INSPECTION WITHOUT SPECIAL INSPECTION. THE DESCRIPTION IN SECTION 1701.1 4. INSPECTION IS REQUIRED ON CAST-IN-PLACE PILES OR CAISSONS, EVEN IF F'C OF THE 1998 CALIFORNIA BUILDING CODE IS APPLICABLE. IS LESS THAN 2,500 PSI. 5. PRIOR TO AND DURING THE PLACEMENT OF CONCRETE AROUND BOLTS WHEN B. SPECIAL INSPECTION AGENCY: THE ACCREDITED INSPECTION BODIES DESIGNATED HEREIN AND APPROVED BY THE ENGINEER OF RECORD TO PERFORM SPECIAL INSPECTION STRESS INCREASES PERMITTED BY FOOTNOTE 5 OF TABLE 19E, SECTION 1925 AS REQUIRED BY THE BUILDING CODE AND THE PROJECT SPECIFICATIONS AND AS OF THE UNIFORM BUILDING CODE FOR THE USE OF FULL VALUES FOR EMBEDDED DESCRIBED IN SECTION 1701 1998 CALIFORNIA BUILDING CODE BOLTS 6. PRIOR TO AND DURING THE INSTALLATION OF ANCHORS REQUIRING TO BE DRILLED C. SPECIAL INSPECTOR: A QUALIFIED PERSON. EMPLOYED BY THE SPECIFIED SPECIAL INSPECTION AGENCY, WHO HAS DEMONSTRATED COMPETENCE TO THE SATISFACTION INTO CONCRETE. 7. DURING THE STRESSING AND GROUTING OF TENDONS IN PRE STRESSED OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. DUTIES INCLUDE VISUAL OBSERVATIONS 8. CONTINUOUS INSPECTION FOR THE PLACEMENT OF THE REINFORCEMENT AND FIELD MEASUREMENTS OF MATERIALS, OBTAINING SPECIMENS FOR TESTS AND AND CONCRETE AT CONCRETE MOMENT FRAMES WITHIN SEISMIC ZONES 3 & 4 RELATED ACTIONS INCLUDING PREPARATION OF REPORTS. 9. SHOT CRETE PLACEMENT AND DURING THE TAKING OF TEST SPECIMENS. D. TESTING LABORATORY: AN ACCREDITED MATERIALS TESTING LABORATORY, APPROVED PERIODIC INSPECTION FOR REINFORCED CONCRETE SHALL BE PERFORMED WHEN BY THE ENGINEER OF RECORD, TO MEASURE, EXAMINE, TEST, CALIBRATE OR SPECIFIED. AS MINIMUMS: 1. AT THE START OF AND DURING EACH INSPECTION OF THE PROJECT TO OTHERWISE DETERMINE THE CHARACTERISTICS OR PERFORMANCE OF CONSTRUCTION MATERIALS ASCERTAIN PROPOSED CONFORMITY OF MATERIALS, PERSONNEL QUALIFICATIONS E. CONTINUOUS INSPECTION: ON SITE INSPECTION BY THE SPECIAL INSPECTOR ON A AS REQUIRED, AND PROCEDURES WITH THE APPLICABLE CODES, PLANS AND CONTINUOUS BASIS OBSERVING ALL WORK REQUIRING SPECIAL INSPECTION. SPECIFICATIONS. F. PERIODIC INSPECTION: INTERMITTENT INSPECTION AS PERMITTED BY THE PLAN REINFORCEMENT VERIFICATION PRIOR TO THE PLACEMENT OF CONCRETE DURING THE PLACEMENT OF CONCRETE SPECIFICATIONS AT PREDETERMINED INTERVALS OR MORE FREQUENTLY AS WORK PROGRESSES. NO SIGNIFICANT ELEMENTS OR AREAS SHALL BE COVERED BY ADDITIONAL 4. DURING THE MOLDING, CONSTRUCTION OF TAKING OF COMPRESSION SAMPLES, WORK UNTIL APPROVED BY THE MUNICIPAL BUILDING INSPECTOR AND/OR THE SPECIAL BEAMS, CORES OR PANELS, 5. AT SUCH FREQUENCY AS NECESSARY TO CLEARLY CONFIRM THE PLACEMENT INSPECTOR OF TIES, HOOPS, STIRRUPS, CONNECTIONS, AND ANY ADDITIONAL SPECIFIED G. STRUCTURAL OBSERVATION: THE VISUAL OBSERVATION, BY THE ENGINEER OF RECORD REINFORCEMENT (I.E. @ OPENINGS, BEAMS, CORNERS, COLUMNS, PIERS, AND OR HIS DESIGNEE, INCLUDING BUT NOT LIMITED TO THE ELEMENTS AND CONNECTIONS, OF THE STRUCTURAL SYSTEM, FOR GENERAL CONFORMANCE TO THE APPROVED PLANS CAISSONS) BEFORE THEY ARE COVERED. 6. DURING SAMPLING OF CONCRETE AT DISCHARGE FROM MIXER. AND SPECIFICATION, AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE BEFORE ANY CONCRETE IS PLACED FOR VERIFICATION OF MIX DESIGN THE RESPONSIBILITY FOR THE SPECIAL AND MUNICIPAL INSPECTIONS REQUIRED BY 8. ALL FUNCTIONS AT THE BATCHING PLANT FOR READY MIX. THIS COULD CODES AND SPECIFICATIONS. INCLUDE CEMENT SAMPLING OR TEST RESULTS, GRAVEL GRADATION, CHECKING H. FOR: ENGINEER OF RECORD CALIBRATION OF FOURPMENT AND ADMIXTURE APPROVALS I. DPR: ENGINEER OF RECORD/DESIGN PROFESSIONAL OF RECORD B. STRUCTURAL WELDING - GENERAL - INSPECTOR'S DUTIES 1. ALL FIELD WELDING NOT DONE IN AN APPROVED FABRICATORS SHOP EXCEPT J. SPECIAL INSPECTION AND MATERIALS TESTING THIS SECTION APPLIES TO THE STRUCTURAL PORTIONS OF THE PROJECT REQUIRING THAT PERIODIC INSPECTION THE FREQUENCY OF WHICH IS DETERMINED PRIOR SPECIAL INSPECTION. THE SPECIAL INSPECTORS DUTIES ARE DESCRIBED IN CBC TO THE START OF THE PROJECT SHALL BE ALLOWED PER SECTION 1701.5, 1701.3 AND CBC 1701.5 #5 EXCEPTIONS. DOCUMENTED METHODS AND PROCEDURES SHALL BE USED FOR INSPECTION AND 2. DURING ALL FIELD WELDING OF SPECIAL MOMENT-RESISTING FRAMES; IN TESTING REQUIRED OF CONTRACTUAL DOCUMENTS, AND FOR ESTABLISHING ACCEPTANCE ADDITION, NONDESTRUCTIVE TESTING AS REQUIRED BY SECTION 1703. CRITERIA. ALL INSTRUCTIONS, STANDARDS, PROCEDURES, CHECKLISTS RELEVANT TO 3. THE SPECIAL INSPECTOR SHALL REVIEW EOR APPROVED WELDING PROCEDURES THE WORK WILL BE KEPT UP TO DATE AND READILY AVAILABLE FOR USE. NO SPECIFICATIONS (WPS) WHEN OTHER THAN STANDARD AWS PRE QUALIFIED INSPECTION OR TEST WILL BE PERFORMED IF THE SAFETY OF THE TESTING PERSONNEL JOINTS AND PROCEDURES ARE INVOLVED. IS IN QUESTION DUE TO JOB SITE CONDITIONS. PRIOR TO PROJECT COMMENCEMENT, 4. THE SPECIAL INSPECTOR SHALL REVIEW APPLICABLE SECTION OF REFERENCED THE TESTING AGENCY WILL CONFER WITH AND OBTAIN THE APPROVAL FROM THE CODES, PARTICULARLY THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING APPROPRIATE DESIGN PROFESSIONAL OF RECORD REGARDING THE INSPECTION AND CODE (AWS D1.1) AND THE MANUAL, AND SPECIFICATIONS OF THE AMERICAN TESTING PROCEDURES OR SPECIFICATIONS INCLUDING ANY APPROPRIATE ASTM METHODS. INSTITUTE OF STEEL CONSTRUCTION (AISC). CODE REQUIREMENTS OR PROJECT SPECIFICATION REQUIREMENTS. AT THE START OF 5. THE SPECIAL INSPECTOR SHALL REVIEW MILL TEST REPORTS AND CHECK AND DURING EACH INSPECTION OF THE PROJECT TO ASCERTAIN PROPOSED CONFORMITY HEAT NUMBERS WITH MATERIAL AS RECEIVED. VERIFY THAT PROPER IDENTIFICATION OF MATERIALS, PERSONNEL QUALIFICATIONS, AS REQUIRED, AND PROCEDURES WITH OF STEEL IS MAINTAINED DURING FABRICATION. APPLICABLE CODES, PLANS, AND SPECIFICATIONS. 6. THE SPECIAL INSPECTOR SHALL, WHEN REQUIRED BY PROJECT SPECIFICATIONS. 1. ALL INSPECTIONS SHALL BE PERFORMED BY AN ACCREDITED, APPROVED SPECIAL MARK SAMPLE LOCATION WITH STEEL STAMP ON EACH PIECE TESTED. INSPECTION AGENCY EMPLOYED BY THE OWNER OR OWNER'S AGENT, NOT THE 7. THE SPECIAL INSPECTOR SHALL RECORD SAMPLE NUMBER AND LOCATION CONTRACTOR OR SUBCONTRACTOR, AND CHECK THAT SAMPLE IDENTIFICATION IS MAINTAINED AS SAMPLES ARE ACCREDITATION TO ASTM E-329-95C, STANDARD DELIVERED TO LABORATORY AND TESTED. SPECIFICATIONS FOR AGENCIES ENGAGED IN THE TESTING AND/OR INSPECTION OF 8. THE SPECIAL INSPECTOR SHALL WHEN STEEL MEMBERS ARE DELIVERED TO MATERIALS USED IN CONSTRUCTION IS PREFERRED FINISH AND NO "CROP ENDS" ARE AVAILABLE FOR SAMPLE CUTTING, COORDINATE COPIES OF THE TEST RESULTS AND FINAL REPORTS SHALL BE FURNISHED TO CUTTING AND PATCHING REQUIREMENTS WITH THE ARCHITECT/ENGINEER THE ENGINEER OF RECORD (EOR) IN ADDITION TO OTHER NORMAL DISTRIBUTIONS. WELDING OBSERVATION - (APPLICABLE TO SHOP AND FIELD) 9A. WITHIN TWO DAYS OF THE TEST. IN THE CASE OF DISCREPANCIES OR DEFICIENCIES, 1. THE SPECIAL INSPECTOR SHALL CHECK EACH WELDER'S CERTIFICATION AND VERIFY THAT THE WELDER DOES WORK ONLY AS QUALIFIED BY HIS THE SPECIAL INSPECTION AGENCY SHALL IMMEDIATELY NOTIFY THE EOR. TESTING FREQUENCY SHALL BE PER APPLICABLE STRUCTURAL MASONRY, REINFORCED CERTIFICATION CONCRETE, AND STRUCTURAL STEEL WELDING CODES AND STANDARDS AND ARE 2. THE SPECIAL INSPECTOR SHALL KEEP A WRITTEN RECORD OF EACH WELDER PART OF THIS SPECIFICATION. BY NAME, IDENTIFICATION NUMBER AND HIS IDENTIFYING STEEL MARK, IF A. CERTIFICATE OF SATISFACTORY COMPLETION OF WORK REQUIRING SPECIAL APPLICABLE, AND THE PERCENTAGE OF REJECTABLE WELDS. INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE INSPECTION SERVICES 3. THE SPECIAL INSPECTOR SHALL UPON DETECTION OF REJECTABLE WELD DIVISION BY THE CONTRACTOR. (EITHER VISUALLY OR BY NONDESTRUCTIVE TEST), THE INSPECTOR OF 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE TEST AND/OR RECORD WILL NOTIFY THE WELDER AND HIS FOREMAN FOR VERIFICATION OF DEFECT. THE INSPECTOR OF RECORD WILL OBSERVE REMOVAL, INSPECTION FIRM WITH A CONSTRUCTION SCHEDULE TO FACILITATE THE PROPER COORDINATION. REWORK, OR REPAIRS. 4. THE SPECIAL INSPECTOR SHALL FURNISH DAILY INSPECTION REPORTS TO THE 4. THE SPECIAL INSPECTOR SHALL CHECK STRUCTURAL MEMBERS FOR THICKNESS ADJACENT TO WELDS, OPENING, ETC. REWORK, OR REPAIRS. BUILDING OFFICIAL, THE ARCHITECT, AND THE ENGINEER AT A MINIMUM PER WEEK FREQUENCY. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT, SIGNED 5. THE SPECIAL INSPECTOR SHALL INSPECT JOINTS FOR PROPER PREPARATION. BY BOTH HE AND HIS SUPERVISOR, STATING WHETHER THE WORK REQUIRING INCLUDING BEVEL, ROOT FACES, ROOT OPENING, ETC. REWORK, OR REPAIRS. SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED PLANS AND 6. THE SPECIAL INSPECTOR SHALL CHECK THE TYPE AND SIZE OF ELECTRODES SPECIFICATIONS AND THE WORKMANSHIP PROVISIONS OF THE CBC. TO BE USED FOR THE VARIOUS JOINTS, AND POSITIONS. CHECK THE STORAGE ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE FACILITIES TO SEE IF THEY ARE ADEQUATE TO KEEP THE ELECTRODES DRY. CONTRACTOR FOR CORRECTION; THEN IF UNCORRECTED, TO THE PROPER DESIGN 7. THE SPECIAL INSPECTOR SHALL OBSERVE THE TECHNIQUE OF EACH THE SPECIAL AUTHORITY AND THE BUILDING OFFICIAL. INSPECTOR SHALL WELDER WITH USE OF A WELDING INSPECTION SHIELD. SPECIAL INSPECTION REPORTS 8. THE SPECIAL INSPECTOR SHALL VERIFY THE USE OF PROPER PREHEAT AND INTER PASS THESE REPORTS SHALL INCLUDE, AS A MINIMUM, THE FOLLOWING INFORMATION: TEMPERATURES. INSPECTOR SHALL WELDER WITH USE OF A WELDING INSPECTION SHIELD. A. PERMIT NUMBER B. NAME OF THE MUNICIPAL INSPECTOR, IF AVAILABLE, AND OF THE GOVERNING INSPECTION IS DEFINED AS FOLLOWS: THE INSPECTOR IS PRESENT IN THE WELDING AREA MUNICIPALITY C. SPECIAL INSPECTION AGENCY NAME, ADDRESS, AND PHONE NUMBER TIME. THE INSPECTOR MAY WATCH MULTIPLE WELDERS PROVIDED THEY ALL BE IN THE D. UNIQUE IDENTIFICATION OF THE REPORT AND OF EACH PAGE. AREA, CLOSE ENOUGH FOR EFFECTIVE VISUAL INSPECTION OF THE WORK PERFORMED. E. CLIENT NAME AND ADDRESS 10. THE SPECIAL INSPECTOR SHALL DETERMINE THAT THE OPERATOR IS CAPABLE F. NAME AND ADDRESS OF THE DESIGN PROFESSIONAL OF RECORD, AND OTHER OF PRODUCING THE REQUIRED WELDS. DESIGNERS OR ENGINEERS APPLICABLE TO THE PROJECT 11. THE SPECIAL INSPECTOR SHALL OBSERVE SINGLE PASS FILLET WELDS PERIODICALLY, OR MORE OFTEN IF CODES AND SPECIFICATIONS REQUIRE. G. DESCRIPTION OF THE TYPE OF INSPECTION PERFORMED H. ANY UNRESOLVED DEVIATIONS. EXCLUSIONS, AND ADDITIONS TO OR FROM THE 12. THE SPECIAL INSPECTOR SHALL, IF STRAIGHTENING OR RESTRAINING OF APPROVED DRAWINGS AND SPECIFICATIONS RELEVANT TO THE SPECIFIC INSPECTION WELDMENTS IS NECESSARY, VERIFY THAT APPROVED METHODS WILL BE USED. 13. THE SPECIAL INSPECTOR SHALL TAG OR STAMP ACCEPTED WELDMENTS WITH I. COMPLIANCE FINDINGS AND REFERENCE THE INSPECTOR'S IDENTIFICATION STAMP. APPROVED METHODS WILL BE USED. J. DESCRIPTION OF LOCATION WHERE THE INSPECTION WAS PERFORMED WITHIN THE PROJECT K. TIME AND DATE OF THE INSPECTION L. MEASUREMENTS, EXAMINATIONS, AND DERIVED RESULTS SUPPORTED BY TABLES, GRAPHS, SKETCHES, OR PHOTOGRAPHS AS APPROPRIATE M. THE NAME, SIGNATURE, TITLE, AND IDENTIFICATION NUMBER, AS APPROPRIATE, OF THE FIELD INSPECTOR PERFORMING THE INSPECTION N. IDENTIFICATION OF SUBCONTRACTORS EMPLOYED TO CARRY OUT TESTS OR PARTS OF TESTS TESTS REPORTS LABORATORY TESTS AND MILL CERTIFICATIONS ARE REQUIRED TO BE SUBMITTED TO THE ENGINEER OF RECORD. THESE REPORTS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: 1. CONCRETE CYLINDERS 2. REINFORCING STEEL 3. STRUCTURAL STEEL 4. CONCRETE MIXES 5. CONCRETE ANCHORS SPECIAL INSPECTION BY A SPECIAL OR DEPUTY INSPECTOR FROM AN ACCREDITED. EOR APPROVED INSPECTION AGENCY AND WITH THE APPROPRIATE CURRENT MUNICIPAL LICENSES AND CERTIFICATIONS SHALL BE REQUIRED FOR THE TYPE OF WORK LISTED BELOW

STRUCTURAL MASONRY (SPECIAL

INSPECTION

VES NO N/A

| Ά/ | INSPECTION | ASK | ASK ASK |
|----|--|---------------------------------|----------------------------------|
| | (MONITOR MATERIAL AND WORKMANSHIP TO ASSURE CONTRACT DOCUMENTS ARE BEING FOLLOWED) | CONTINUC DURING T/ LISTED | PERIODICA DURING T/ LISTED |
| | 1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL | | ш — |
| (| BE VERIFIED TO ENSURE COMPLIANCE: | | |
| | B. CONSTRUCTION OF MORTAR JOINTS. | | X X |
| | C. LOCATION OF REINFORCEMENT AND CONNECTORS. | | X |
| _ | 2. THE INSPECTION PROGRAM SHALL VERIFY: | | V |
| | B. TYPE, SIZE AND LOCATION OF DOWELS, ANCHORS, | | X |
| _ | INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY | | |
| | STRUCTURAL MEMBERS, FRAMES AND OTHER | | |
| | CONSTRUCTION | | V |
| | SPECIFICATIONS. | | ^ |
| _ | D. WELDING OF REINFORCING BARS. | | X |
| | WEATHER (TEMP. BELOW 40 °F) OR HOT | | ~ |
| | WEATHER (TEMP. ABOVE 90 °F). F. CUTTING OF CLEAN OUT HOLES. KNOCKING DOWN OF FINS | | Х |
| | AND REMOVAL OF DEBRIS. | | |
| | H. VERIFY THE LOCATION OF THE CONTROL JOINTS. | | |
| | 3. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO | | |
| | A. GROUT SPACE IS CLEAN. | | х |
| _ | B. PLACEMENT OF REINFORCEMENT AND CONNECTOR. (CHECK CLEARANCE, LAP SPLICES, STAGGER AND OFFSETS) | | Х |
| | C. CHECK GROUT MIX FOR COMPLIANCE WITH CODE AND | | х |
| | D. CONSTRUCTION OF MORTAR JOINTS. | | х |
| _ | E. CHECK INSTALLATION OF CLEAN OUT CLOSURE. | | X |
| | 4. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE | | Х |
| | PROVISIONS. (SUCH AS MECHANICAL VIBRATION DURING | | |
| | PLACEMENT AND LATER DURING RECONSOLIDATION.) | | |
| | 5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED. | | Х |
| _ | 6. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE | | Х |
| | APPROVED SUBMITTALS SHALL BE VERIFIED. | | |
| _ | 7. CHECK THAT CURING REQUIREMENTS ARE BEING FOLLOWED | | Х |
| | 8. VERIFY PLACEMENT OF ANCHORS INTO CONCRETE MASONRY UNITS. | | Х |
| | 9. FREQUENCY OF TESTS: | | Х |
| _ | A. CONCRETE MASONRY UNIT TEST- FOR EACH TYPE, CLASS, AND GRADE OF CONCRETE MASONRY UNIT INDICATED, TEST | | |
| | UNITS BY METHOD OF SAMPLING AND TESTING OF ASTM | | |
| | CONDUCTED FOR EVERY 5,000 SQ. FT. OF WALL DURING | | |
| | CONSTRUCTION IN ACCORDANCE TO ASTM C1314, BUT NOT | | |
| _ | PROJECT. | | |
| | B. MORTAR TEST: FOR EACH TYPE INDICATED, TEST MORTAR BY METHODS OF SAMPLING AND TESTING OF ASTM C780 | | |
| _ | CONDUCT TESTS NO LESS FREQUENTLY THAN THAT | | |
| | REQUIRED TO EVALUATE MORTAR USED TO INSTALL EACH INCREMENT OF MASONRY UNITS INDICATED ABOVE FROM | | |
| | WHICH SAMPLES ARE TAKEN FOR TESTING. TEST MORTAR | | |
| | C. GROUT TEST: AT START OF GROUTING OPERATION, TAKE | | |
| | ONE TEST PER DAY FOR FIRST 3 DAYS. EACH GROUT TEST | | |
| | WITH ASTM C1019. AFTER FIRST THREE TESTS, SPECIMENS | | |
| | FOR CONTINUING QUALITY CONTROL SHOULD BE TAKEN ONCE A WEEK FOR EVERY 25 CUBIC YARDS OF GROUT OR | | |
| | FOR EVERY 2,500 SQ. FT. OF WALL, WHICHEVER COMES FIRST. | | |
| | TESTING METHOD PRIOR TO DURING | | Х |
| | OPTIONS CONSTRUCTION CONSTRUCTION | | |
| | METHOD 1: 5 PRISMS 3 PRISMS FOR EVERY | | |
| | TESTING 5,000 S.F. OF WALL | | |
| | | | |
| | TEST RECORD APPROVED 30 PRISM 3 PRISMS FOR EVERY TEST RECORD RECORD 5,000 S.F. OF WALL | | |
| | METHOD 3: | | |
| | UNIT STRENGTH UNITS AND GROUT UNITS AND GROUT OR METHOD OR 5 PRISM 3 PRISMS FOR EVERY | | |
| | 5,000 S.F. OF WALL | | |
| | | | |

PERIODIC INDICATES AT A MINIMUM ONCE A DAY FOR A MINIMUM OF ONE HOUR

| 8A. PORTION | S OF WORK REQUIRING SPECIAL INSPECTION: | YES | N |
|-------------------------------|--|-----|---|
| | A. COMPACTED FILL, GRADING, AND EXCAVATIONS | x | |
| FOUNDATION | B. CONTINUOUS INSPECTION OF PIERS | X | |
| | A. CONTINUOUS INSPECTION AND TEST CYLINDERS FOR CONCRETE. | X | |
| | B. CONTINUOUS INSPECTION FOR SLAB CONCRETE | | |
| CONCRET | C. TEST CYLINDERS FOR SLAB CONCRETE | x | |
| | D. ANCHOR BOLTS OR EMBEDS IN CONCRETE (INSTALLATION AND CONCRETE PLACEMENT) | x | |
| | A. ALL ADHESIVE ANCHORS, RODS, DOWELS, SHALL BE CONTINUOUSLY INSPECTED DURING INSTALLATION. | x | |
| DRILLED IN | B. ADDITIONAL TESTING MAY BE REQUIRED AS SPECIFIED ON THE PLANS. | x | |
| ANCHOR | C. ADHESIVE ANCHORS IN CONCRETE OR MASONRY | X | |
| | A. PLACING OF REINFORCING | | X |
| STEEL | B. SAMPLING AND TESTING STEEL (MILL REPORTS AND IDENTIFICATION OF STEEL) | | X |
| | A. ALL STRUCTURAL WELDING EXCEPT WELDING IN APPROVED SHOPS. | | X |
| WELDING | B. ULTRASONIC TESTING OF FULL PENETRATION WELD CONNECTIONS , AND FIELD WELDS. | | x |
| | C. STRUCTURAL LIGHT GAGE METAL FRAME WELDING. | | |
| | D. REINFORCING STEEL WELDING | | |
| | A. HIGH STRENGTH BOLT A325 & A490 (TORQUE VERIFICATION) | | x |
| BOLTING | B. HIGH STRENGTH BOLT A325N,X & A480N,X (SNUG CONTACT OF PLYS) | | x |
| | A. SAMPLING OF MASONRY UNITS | | х |
| | B. MASONRY PRISM CONSTRUCTION | | x |
| | C. MORTAR SAMPLING | | x |
| MASONRY | D. CONTINUOUS INSPECTION DURING PLACEMENT AND GROUTING OF MASONRY UNITS AND REINFORCEMENT PLACEMENT. | | x |
| | E. ANCHOR BOLTS OR EMBEDS IN MASONRY (INSTALLATION AND GROUT PLACEMENT) | | x |
| INSULATING CONCRET FILL | A. TEST CYLINDERS AND INSPECTIONS | | |
| STRUCTURA | A. MILL REPORTS AND IDENTIFICATION OF STEEL (AFFIDAVIT OF COMPLIANCE) | | x |
| STEEL | B. SAMPLING AND TESTING | | X |
| | C. DURING PLACEMENT OF PAINT AS SPECIFIED BY THE ARCHITECT. | | x |
| SHEA DIAPHRAGMS | A. INSPECTION OF SHEATHING PLACEMENT AND NAIL SPACING | | |
| APPROVE FABRICATORS | APPROVED FABRICATORS: MUST SUBMIT CERTIFICATE OF COMPLIANCE FOR ALL OFF SITE FABRICATION SUCH AS STRUCTURAL STEEL GLU-LAMS PRECAST CONCRETE, ETC. | x | |
| STRUCTURA OBSERVATION | STRUCTURAL OBSERVATIONS REQUIRED. WHEN REQUIRED BY THIS ENGINEER OR THE BUILDING DEPARTMENT, THE CONTRACTOR SHALL EMPLOY AN ENGINEER APPROVED BY THE EOR TO PERFORM STRUCTURAL OBSERVATION. | | x |

REINFORCED CONCRETE MASONRY

1. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C90, AND AS FOLLOWS: * UNIT COMPRESSIVE STRENGTH:

* WEIGHT CLASSIFICATION:

* GROUT

* MORTAR SHALL BE TYPE * CONCRETE MASONRY ASSEMBLAGE (f'm) SHALL BE 1500 PSI 2. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL AND SHALL CONFORM TO ASTM A-615,

GRADE 60, REINFORCING BARS #3 AND SMALLER MAY BE GRADE 40. CONCRETE SHALL CONFORM TO ASTM C150 TYPE I, LOW ALKALI, MASONRY CEMENTS ARE NOT ALLOWED. 4. TYPICAL REINFORCEMENT, U.N.O. (DRAWING NOTES GOVERN OVER THESE NOTES)

1900 PSI MINIMUM AVERAGE NET AREA

COMPRESSIVE STRENGTH.

MEDIUM WEIGHT BLOCK

f'c = 3000 PSI

| С | MU | VERTICAL | HORIZONTAL | OPENINGS AND DOWELS | CORNERS |
|------|-----|--------------------|--------------------|------------------------|---------|
| | 8" | #6 AT 32" O.C. | #5 AT 96" O.C. | (2) #5 | (3) #5 |
| | 6" | #4 AT 48" O.C. | #4 AT 96" O.C. | (1) #4 | (3) #4 |
| **** | 12" | (2) #6 AT 32" O.C. | (2) #5 AT 96" O.C. | (2) #6 | (3) #6 |

INDICATES CMU WALL/COLUMN/PILASTER REINFORCED PER DETAIL 1/S402 9. THE SPECIAL INSPECTOR SHALL CONTINUOUSLY OBSERVE MULTI-PASS WELDS. CONTINUOUS ALL VERTICAL REINFORCEMENT TO BE IN CONCRETE OR GROUT FILLED CELLS, PROVIDE DOWELS FROM FOUNDATION, SAME SIZE AND SPACING. AT ALL TIMES AND IS FULLY AWARE OF THE PROGRESS OF THE WELDING AT ANY GIVEN 5. TYPICAL HORIZONTAL REINFORCEMENT SHALL BE TWO (2) #5 CONTINUOUS IN 8"x16" DEEP CONTINUOUS CONCRETE FILLED BOND BEAM BELOW EACH FLOOR AND ROOF LEVEL.

UNLESS NOTED OTHERWISE. PROVIDE STANDARD DUR-O-WALL TRUSS-TYPE REINFORCING OR REVIEWED EQUIVALENT EVERY OTHER COURSE (16" ON CENTER) AND AS PER MANUFACTURER'S RECOMMENDATIONS. (9 GAGE MINIMUM GALVANIZED) 6. VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN

A CLEAR, UNOBSTRUCTED CONTINUOUS VERTICAL. 7. WALL LENGTHS LESS THAN OR EQUAL TO FOUR (4) TIMES ITS THICKNESS SHALL BE CONSIDERED COLUMN SECTIONS AND SHALL BE REINFORCED WITH #5 VERTICAL REINFORCING IN FILLED CELLS, PROVIDE 1/4 INCH DIAMETER TIES EVERY COURSE (8" ON CENTER) IN LIEU OF DUR-O-WALL REINFORCING, PLACE TIES NOT LESS THAN 1 1/2" NOR

MORE THAN 5" FROM THE SURFACE OF THE COLUMN. 8. ALL CELLS CONTAINING VERTICAL REINFORCEMENT SHALL BE FILLED SOLIDLY WITH PEA GRAVEL CONCRETE (3/8" MAX. AGGREGATE SIZE) OR GROUT, EACH WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, GROUT OR CONCRETE SHALL BE A WORKABLE MIX SUITABLE FOR PUMPING WITHOUT SEGREGATION AND SHALL BE THOROUGHLY MIXED, GROUT OR CONCRETE SHALL BE PLACE BY PUMPING OR AN APPROVED ALTERNATE METHOD AND SHALL BE PLACED BEFORE INITIAL SET OR HARDENING OCCURS. GROUTING SHALL BE PER NCHA TEK 3-2

9. ALLOW C.M.U. WALLS TO SET AT LEAST 24 HOURS AFTER COMPLETION BEFORE GROUTING. GROUT OR CONCRETE SHALL BE CONSOLIDATED BY RESOLIDATION AFTER EXCESS MOISTURE HAS BEEN ABSORBED BUT BEFORE WORKABILITY IS LOST, THE FILLING OF ANY SECTION OF A WALL SHALL BE COMPLETED IN ONE DAY WITHOUT INTERRUPTIONS GREATER THAN ONE HOUR, AND PLACED IN LAYERS OF 4 FEET MAXIMUM.

10. WHERE THE CONCRETE OR GROUT POUR EXCEEDS 4 FEET IN HEIGHT, CLEANOUTS SHALL BE PROVIDED BY SUITABLE OPENINGS IN THE FACE SHELLS IN THE BOTTOM COURSE OF EACH CELL TO BE FILLED, OR OTHER APPROVED LOCATIONS, THE CLEANOUTS SHALL BE SEALED AFTER INSPECTION AND BEFORE BEING FILLED.

11. WHEN CELL FILLING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINT SHALL BE FORMED BY STOPPING THE POUR OF CONCRETE OR GROUT APPROXIMATELY 1/2 INCH ABOVE OR BELOW BED JOINT. 12. END WALLS AND CROSS WEBS FORMING CELLS TO BE FILLED SHALL BE FULL BEDDED

IN MORTAR TO PREVENT LEAKAGE OF CONCRETE OR GROUT UNLESS WALL IS TO BE POURED SOLID. 13. PROVIDE VERTICAL CONTROL JOINTS AT A MAXIMUM SPACING OF 24' (10' FROM CORNERS.

DO NOT CONTINUE THE TYPICAL TRUSS TYPE JOINT REINFORCEMENT THROUGH THE JOINT. BOND BEAM REINFORCEMENT SHALL BE CONTINUOUS THROUGH THE JOINT.

14. DURING ERECTION, COVER TOP OF WALLS, PROJECTIONS AND SILLS WITH WATERPROOF SHEATHING AT THE END OF EACH DAY'S WORK.

A. PREINSTALLATION CONFERENCE: 1. AT LEAST 15 DAYS PRIOR TO THE START OF THE MASONRY CONSTRUCTION SCHEDULE, THE CONTRACTOR SHALL CONDUCT A MEETING TO REVIEW THE PROPOSED MIX DESIGNS. MATERIALS AND TO DISCUSS THE REQUIRED METHODS AND PROCEDURES TO ACHIEVE THE REQUIRED MASONRY CONSTRUCTION. THE CONTRACTOR SHALL SEND A PRE-CONCRETE CONFERENCE AGENDA TO ALL ATTENDEES 20 DAYS PRIOR TO THE SCHEDULED DATE OF THE CONFERENCE.

2. THE CONTRACTOR SHALL REQUIRE RESPONSIBLE REPRESENTATIVES OF EVERY PARTY CONCERNED WITH THE MASONRY WORK TO ATTEND THE CONFERENCE, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

A) CONTRACTOR'S SUPERINTENDENT

B) LABORATORY RESPONSIBLE FOR CONCRETE MIXES AND/ OR FIELD QUALITY CONTROL AND SPECIAL INSPECTOR

C) READY-MIX CONCRETE PRODUCER D) MASONRY SUBCONTRACTOR

OPEN WEB STEEL

INSPECTION

- 1. ALL STEEL FOR JOISTS SHALL CONFORM TO THE STEEL JOIST INSTITUTE REQUIREMENTS FOR K-SERIES OPEN WEB JOISTS, AND VS-SERIES STEEL JOISTS, MINIMUM 50,000 PSI YIELD
- 2. ALL STEEL JOISTS SHALL RECEIVE MANUFACTURER'S STANDARD BASE PAINT, APPLIED BY DIPPING OR SPRAYING, BEFORE LEAVING THE SHOP 3. ALL STEEL JOISTS BEARING ON STEEL SHALL HAVE A MINIMUM 2 1/2" BEARING LENGTH AND SHALL BE WELDED TO THE STEEL WITH 2 WELDS AT EACH END, EACH 2 1/2" LONG. JOIST BEARING LESS THAN 2 1/2" SHALL BE DESIGNED BY THE JOIST SUPPLIER TO RESIST THE INCREASED STRESS. THE JOIST SUPPLIER SPECIFY SPECIAL JOIST SEATS AND ANCHORAGE REQUIREMENTS FOR DEFICIENT BEARING
- 4. PROVIDE 2"x2"x1/4" ANGLE BOTTOM CHORD EXTENDS AT STEEL JOIST END AT COLUMN LINES OR AT JOIST NEAREST COLUMN LINES. CHECK ARCHITECTURAL PLANS IF BOTTOM CHORD EXTENSIONS ARE REQUIRED.
- 6. BOTTOM CHORD EXTENDED ENDS SHALL NOT BE INSTALLED UNTIL AFTER ROOF HAS BEEN COMPLETELY INSTALLED ROOF TOP A/C UNITS SHALL HAVE AN OPERATING WEIGHT NOT TO EXCEED 500 LBS. AND SHALL BE LOCATED OVER A MINIMUM OF 2 JOISTS. ROOF TOP UNITS WEIGHING MORE THAN
- 500 LBS. SHALL BE LOCATED AS SHOWN ON THE MECHANICAL PLANS. 8. STEEL JOISTS TO BE DESIGNED PER DESIGN CRITERIA.
- 9. ALL STEEL JOISTS SHALL BE MANUFACTURED BY VULCRAFT OR SMI, UNLESS OTHERWISE APPROVED BY THE ENGINEER. 10. PROVIDE ANGLES FOR SUPPORT AROUND OPENINGS AT METAL DECK.
- 11. STEEL JOIST SUPPLIER TO VERIFY THAT THE SPECIFIED JOIST MEET ALL THE MINIMUM REQUIREMENTS OF SJI BEFORE PROVIDING A BID.
- 12. MECHANICAL EQUIPMENT: SEE MECHANICAL PLANS. PIPES AND MECHANICAL EQUIPMENT SHALL BE SUPPORTED BY THE TOP CHORD OF THE STEEL JOISTS ONLY. 13. WHERE STEEL JOIST PASS THROUGH CMU WALLS, PROVIDE HALF INCH GAP BETWEEN THE
- CMU AND STEEL JOIST. PROVIDE ELASTOMERIC MATERIAL BETWEEN THE STEEL JOIST AND
- 14. PROVIDE CLOSURE ANGLE 3x3x3/8 AT ALL PERIMETER CONDITIONS TO FRAME OUT ALL ROOF PENETRATIONS UNLESS NOTED OTHERWISE. 15. JOISTS SHALL BE MANUFACTURER BY VULCRAFT OR SMI. OTHER MANUFACTURERS REQUIRE APPROVAL BEFORE SUBMITTING BID

ROOF METAL

- 1. SHEET METAL: MATERIAL: GALVANIZING: DECK PROFILE PROFILE DEPTH: GAUGE:
- SPAN 2. ATTACHMENT: AT SUPPORTS: FASTENER LAYOUT

AT SIDE LAPS:

SIDE LAPS

1.5 INCHES 22 (20 East of Harlingen) 5'-0"

G90 ZINC COATED, ACCORDING TO ASTM A525

5/8" PUDDLE WELDS 36/7 (9" AT PERIMETER) #10 TEK SCREWS

9 FASTENERS PER SPAN

ASTM A446, GRADE A,

3. INSTALL DECK ENDS OVER SUPPORTING FRAMING WITH A MINIMUM END BEARING OF1.5" WITH END JOINTS LAPPED AT A MINIMUM OF TWO INCHES AND SHALL OCCUR OVER SUPPORTS.

4. SCREWS MUST BE INSTALLED USING PROPERLY CALIBRATED TOOLS TO AVOID OVERDRIVING WHICH CAN STRIP THE THREADS AT SIDE LAPS OR SEVER THE SCREW WHEN IT IS PLACED INTO HEAVIER SUBSTRATE.

5. DECK UNITS SHALL BE 3 OR MORE SPANS AND SHALL BE ATTACHED TO THE











MASONRY LAYOUT

- 1. FOR GENERAL NOTES SEE SHEET **S101**, **S102** AND **S103**.
- 2. FOR TYPICAL DETAILS SEE **\$400** SHEETS. 3. DIMENSIONS SHOWN ARE FOR GENERAL INFORMATION. COORDINATE WITH ARCHITECTURAL PLANS.
- SEE MECHANICAL PLANS FOR MECHANICAL OPENINGS.
 SEE DETAIL 4/S402 REINFORCING AT WINDOW, DOOR AND OPENING JAMBS.

| С | MU | VERTICAL | HORIZONTAL | OPENINGS AND DOWELS | CORNERS |
|---|----------|--------------------|--------------------|------------------------|-------------|
| | 8" | #6 AT 32" O.C. | #5 AT 96" O.C. | (2) #5 | (3) #5 |
| | 6" | #4 AT 48" O.C. | #4 AT 96" O.C. | (1) #4 | (3) #4 |
| | 12" | (2) #6 AT 32" O.C. | (2) #5 AT 96" O.C. | (2) #6 | (3) #6 |
| | INDICATI | ES CMU WALL/COLU | JMN/PILASTER REIN | FORCED PER DE | TAIL 1/S402 |

| Milnet |
|---|
| Architectura |
| Service |
| AMERICAN INSTITUTE OF ARCHITECTS |
| SOLORIO 108 W 18th Street Mission, TX 78572 (956) 631-1500 www.solorio.com |
| SIMON G. SOLORIO JR. 83066 BOLSSIONAL ENGLAND May 15, 2017 |
| F-1616 THE SEAL APPEARING ON THIS -DOCUMENT WAS AUTHORIZED |
| - M- |
| BUILDING AND CITY HAL CITY OF LA JOYA |
| PROJECT NUMBER 15231 DATE May 15, 2017 |
| |
| S T E E I S T E E E E I S T E E E I S T E E E E I S T E E E E I S T E E E E E I S T E E E E E E E E E E E E E E E E E E |



GENERAL NOTES:

- 1. OWNER WILL PROVIDE SOIL TESTS PRIOR TO FOUNDATION WORKS.
- 2. PROVIDE SIDEWALK AS PART OF BASE BID.
- 3. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING FOUNDATION WORK.
- 4. WARNING: CONTACT 1-800-DIG-TESS FOR UNDERGROUND ELECTRIC CABLES PLACED IN SITE.
- 5. ALL CONSTRUCTION AND MATERIALS FOR DRAINAGE, GRADING AND PAVING TO BE IN ACCORD WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION".
- 6. ALL SOIL PLACED ONTO SITE IS TO BE COMPACTED TO 80% DENSITY, EXCEPT UNDER ANY PAVING COMPACTION IS TO BE 95%, RE: CIVIL FOR ADDT. INFO.
- 7. CONTRACTOR IS RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL FOR CONSTRUCTION.
- 8. CONTRACTOR IS RESPONSIBLE FOR PAYING ANY FEES FOR PERMITS AS MAY BE REQUIRED FOR THIS CONSTRUCTION.
- 9. ALL PIPE SLEEVES SHALL BE SCH. 40 PVC AND FURNISHED IN PLACE BY THE CONTRACTOR BEFORE PAVING.
- TUELECTRIC SLEEVES:
- 6" SLEEVES ARE TO BE DOVE GREY Y AND PLACED 48" BELOW TOP OF CURB ELEVATIONS, WITH END CONDUIT MARKERS FURNISHED BY TUELECTRIC PLACED ON EACH END OF CONDUIT.
- IRRIGATION SLEEVES: 2 & 4" SLEEVES ARE TO BE PLACED 24" BELOW TOP OF CURB.
- 10. CONTRACTOR TO SET CONTROL GRADES AT 25' INTERVALS ALONG ALL PAVING FLOW LINES.
- 11. CONTRACTOR TO PROVIDE JOB SIGN. RE: 3/A8.0

ADA NOTES:

- 1. ALL SIDEWALKS AND COVERED WALKWAYS SHALL HAVE 1:50 MAXIMUM CROSS SLOPE. SIDEWALKS OR COVERED WALKWAYS THAT MUST HAVE SLOPES GREATER THAN 1:20 SHALL HAVE HANDRAILS ON BOTH SIDES WITH 4" HIGH CONC. CURBS ON BOTH SIDES. HANDRAILS SHALL BE 34" TO TOP A.F.F. THERE SHALL BE NO ABRUPT CHANGE IN ELEVATION ALONG ACCESSIBLE ROUTES AT SIDEWALKS AND COVERED WALKWAYS.
- 2. CURB RAMP SLOPE SHALL BE 1:12 MAXIMUM WITH 1:10 FLARED SIDES AND SHALL BE TEXTURED. PAINT WITH A LIGHT REFLECTIVE PAINT. PARALLEL CURB RAMP SLOPE SHALL BE 1:12 MAXIMUM & TEXTURED. PAINT WITH A LIGHT REFLECTIVE PAINT. ALL CURB RAMPS SHALL HAVE A LANDING AT TOP & BOTTOM. LANDINGS SHALL HAVE A 1:50 MAXIMUM SLOPE IN ANY DIRECTION.
- 3. STRIPED ACCESS AISLES AND ACCESSIBLE PARKING SHALL HAVE A MAXIMUM CROSS SLOPE IN ALL DIRECTIONS OF 1:50.
- 4. ALL GRADING SHALL BE DONE TO DRAIN WATER AWAY FROM BUILDINGS.
- 5. ALL EXTERIOR ALCOVES SHALL HAVE A 1:50 MAXIMUM SLOPE AND SHALL HAVE NO DROPS AT DOORS NOR AT CONNECTING SIDEWALKS.
- 6. REFER TO CIVIL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ARCHITECT IN CASE OF DISCREPANCIES AND COORDINATING WITH CIVIL ENGINEER PRIOR TO PROCEEDING.
- 7. ALL EXTERIOR DOORS SHALL HAVE A LEVEL AREA IN FRONT OF THE DOOR WITH A 1:50 MAXIMUM SLOPE IN ALL DIRECTIONS. THE AREA SHALL BE A MINIMUM OF 5 FT. IN THE DIRECTION OF TRAVEL BY THE WIDTH OF THE SIDEWALK.

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DEMOLITION NOTES (D)

| D1 | REMOVE EXISTING SIDEWALK |
|-----------|---|
| D2 | REMOVE EXISTING CONCRETE MEDIAN (DRIVE THRU LANES) |
| D3 | REMOVE EXISTING TREES |
| D4 | REMOVE EXISTING PARKING STRIPES AND CONC. CURB FOR NEW CONCRETE DRIVE. |
| D5 | REMOVE EXISTING PARKING LIGHT POLE AND CONC. BASE. SALVAGE AND RETURN TO OWNER. |
| D6 | REMOVE PARTIAL EXISTING CONCRETE SLAB. REFER TO STRUCTURAL FOR EXTENTS. |
| D7 | REMOVE EXISTING PARKING PAVERS, PATCH WITH CONCRETE TO MATCH EXISTING, TYP. |
| D8 | REMOVE EXISTING LIGHTING POLE AND ASSOCIATED ELECT. RELOCATE TO OPPOSITE SIDE OF NEW DRIVEWAY. GC TO ENSURE IT IS FULLY FUNCTIONAL. |
| D9 | REMOVE AND RELOCATE EXISTING H.C. PARKING SIGN TO OPPOSITE SIDE OF SIDEWALK. |
| | |

LEGEND:

| DENOTES ITEMS TO BE DEMOLISHED. |
|-------------------------------------|
| |

DENOTES EXISTING TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR SHALL REVIEW ARCHITECTURAL PLANS FOR REQUIREMENTS/COORDINATION PRIOR TO PERFORMING DEMOLITIONS. NEW WORK ON ARCHITECTURAL DRAWINGS TAKE PRECEDENCE.
- 2. FIELD VERIFY ALL EXISTING DIMENSIONS, CONDITIONS AND LOCATIONS.
- 3. PROTECT EXISTING WORK TO REMAIN AS REQUIRED TO PREVENT UNNECESSARY DAMAGE DUE TO DEMOLITION.
- 4. COORDINATE SCHEDULING OF ALL UTILITY AND SERVICE
- REQUIRED BY THE WORK WITH THE CITY OF LA JOYA. 5. GENERAL CONTRACTOR, OR ANY OF HIS SUBCONTRACTORS, ARE NOT TO SHUT OFF ANY UTILITIES OR SERVICES.
- 6. REMOVE EXISTING ITEMS AS INDICATED ON PLANS. CUT AND REMOVE AS REQUIRED TO LEAVE A CLEAN EDGE ON REMAINING WORK.
- 7. ALL EXISTING CONCRETE PARKING, LANDSCAPING, CURBS, AND GUTTERS TO REMAIN UNLESS NOTED OTHERWISE.
- 8. ALL EXISTING COLUMNS TO REMAIN.
- 9. CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS OF SIDEWALKS AND CURBS SCHEDULED TO BE REMOVED PRIOR TO DEMOLITION.
- 10. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING DEMOLITION WORK.

PROJECT NUMBER 215009

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1 DEMO PLAN 1/8" = 1'-0"

| DEMOLITION NOTES | (D) |
|------------------|-----|
| | (D) |

| (D1) | REMOVE EXISTING WALL. |
|------------|--|
| D2 | REMOVE EXISTING FURR-DOWN. |
| D3 | REMOVE EXISTING MILLWORK AND ALL ELECTRICAL WITHIN. STEEL CASH CABINETS SHALL BE SALVAGED AND RETURNED TO OWNER. |
| D 4 | REMOVE EXISTING WINDOWS AND CAST STONE SILL. |
| D5 | REMOVE EXISTING DOOR AND FRAME. |
| D6 | REMOVE 6'-8" X 9'-4" AREA OF WALL FOR NEW ARCHED OPENING TO MATCH EXISTING. PROVIDE ADDT. STEEL REINFORCING AS NEEDED. |
| D7 | REMOVE EXISTING PNEUMATIC TUBING SYSTEM. |
| D8 | REMOVE EXISTING SOFFIT AND LIGHTS. |
| D9 | REMOVE EXISTING CONCRETE BOLLARDS. |
| (D10) | REMOVE EXISTING CONCRETE MEDIANS. |
| (D11) | REMOVE EXISTING CAMERAS. |
| D12 | REMOVE EXISTING NIGHT DEPOSIT. PATCH WALL WITH SIMILAR MATERIALS. |
| D13 | REMOVE EXISTING ELECTRONIC DRIVE THRU LANE SIGNS. RELOCATE AS PER PLANS. |
| D14 | RELOCATE EXISTING PRIMARY AND SECONDARY ROOF DRAINS. REFER TO ROOF PLAN FOR NEW LOCATIONS. |
| D15 | REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING. RELOCATE LIGHTS AND A/C DIFFUSERS. RE: MEP |
| D16 | REMOVE EXISTING FLOOR TILE AND RUBBER BASE. |
| (D17) | REMOVE EXISTING CONCRETE SLAB. REFER TO STRUCTURAL FOR EXTENTS. |
| D18 | REMOVE 5'-4" X 7'-4" AREA OF EXISTING EXT. WALL FOR NEW DOOR OPENING. |
| (D19) | "NOT USED" |
| D20 | REMOVE EXISTING LAVATORY. REROUTE EXISTING WATER AND DRAIN TO NEW LOCATION. RE: MEP. |
| (D21) | REMOVE EXISTING FRAME ONLY. EXISTING DOOR SWING WILL BE CHANGED AS SHOWN ON FLOORPLAN. |

LEGEND:

DENOTES ITEMS TO BE DEMOLISHED.

DENOTES EXISTING TO REMAIN.

GENERAL NOTES

- 1. CONTRACTOR SHALL REVIEW ARCHITECTURAL PLANS FOR REQUIREMENTS/COORDINATION PRIOR TO PERFORMING DEMOLITIONS. NEW WORK ON ARCHITECTURAL DRAWINGS TAKE PRECEDENCE.
- 2. FIELD VERIFY ALL EXISTING DIMENSIONS, CONDITIONS AND LOCATIONS.
- 3. PROTECT EXISTING WORK TO REMAIN AND FURNITURE AS REQUIRED TO PREVENT UNNECESSARY DAMAGE DUE TO DEMOLITION.
- 4. COORDINATE SCHEDULING OF ALL UTILITY AND SERVICE REQUIRED BY THE WORK WITH THE CITY OF LA JOYA.
- 5. GENERAL CONTRACTOR, OR ANY OF HIS SUBCONTRACTORS, ARE NOT TO SHUT OFF ANY UTILITIES OR SERVICES.
- 6. REMOVE EXISTING ITEMS AS INDICATED ON PLANS. CUT AND REMOVE AS REQUIRED TO LEAVE A CLEAN EDGE ON REMAINING WORK.
- 7. EXISTING ROOMS: ALL FLOOR PENETRATIONS FOR ELECT., DATA & PLUMBING TO BE PATCHED (MATCH EXISTING FLOOR FINISH MATERIAL).
- 8. ALL EXISTING COLUMNS TO REMAIN.
- 9. EXISTING COMPRESSED AIR PUMP TO REMAIN. CONTRACTOR TO RELOCATE AS NEEDED TO ENSURE THAT EXISTING PNEUMATIC TUBING SYSTEM IS FULLY FUNCTIONAL AT ROOM No. 101.

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OF

DATE MAY 15, 2017

ISSUED FOR CONSTRUCTION

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OF

3 OCCUPANCY PLAN 1/16" = 1'-0"

Ν

CODE SUMMARY

| 2 INTERNATIONAL BUILDING CODE | | |
|------------------------------------|---------------------------|-------------------|
| CONSTRUCTION/RENOVATIONS | | |
| IST. TYPE II B - UNPROTECTED. SPRI | INKLED | |
| | 6 254 50 | ст |
| | 8 906 SO | . FT |
| | 15,900 50 | . г. т. . г.т. |
| AL SQ. FT | 15,260 SQ | . דו. |
| CUPANCY CLASSIFICATION | | |
| | GROUP "B" | |
| *MUNICIPAL COURT | GROUP "A-3" | |
| *HOLDING CELLS | GROUP "I-3" | |
| | | |
| HALL RENOVATIONS | GROUP "B" | |
| *COMMISSIONERS RM | GROUP "A-3" | |
| NOTES ACCESSORY OCCUPANCIES | AS PER 508.2 | |
| | | |
| | | |
| G HEIGHT & AREA MODIFICATIONS: | | |
| E: | ALLOWABLE: | - |
| V PD BLDG | | - |
| ORY: 6,354 SQ. FT. TOTAL | 3 STORIES: 23,000 SQ. FT. | |
| *MUNICIPAL COURT | | |
| 1 STORY: 480 SQ. FT. | 10% MAX. OF MAIN BLDG. | |
| *HOLDING CELLS | | |
| 1 STORY: 374 SQ. FT. | 10% MAX. OF MAIN BLDG. | |

CITY HALL BLDG 1 STORY: 8,906 SQ. FT. TOTAL 3 STORIES: 23,000 SQ. FT. *COMMISSIONERS RM. 10% MAX. OF MAIN BLDG. 1 STORY: 782 SQ. FT.

* DENOTES ACCESSORY OCCUPANCIES AS PER 508.2

1 PARTITION TYPES 3/4" = 1'-0"

- S. ALL EQUIPMENT CURBS TO BE SET OR RAISED AS NECESSARY TO MAINTAIN 10" MINIMUM HEIGHT
- T. MECHANICAL, ELECTRICAL, AND PLUMBING ROOF EQUIPMENT SHOWN ON THIS PLAN IS FOR GENERAL ARCHITECTURAL INFORMATION ONLY. REFER TO MEP DOCUMENTS FOR ROOFTOP EQUIPMENT NOT SHOWN, AND FOR ADDITIONAL REQUIREMENTS AND COORDINATION.
- ACCESSORIES SHOULD BE RECOMMENDED BY THE ROOFING SYSTEM MANUFACTURER FOR
- STEM WALL CONSTRUCTED OF 6" GALVANIZED COLD FORMED METAL FRAMING AT 16" O.C. WITH CON. TRACK AT TOP AND BOTTOM AND WITH 3/4" FR-EXT GRADE PLYWOOD AT EACH SIDE, TOP TO W. REFER TO MEP DOCUMENTS FOR THE PIPE SUPPORT LOCATIONS, TYPE, AND DETAILS. PAD SHALL
- X. GUTTERS SHALL BE PRE-FINISHED GALVANIZED STEEL, SIZE PER ROOF PLAN, UNO. PROVIDE
- GALVANIZED STEEL SPACERS AT 36" O.C. MAX, STAGGER WITH EACH OTHER AT 18" O.C.
- PLAN. PROVIDE PRE-FINISHED 2" GALVANIZED STEEL HANGERS AT 36" O.C. COORDINATE LOCATION

AMERICAN INSTITUTE OF ARCHITECTS

| PROJECT | NUMBEI |
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| 2150 |)09 |

DATE MAY 15, 2017

| TAL | RISE WALL W/EXPANSIC JOINT |
|-----|----------------------------------|
| | SKYLIGHT |

|) CORNICE, ING PROFILE - TYP. | METAL GUTTER & DOWNSPOUT SYSTEM RE: SPECS. | | NEW STUCCO CORNICE, MATCH EXISTING PROFILE AND FINISH, TYP. | | | | | | | | |
|-------------------------------------|--|-------------|--|--|---------------------------------------|---------------------|-----------|----|--|-------------------------|----|
| WALL | | · · · · · · | | | · · · · · · · · · · · · · · · · · · · | | · · · · · | | | | -, |
| OVER CMU ING FINISH — ?. | C.J. | | C.J. 7/8" STUCCO OVER CMU MATCH EXISTING FINISH TEXTURE, TYP. | | MATCH EXISTING WALL HT. | GC TO EIEL D VEDIEV | | C. | | 7/8" S MATC TEXTU | |

TOILET ACCESSORIES LEGEND

| TAG | DESCRIPTION | MODEL NO. | NOTES |
|------------------------------------|---|---------------------------------|-------------------|
| Â | STAINLESS STL GRAB BAR 36" LONG | B-6806-36 | 1 & 9 |
| B | STAINLESS STL GRAB BAR 42" LONG | B-6806-42 | 1 & 9 |
| $\langle \hat{\mathbf{C}} \rangle$ | STAINLESS STL SHOWER GRAB BAR 18" X 30" | B-6861 | 1 & 9 |
| $\langle \mathbf{D} \rangle$ | ADA HARDWOOD BENCH 24" X 48" | | 1 & 11 |
| Ê | REVERSIBLE FOLDING SHOWER SEAT | B-5181 | 1,2&9 |
| G | FRAMED 1/4" PLATE GLASS MIRROR 18"x36" | B-290-1836 | 2&9 |
| K | RECESSED SOAP DISH | B-4390 | 4 & 9 |
| Ê | TOWEL PIN | B-677 | 2&9 |
| N | RECESSED PAPER TOWEL DISPENSER | B-369 | 3, 9 & 10 |
| Q | SHOWER ROD SHOWER CURTAIN & HOOKS | B-207X36" B-204-1 B-204-2 | 7&9 8&9 8&9 |
| Û | SURFACE MOUNTED SOAP DISPENSER BOBRICK CONTURA SERIES | B-4112 | 9 & 10 |
| $\langle \mathbf{\hat{V}} \rangle$ | SURFACE MOUNTED TWO-ROLL TISSUE DISPENSER BOBRICK CLASSIC SERIES | B-265 | 6&9 |

TOILET ACCESSORIES NOTES

- PROVIDE ALL NECESSARY ANCHORING PLATES AND FASTENERS. PROVIDE EXPANSION SHIELDS FOR CMU PTN OR ANCHORING PLATE AND TOGGLE BOLTS AT GYP BD WALL CONDITIONS FOR SECURE
- ATTACHMENT. COORDINATE WITH WALL PTN CONSTRUCTION FOR RECESSED 3.
- ACCESSORY. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS
- STANDARD COLORS.
- COORDINATE ELECTRICAL REQUIREMENTS AND ANCHORING. LENGTH OF ROD SHALL BE FIELD VERIFIED AND COORDINATED BY
- CONTRACTOR. QUANTITY OF HOOKS AND SIZE OF CURTAIN TO BE PROVIDED AS 7.
- REQUIRED TO FIT OPENING.
- COORDINATE LOCATION WITH OTHER ACCESSORIES ON WALL.
- ALL RESTROOM ACCESORIES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS PART OF BASE BID. SEE SPEC SECTION 10155
 - SOAP DISPENSERS
 TOWEL DISPENSERS • TISSUE DISPENSERS • MIRRORS
 - ADA GRAB BARS
- 10. RE: A3.0 & A3.1 FOR MOUNTING HEIGHTS
- 11. RE: SPEC SECTION 10501 FOR BENCHES, TYP.

<u>GENERAL NOTES</u>

- 1. GENERAL CONTRACTOR SHALL VISIT SITE AND FAMILIARIZE WITH ALL EXISTING CONDITIONS AND CONTRACT DOCUMENTS. CONTRACTOR SHALL REPORT TO THE ARCHITECT ANY DISCREPANCIES OR IRREGULARITIES THAT MAY EXIST PRIOR TO SUBMITTING A BID.
- 2. GENERAL CONTRACTOR SHALL REMOVE ALL DEBRIS AND CONSTRUCTION MATERIAL OFF OF SITE AND DISPOSE ON APPROPRIATE DUMPSITE.
- 3. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, QUANTITIES, ETC. PRIOR TO BIDDING.
- 4. EXISTING RESTROOMS: PROVIDE NEW CERAMIC WALL TILE (TO MATCH EXISTING) AND SALTILLO FLOOR TILE WHERE DEMO WORK HAS OCCURED. IF TILE IS OBSOLETE OR NO MATCH CAN BE ACHIEVED, CONTRACTOR SHALL INSTALL NEW TILE ON ALL WALLS (FULL HEIGHT) AND NEW SALTILLO FLOOR TILE.
- 5. NEW RESTROOMS: PROVIDE NEW CERAMIC WALL TILE WAINSCOT AT ALL WALLS, RE: 6/A3.1 FOR PATTERNS AND ACCENTS, TYP.

EXISTING RESTROOM DIMENSIONS.

9 ENLARGED RESTROOM PLAN 1/4" = 1'-0"

CONTRACTOR TO FIELD VERIFY

STUCCO BANDS, TYP. TO PROJECT 2" ABOVE

FIELD STUCCO.

TEXTURE, TYP.

8 ENLARGED ELEVATION 1/4" = 1'-0"

12x12 GLAZED CERAMIC TILE OVER MTL. LATH OVER CMU, TYP. STUCCO BANDS, TYP. - TO PROJECT 2" ABOVE

EXISTING STUCCO

9 FLOOR LOGO DETAIL 1/2" = 1'-0"

4'-0" X 5'-6" CERAMIC TILE FLOOR LOGO, TYP. BASED BID: 5 COLORS

AREA, PROVIDE POSITIVE

REMOVE PARTIAL STUCCO MOULDINGS___ AS NEEDED

EXISTING STUCCO WALL, TYP.

MILNET ARCHITECTURAL SERVICES AMERICAN INSTITUTE OF ARCHITECTS Σġ В Δ PROJECT NUMBER 215009 DATE MAY 15, 2017 **ISSUED FOR** CONSTRUCTION

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OF

- 11. SALLY PORT TO BE EXPOSED STRUCTURE, PAINTED

4 FURR DOWN DETAIL 3/4" = 1'-0"

4 \succ \frown \square \checkmark _____ . \square -----Δ _____ _____ _____ Z^{I} PROJECT NUMBER 215009 DATE MAY 15, 2017 _____ ISSUED FOR CONSTRUCTION

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MILNET

SERVICES

2 BUILDING SECTION 1/8" = 1'-0"

1 <u>BUILDING SECTION</u> 1/8" = 1'-0"

MILNET

PROJECT NUMBER 215009

> DATE MAY 15, 2017

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2 WALL SECTION / 3/4" = 1'-0"

BATT INSULATION RE: SPECS. ——

THERMOPLASTIC

MULTI PLY ROOF

METAL DECK

RE: STRUCT. —

STEEL JOISTS

RE: STRUCT. -

WALLS, TYP.

FINISH FLOOR AS PER SCHD.

(1) WALL SECTION 3/4" = 1'-0"

MILNET ARCHITECTURAL SERVICES AMERICAN INSTITUTE OF ARCHITECTS 4 \succ Δ O D S D A \bigcirc Ω \cap PROJECT NUMBER 215009 DATE MAY 15, 2017 _____ **ISSUED FOR** CONSTRUCTION _____

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OF

BARRIER ON CMU, RE: SPECS

FLUSH MORTAR JOINTS, TYP.

DUR-O-WALL TRUSS TYPE HOT DIPPED GALV. HORIZ.

8 SECTION DETAIL 3/8" = 1'-0"

6 EXTERIOR EXPANSION JOINT 6" = 1'-0"

3 <u>1" FLOOR TO WALL EXP. JOINT</u> 6" = 1'-0"

BALCO 6TW-1 SURFACE MOUNTED WALL SYSTEM CLEAR ANODIZED FINISH ALUMINUM COVER MILL FINISH ALUMINUM BASE, RE: SPECS.

CLIP-IN WALL SYSTEM CLEAR ANODIZED FINISH

BALCO 1C1

INTEGRAL BASE TYP.

METAL LOCKERS RE: SPECS, TYP.

GYP. BD. TEXTURED _ _

7 INTERIOR ELEVATION 1/4" = 1'-0"

6 INTERIOR ELEVATION 1/4" = 1'-0"

9 INTERIOR ELEVATION 1/4" = 1'-0"

5 INTERIOR ELEVATION 1/4" = 1'-0"

DOOR SCHEDULE

| | DOOR SCHEDULE - CITY HALL | | | | | | | | | | | | |
|--|--|---|--|--|--|---|---|--|-------------|---|--|--|---|
| Door No. | Door Description | Door Type | Width | Height | Thickness | Material | Frame Type | Hardware Set | Fire Rating | Head Detail | Jamb Detail | Sill Detail | Comments |
| 100 | UTILITIES | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 16.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | PROXIMITY CARD. (FAIL SAFE DOOR) |
| 101 | UTILITIES | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 16.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | PROXIMITY CARD. (FAIL SAFE DOOR) |
| 102 | CORRIDOR | F | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Hollow Metal, Painted | В | 3.0 | 6 | /A7.3 | 5/A7.3 | 4/A7.3 | PROXIMITY CARD W/PANIC HARDWARE. (FAIL SAFE DOOR) |
| 103 | CODE ENFORCEMENT | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 16.0 | 3. | /A7.3 | 2/A7.3 | 1/A7.3 | PROXIMITY CARD. (FAIL SAFE DOOR) |
| 104 | PUBLIC WORKS | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 105 | ELECTRICAL RM. | F | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Hollow Metal, Painted | В | 7.0 | 6 | /A7.3 | 5/A7.3 | 4/A7.3 | |
| 106 | OFFICE | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | А | 12.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 107 | LOUNGE | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | А | 14.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 108 | MEN | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | А | 20.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 109 | WOMEN | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | А | 20.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 110 | SECRETARY | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | А | 12.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 111 | STORAGE | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | А | 9.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 112 | FINANCE | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | А | 12.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 112A | FINANCE | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 17.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | PROXIMITY CARD. (FAIL SAFE DOOR) |
| 113 | CLERKS | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 113A | CLERKS | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 114 | OFFICE | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | |
| 116 | CORRIDOR | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 17.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) |
| 117 | CORRIDOR | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 17.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) |
| 118 | CORRIDOR | F | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Hollow Metal, Painted | В | 3.5 | 6 | /A7.3 | 5/A7.3 | 4/A7.3 | PROVIDE PANIC HARDWARE |
| Door No. | Door Description | Door Type | Width | Height | Thickness | Material | Frame Type | Hardware Set | Fire Rating | Head Detail | Jamb Detail | Sill Detail | Comments |
| 200 | | | | | | | | | • | | | | |
| 200 | EVICTINC | | 6' 0" | o' 0" | 0' 2" | | | 24.0 | | | | | Evicting to Domain |
| 201 | EXISTING EXISTING | | 6' - 0" 6' - 0" | 8' - 0" 7' - 0" | 0' - 2" 0' - 2" | | - | 24.0 2.0 | | | | | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) |
| 201 | EXISTING EXISTING EXISTING | | 6' - 0" 6' - 0" 3' - 0" | 8' - 0" 7' - 0" 8' - 0" | 0' - 2" 0' - 2" 0' - 2" | | - | 24.0 2.0 24.0 | | | | | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 | EXISTING EXISTING EXISTING CONFERENCE RM. | B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" | 8' - 0" 7' - 0" 8' - 0" 7' - 0" | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" | Solid Core Wd. Stained Finish | - - - A | 24.0 2.0 24.0 12.5 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A | EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING | B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" | 8' - 0" 7' - 0" 8' - 0" 7' - 0" 7' - 0" | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" | Solid Core Wd. Stained Finish | - - - A | 24.0 2.0 24.0 12.5 24.0 | 3 | /A7.3 | 2/A7.3 | 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 | EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING STORAGE | B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" | 8' - 0" 7' - 0" 8' - 0" 7' - 0" 7' - 0" 7' - 0" | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 1 3/4" | Solid Core Wd. Stained Finish | - - - A - A | 24.0 2.0 24.0 12.5 24.0 9.5 | 3 | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. Existing to Remain. |
| 201 205 206 206A 208 210 | EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING STORAGE EXISTING | B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" | 8' - 0" 7' - 0" 8' - 0" 7' - 0" 7' - 0" 7' - 0" 7' - 0" | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 1 3/4" 0' - 2" | Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish | - - A - A - A | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 | 3 | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. Existing to Remain. Existing to Remain. Existing to Remain. |
| 201 205 206 206A 208 210 211 | EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING STORAGE EXISTING EXISTING | B B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" | 8' - 0" 7' - 0" 8' - 0" 7' - 0" 7' - 0" 7' - 0" 7' - 0" 7' - 0" 7' - 0" | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 4" | Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish | - - A - A - A - - A - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 24.0 24.0 | 3 | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 210 211 212 | EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING STORAGE EXISTING EXISTING EXISTING | B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" | 8' - 0" 7' - 0" 8' - 0" 7' - 0" | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 4" 0' - 4" | Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish | - - A - A - A - - - - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 24.0 24.0 24.0 | 3 | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 210 211 212 213 | EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING STORAGE EXISTING EXISTING EXISTING EXISTING EXISTING | B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 4' - 0" 3' - 0" | 8' - 0" 7' - 0" 8' - 0" 7' - 0" 7' - 0" 7' - 0" 7' - 0" 7' - 0" 7' - 0" 7' - 0" 8 7' - 0" 8 7' - 0" 7' - 0" 8 7' - 0" 7' - 0" 8' - 0" | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 4" 0' - 4" 0' - 2" | Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish | - - A - A - A - - - - - - New | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 24.0 24.0 24.0 24.0 25.0 | 3 | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 210 211 212 213 214 | EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING STORAGE EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING | B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 4' - 0" 3' - 0" 3' - 0" | 8' - 0" 7' - 0" 8' - 0" 7' - 0" | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 4" 0' - 4" 0' - 2" 0' - 2" 0' - 2" | Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish | - - A - A - A - - - - - - - - New - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 24.0 24.0 24.0 24.0 25.0 24.0 | | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 210 211 212 213 214 215 | EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING | B B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 4' - 0" 3' - 0" 3' - 0" 3' - 0" | 8' - 0" 7' - 0" 8' - 0" 7' - 0" | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 4" 0' - 4" 0' - 2" 0' - 2" 0' - 2" 0' - 2" | Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish | - - A - A - A - - - New - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 | 3 | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 210 211 212 213 214 215 216 | EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING | B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 4' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" | 8' - 0" 7' - 0" 8' - 0" 7' - 0" | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 2" 0' - 2" 0' - 4" 0' - 2" 0' - 2" 0' - 2" 0' - 2" 0' - 2" 0' - 2" 0' - 2" | Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish | - - A - A - - A - - - - New - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 | | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 210 211 212 213 214 215 216 217 | EXISTING EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING | B B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 3' - 0" | 8' - 0" $7' - 0"$ $8' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $8' - 0"$ $7' - 0"$ $8' - 0"$ $8' - 0"$ | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 2" 0' - 2" 0' - 4" 0' - 2" 0' - 2" 0' - 2" 0' - 2" 0' - 2" 0' - 2" 0' - 2" | Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish | - - A - A - A - - - - New - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 | | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 210 211 212 213 214 215 216 217 218 | EXISTING EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING STORAGE EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING | B B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 4' - 0" 3' - 0" | 8' - 0" $7' - 0"$ $8' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $8' - 0"$ $7' - 0" 7' - 0"0' - 2"0' - 2"0' - 2"0' - 1 3/4"0' - 2"0' - 2"0' - 2"0' - 4"0' - 4"0' - 2"0' - 2"0' - 2"0' - 2"0' - 2"0' - 2"0' - 2"0' - 2"Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish--A-A--A---New-24.0 2.0 24.0 12.5 24.0 9.5 24.0/A7.3/A7.32/A7.32/A7.31/A7.31/A7.3Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTONRELEASE. (FAIL SAFE DOOR) Existing to Remain. Existing to Remain.$ | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 2" 0' - 2" 0' - 4" 0' - 4" 0' - 2" 0' - 2" | Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish | - - A - A - - A - - - New - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 | | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 210 211 212 213 214 215 216 217 218 219 | EXISTING EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING | B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 3' - 0" | 8' - 0" $7' - 0"$ $8' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $8' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 2" 0' - 2" 0' - 4" 0' - 2" 0' - 2" | Solid Core Wd. Stained Finish Solid Core Wd. Stained Finish | - - A - A - A - - New - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 | | /A7.3 | 2/A7.3 | 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 210 211 212 213 214 215 216 217 218 219 220 | EXISTING EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING CORRIDOR | B B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 4' - 0" 3' - 0" | 8' - 0" $7' - 0"$ $8' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $8' - 0"$ $7' - 0"$ | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 2" 0' - 2" 0' - 4" 0' - 2" 0' - 1 3/4" | Solid Core Wd. Stained Finish | - - A - A - A - - - New - - New - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 | | /A7.3 /A7.3 | 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206 206A 208 210 211 212 213 214 215 216 217 218 219 220 221 | EXISTING EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING STORAGE EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING EXISTING CORRIDOR LOUNGE | B B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 4' - 0" 3' - 0" | 8' - 0" $7' - 0"$ $8' - 0"$ $7' - 0"$ | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 2" 0' - 2" 0' - 4" 0' - 4" 0' - 2" 0' - 1 3/4" 0' - 1 3/4" | Solid Core Wd. Stained Finish | A - A - A A A A A A A A A - A - A A A A | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 15.0 14.5 | | /A7.3 /A7.3 /A7.3 /A7.3 /A7.3 | 2/A7.3 2/A7.3 2/A7.3 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 1/A7.3 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206A 208 210 211 212 213 214 215 216 217 218 219 220 221 223 | EXISTING EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING | B B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 4' - 0" 3' - 0" | 8' - 0" $7' - 0"$ $8' - 0"$ $7' - 0"$ | 0' - 2" 0' - 2" 0' - 2" 0' - 1 3/4" 0' - 2" 0' - 2" | Solid Core Wd. Stained Finish | A - A - A - A - A - A - A - A - A - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 15.0 14.5 24.0 | | /A7.3 /A7.3 /A7.3 /A7.3 | 2/A7.3 2/A7.3 2/A7.3 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 1/A7.3 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206A 208 210 211 212 213 214 215 216 217 218 219 220 221 223 224 | EXISTING EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING | B B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 4' - 0" 3' - 0" | 8' - 0" $7' - 0"$ $8' - 0"$ $7' - 0"$ $8' - 0"$ $7' - 0"$ $8' - 0"$ $8' - 0"$ $8' - 0"$ $8' - 0"$ | $\begin{array}{c} 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 1 3/4" \\ 0' - 1 3/4" \\ 0' - 2" \\ 0' - 2" \\ 0' - 4" \\ 0' - 4" \\ 0' - 4" \\ 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 1 3/4" \\ 0' - 1 3/4" \\ 0' - 1 3/4" \\ 0' - 2" \\$ | Solid Core Wd. Stained Finish | A - A - A - A - A - A - A - A - A - | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 | | /A7.3 /A7.3 /A7.3 /A7.3 | 2/A7.3 2/A7.3 2/A7.3 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 1/A7.3 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. |
| 201 205 206A 208 210 211 212 213 214 215 216 217 218 219 220 221 223 224 225 | EXISTING EXISTING EXISTING EXISTING CONFERENCE RM. EXISTING STORAGE EXISTING | B B B | 6' - 0" 6' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 3' - 0" 4' - 0" 4' - 0" 3' - 0" | 8' - 0" $7' - 0"$ $8' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $7' - 0"$ $8' - 0"$ $7' - 0"$ $8' - 0"$ $8' - 0"$ $8' - 0"$ $8' - 0"$ $8' - 0"$ $8' - 0"$ $8' - 0"$ | $\begin{array}{c} 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 1 3/4" \\ 0' - 2" \\ 0' - 1 3/4" \\ 0' - 2" \\ 0' - 4" \\ 0' - 4" \\ 0' - 4" \\ 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 2" \\ 0' - 1 3/4" \\ 0' - 1 3/4" \\ 0' - 2" \\ 0' - 2" \\ 0' - 1 3/4" \\ 0' - 1 $ | Solid Core Wd. Stained Finish | A - A - A A A A A A A A A - A A A A | 24.0 2.0 24.0 12.5 24.0 9.5 24.0 | | /A7.3 /A7.3 /A7.3 /A7.3 | 2/A7.3 2/A7.3 2/A7.3 2/A7.3 2/A7.3 | 1/A7.3 1/A7.3 1/A7.3 1/A7.3 1/A7.3 | Existing to Remain. Existing Door to receive PROXIMITY CARD. PUSH BUTTON RELEASE. (FAIL SAFE DOOR) Existing to Remain. Existing to Remain. |

| Door No. Door Description Door Type Width Height Thickness Material Frame Type Hardware Set Fire Rating Head Detail Jamb Detail Sill Detail Sill Detail Comm 200 EXISTING 6'-0" 8'-0" 0'-2" 24.0 | ents |
|--|------------------------------------|
| Z00 EXISTING 6' - 0" 8' - 0" 0' - 2" 24.0 Existing to Remain. 201 EXISTING 6' - 0" 7' - 0" 0' - 2" 2.0 Image: Comparison of the co | |
| 200EXISTING6'-0"8'-0"0'-2"-24.0-6'-0Existing to Remain.201EXISTING6'-0"7'-0"0'-2"-2.0Existing to receive PROXIMITY RELEASE. (FAIL SAFE DOOR)205EXISTING3'-0"8'-0"0'-2"-24.0Existing to Remain.206CONFERENCE RM.B3'-0"7'-0"0'-2"24.03/A7.32/A7.31/A7.3Existing to Remain.206AEXISTING3'-0"7'-0"0'-2"24.0Existing to Remain.206AEXISTING3'-0"7'-0"0'-2"24.0Existing to Remain.207EXISTING3'-0"7'-0"0'-2"24.0Existing to Remain.208STORAGEB3'-0"7'-0"0'-2"24.0Existing to Remain.210EXISTING3'-0"7'-0"0'-2"24.0Existing to Remain.211EXISTING3'-0"7'-0"0'-2"24.0Existing to Remain.211EXISTING3'-0"7'-0"0'-4" | |
| 201EXISTING6' 0"7' 0"0' 2"-2.0Image: Comparing the second term of te | |
| 205EXISTING3'-0"8'-0"0'-2"24.0Image: Comparing the state of the state | CARD. PUSH BUTTON |
| 206CONFERENCE RM.B3' 0"7' 0"0' 1 3/4"Solid Core Wd. Stained Finish AA12.53/A7.32/A7.31/A7.31/A7.3206AEXISTING3' 0"7' 0"0' 2"24.05/A7.31/A7.3Existing to Remain.208STORAGEB3' 0"7' 0"0' 1 3/4"Solid Core Wd. Stained FinishA9.53/A7.32/A7.31/A7.3Existing to Remain.210EXISTING3' 0"7' 0"0' 2"24.05/A7.31/A7.3Existing to Remain.211EXISTING4' 0"7' 0"0' 4"24.0Existing to Remain. | |
| 206AEXISTING3'-0"7'-0"0'-2"24.0-Side of the second of t | |
| 208STORAGEB3'-0"7'-0"0'-13/4"Solid Core Wd. Stained FinishA9.53/A7.32/A7.31/A7.3I/A7.3210EXISTING3'-0"7'-0"0'-2"24.024.0Existing to Remain.211EXISTING4'-0"7'-0"0'-4"24.0Existing to Remain. | |
| 210 EXISTING 3' - 0" 0' - 2" - 24.0 Image: Second se | |
| $\mathbf{EXISTING} = \mathbf{A} + $ | |
| | |
| 212 EXISTING 4' - 0" 7' - 0" 0' - 4" - 24.0 Existing to Remain. | |
| 213 EXISTING 3' - 0" 8' - 0" 0' - 2" New 25.0 Image: Second secon | match existing. Field verify size. |
| 214 EXISTING 3' - 0" 0' - 2" 24.0 Image: Second s | |
| 215 EXISTING 3' - 0" 0' - 2" 24.0 Existing to Remain. | |
| 216 EXISTING 3' - 0" 0' - 2" 24.0 Existing to Remain. | |
| EXISTING 4'-0" 8'-0" Existing to Remain. | |
| 218 EXISTING 3' - 0" 0' - 2" 24.0 Existing to Remain. | |
| 219 EXISTING 3' - 0" 0' - 2" 24.0 Existing to Remain. | |
| 220 CORRIDOR A 3'-0" 7'-0" 0'-13/4" Solid Core Wd. Stained Finish A 15.0 3/A7.3 2/A7.3 1/A7.3 | |
| 221 LOUNGE B 3'-0" 7'-0" 0'-13/4" Solid Core Wd. Stained Finish A 14.5 3/A7.3 2/A7.3 1/A7.3 | |
| 223 EXISTING 3'-0" 8'-0" 0'-2" - 24.0 Existing to Remain. | |
| 224 EXISTING 3' - 0" 8' - 0" 0' - 2" Existing to Remain. | |
| 225 EXISTING 6'-0" 7'-0" 0'-13/4" 24.0 Existing to Remain. | |
| 226 EXISTING 6' - 0" 7' - 0" 0' - 1 3/4" - 24.0 Existing to Remain. | |

WINDOW TYPES

DOOR SCHEDULE

| | | | | | | | DC | OOR SCHEDULE | E - POLICE | DEPT. | | | |
|----------|---------------------|-----------|----------|---------|-------------|---------------------------------|---------------|--------------|----------------|-------------|-------------|-------------|--------------|
| Door No. | Door Description | Door Type | Width | Height | Thickness | Material | Frame Type | Hardware Set | Fire Rating | Head Detail | Jamb Detail | Sill Detail | |
| 300 | VESTIBULE | E | 6' - 0" | 7' - 0" | 0' - 1 3/4" | Aluminum & Glass | Aluminum | 1.0 | | | | | |
| 301 | MEN | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 20.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 302 | WOMEN | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 20.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 303 | LOBBY | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 18.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | PROX |
| 304 | SERVER | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 10.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 305 | DISPATCH | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 305A | UNISEX RR | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 21.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 306 | OFFICE | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 307 | RECORDS | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 308 | JUDGE | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 308A | JUDGE | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 309 | MUNICIPAL CLERKS | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 310 | MUNICIPAL COURT | D | 6' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | D | 8.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | PROX |
| 312 | POLICE CHIEF | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 313 | CORRIDOR | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 17.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | PROX |
| 313A | CORRIDOR | F | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Hollow Metal, Painted | В | 4.0 | | 6/A7.3 | 5/A7.3 | 4/A7.3 | PROX |
| 314 | SERGEANTS | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 315 | INVESTIGATOR | A | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 316 | ELECTRICAL RM. | F | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Hollow Metal, Painted | В | 7.0 | | 6/A7.3 | 5/A7.3 | 4/A7.3 | |
| 317 | NARCOTICS | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 16.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | PROX |
| 318 | SQUAD RM. | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 12.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 319 | WOMEN | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 21.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 320 | MEN | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 21.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 321 | FITNESS AREA | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 14.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 322 | JUVENILE RM | F | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Hollow Metal, Painted | В | 16.5 | | 6/A7.3 | 5/A7.3 | 4/A7.3 | PROX |
| 322A | INTERROGATION RM | F | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Hollow Metal, Painted | В | 17.5 | | 6/A7.3 | 5/A7.3 | 4/A7.3 | PROX |
| 323 | PROCESSING | F | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Hollow Metal, Painted | В | 5.0 | | 6/A7.3 | 5/A7.3 | 4/A7.3 | PROX SECU |
| 324 | MALE CELL | G | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Galvanized Steel, Painted | С | 23.0 | | 9/A7.3 | 8/A7.3 | 7/A7.3 | DETE |
| 325 | FEMALE CELL | G | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Galvanized Steel, Painted | С | 23.0 | | 9/A7.3 | 8/A7.3 | 7/A7.3 | DETE |
| 326 | SALLY PORT MAN DOOR | F | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Hollow Metal, Painted | В | 3.0 | | 6/A7.3 | 5/A7.3 | 4/A7.3 | PROX |
| 326A | SALLY PORT | Н | 10' - 0" | 9' - 6" | 0' - 1 3/8" | Galvanized Steel, Powder coated | Galv. Steel | 22.0 | | | | | ELEC |
| 326B | SALLY PORT | Н | 10' - 0" | 9' - 6" | 0' - 1 3/8" | Galvanized Steel, Powder coated | Galv. Steel | 22.0 | | | | | ELEC |
| 327 | RISER RM. | F | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Hollow Metal, Painted | В | 7.0 | | 6/A7.3 | 5/A7.3 | 4/A7.3 | |
| 328 | MEN | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 19.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |
| 330 | WOMEN | В | 3' - 0" | 7' - 0" | 0' - 1 3/4" | Solid Core Wd. Stained Finish | A | 19.0 | | 3/A7.3 | 2/A7.3 | 1/A7.3 | |

DOOR TYPES

| Comments | |
|---|--|
| | |
| KIMITY CARD W/PANIC HARDWARE. (FAIL SAFE DOOR) | |
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| KIMITY CARD W/PANIC HARDWARE. (FAIL SAFE DOOR) | |
| KIMITY CARD. (FAIL SAFE DOOR) | |
| (IMITY CARD W/PANIC HARDWARE. (FAIL SAFE DOOR) | |
| KIMITY CARD. (FAIL SECURE DOOR) | |
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| | |
| KIMITY CARD. (FAIL SECURE DOOR) KIMITY CARD. (FAIL SECURE DOOR) KIMITY CARD. PUSH BUTTON RELEASE FROM DISPATCH RM #305. (FAIL | |
| JRE DOOR) INTION DOOR. KEY ACCESS ONLY FROM OUTSIDE. VANDAL RESISTANT. | |
| ENTION DOOR. KEY ACCESS ONLY FROM OUTSIDE. VANDAL RESISTANT. KIMITY CARD W/PANIC HARDWARE. (FAIL SAFE DOOR) | |
| TRICAL ROLLING DOOR. | |
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| 10'-0" | |
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| GALVANIZED STEEL ROLLING | |
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| (H) | |
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| ARC | | | | | |
|--|--------------------------------|--|--|--|--|
| | NEW PUBLIC SAFETY BUILDING AND | | | | |
| PROJECT NUMBER 215009 DATE MAY 15, 2017 | | | | | |
| S H E E T A7.1 | | | | | |

ROOM FINISH SCHEDULE

| ROOM FINISH SCHEDULE | | | | | | | | |
|----------------------|----------------------------|------------------|--------|----------|----------|----------|---------------|------------------------------------|
| RM. NUMBER | ROOM NAME | FINISH NUMBER | WALLS | BASE | FLOOR | CEILING | MISCELLANEOUS | REMARKS |
| 100 | UTILITIES - PAYMENTS | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 101 | UTILITIES DRIVE THRU | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 102 | CORRIDOR | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 102 | | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 103 | | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 105 | ELECTRICAL RM. | F7 | W1 | B1 | F3 | C2 | | ELECTRICAL |
| 106 | OFFICE | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 107 | LOUNGE | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 108 | MEN | F2 | W3 | B2 | F4 | C2 | | RESTROOMS |
| 109 | | F2 F1 | VV3 | B2 B1 | F4 F1 | C2 | | RESTROUMS OFFICES STO CORRIDORS |
| 111 | STORAGE | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 112 | FINANCE DIRECTOR | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 113 | CLERKS | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 114 | | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 115 200 | | F11 FQ | VV4 | B3 | F3 F7 | | | |
| 200 | VESTIBULE | F9 | W2 | B3 | F7 | | | EXISTING CORRIDOR |
| 202 | CORRIDOR | F9 | W2 | B3 | F7 | | | EXISTING CORRIDOR |
| 202A | CORRIDOR | F9 | W2 | B3 | F7 | | | EXISTING CORRIDOR |
| 203 | FOYER | F13 | | | | | | |
| 204 | | F13 | | | | | | EXISTING SPACE |
| 205 | EXECUTIVE CONF. RM/ E.D.C. | F1 | W1 | B1 | F1 | C1 | | OFFICES. STO., CORRIDORS |
| 207 | VESTIBULE | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 208 | STORAGE | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 209 | COMMISSIONERS | F6 | W1 | B1 | F5 | C1 | | COMMISSIONERS COURT |
| 210 | | F13 | | | | | | EXISTING SPACE |
| 211 | STORAGE | F13 | | | | | | EXISTING SPACE |
| 213 | LOUNGE | F13 | | | | | | EXISTING SPACE |
| 214 | IDF/MDF ROOM | F13 | | | | | | EXISTING SPACE |
| 215 | JANITOR | F13 | | | | | | EXISTING SPACE |
| 216 | | F13 | | | | | | EXISTING SPACE |
| 217 | STO. | F13 | | | | | | EXISTING SPACE |
| 219 | WOMEN | F13 | | | | | | EXISTING SPACE |
| 220 | CORRIDOR | F10 | W1 | B1 | | C1 | | EXISTING SPACE |
| 221 | | F10 | W1 | B1 | | C1 | | |
| 222 | | F12 | | B3 | | C2 | | EXISTING SPACE |
| 223 | | F13 | | | | | | EXISTING SPACE |
| 225 | MECHANICAL YARD | F11 | W4 | | F3 | | | MECH. YARD |
| 226 | MECHANICAL | F11 | W4 | | F3 | | | MECH. YARD |
| 300 | VESTIBULE | F14 | W1 | B3 | F7 | C1 | | |
| 301 | | F2 F2 | W3 | B2 B2 | F4 F4 | C2 | | RESTROOMS |
| 302 | LOBBY | F14 | W1 | B3 | F7 | C1 | | |
| 304 | SERVER | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 305 | DISPATCH | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 305A | | F2 | W3 | B2 | F4 | C2 | | RESTROOMS |
| 306 | RECORDS | F1 | W1 | B1 | F1 F1 | C1 | | OFFICES, STO., CORRIDORS |
| 308 | JUDGES | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 309 | MUNICIPAL CLERKS | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 310 | | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 311 | | | W1 | B1 | | C1 | | OFFICES, STO., CORRIDORS |
| 312 | CORRIDOR | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 314 | SERGEANTS | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 315 | INVESTIGATOR | F1 | W1 | B1 | F1 | C1 | | OFFICES, STO., CORRIDORS |
| 316 | ELECTRICAL | F7 | W1 | B1 | F3 | C2 | | |
| 317 | | | VV1 | B1 | | C1 | | OFFICES, STO., CORRIDORS |
| 319 | WOMEN | F2 | W3 | B1 B2 | F4 | C1 C2 | | RESTROOMS |
| 320 | MEN | F2 | W3 | B2 | F4 | C2 | | RESTROOMS |
| 321 | FITNESS AREA | F3 | W1 | B1 | F6 | C1 | | FITNESS AREA |
| 322 | JUVENILE | F4 | W2 | B1 | F2 | C4 | | CELLS |
| 322A | INTV. KM. | F4 | VV2 | B1 | F2 F2 | C4 | | |
| 323 | MALE HOLDING CFI I | F4 | W2 | B1 | F2 | C4 | | CELLS |
| 325 | FEMALE HOLDING CELL | F4 | W2 | B1 | F2 | C4 | | CELLS |
| 326 | SALLY PORT | F8 | W4 | B1 | F3 | C5 | | SALLY PORT |
| 327 | RISER RM. | F7 | W1 | B1 | F3 | C2 | | ELECTRICAL |
| 328 | | F5 | W3 | B2 | F4 | C3 | | SHOWERS & LOCKER AREA |
| 329 330 | WOMEN | F5 | W3 | B2 | F4 | C3 | | SHOWERS & LOCKER AREA |
| 331 | LOCKER RM | F5 | W3 | B2 | F4 | C3 | | SHOWERS & LOCKER AREA |
| | | | | | | | | |

ROOM FINISH LEGEND

| | ype |
|--|---|
| W/1 | GYPSUM BOARD TEXTUR |
| W2 | CMU SEALED & PAINTED |
| W3 | 5'-0" CERAMIC TILE WAINS |
| W4 | CMU SEALED & PAINTED |
| | |
| Finish T | уре |
| B1 | 4" RUBBER BASE |
| B2 | 4" CERAMIC COVE BASE |
| B3 | SALTILLO CERAMIC TILE |
| Finish T | уре |
| Finish T | |
| Finish T F1 F2 | VINYL COMPOSITION TILE |
| Finish T F1 F2 F3 | VINYL COMPOSITION TILE SEALED CONCRETE WITH SEALED CONCRETE |
| Finish T F1 F2 F3 F4 | VINYL COMPOSITION TILE SEALED CONCRETE WITH SEALED CONCRETE CERAMIC TILE |
| Finish T F1 F2 F3 F4 F5 | ype VINYL COMPOSITION TILE SEALED CONCRETE WITH SEALED CONCRETE CERAMIC TILE CARPET |
| Finish T F1 F2 F3 F4 F5 F6 | VINYL COMPOSITION TILE SEALED CONCRETE WITH SEALED CONCRETE CERAMIC TILE CARPET RECOIL FITNESS RUBBER |
| Finish T F1 F2 F3 F4 F5 F6 F7 | ype VINYL COMPOSITION TILE SEALED CONCRETE WITH SEALED CONCRETE CERAMIC TILE CARPET RECOIL FITNESS RUBBEF SALTILLO CERAMIC TILE, |
| Finish T F1 F2 F3 F4 F5 F6 F7 Finish T | ype VINYL COMPOSITION TILE SEALED CONCRETE WITH SEALED CONCRETE CERAMIC TILE CARPET RECOIL FITNESS RUBBEF SALTILLO CERAMIC TILE, |
| Finish T F1 F2 F3 F4 F5 F6 F7 Finish T | ype VINYL COMPOSITION TILE SEALED CONCRETE WITH SEALED CONCRETE CERAMIC TILE CARPET RECOIL FITNESS RUBBEF SALTILLO CERAMIC TILE, |
| Finish T F1 F2 F3 F4 F5 F6 F7 Finish T C1 C2 | ype VINYL COMPOSITION TILE SEALED CONCRETE WITH SEALED CONCRETE CERAMIC TILE CARPET RECOIL FITNESS RUBBEF SALTILLO CERAMIC TILE, ype 2X2 SUSP. ACOUSTICAL C GYPSUM BOARD TEXTUR |
| Finish T F1 F2 F3 F4 F5 F6 F7 Finish T C1 C2 C3 | ype VINYL COMPOSITION TILE SEALED CONCRETE WITH SEALED CONCRETE CERAMIC TILE CARPET RECOIL FITNESS RUBBEF SALTILLO CERAMIC TILE, ype 2X2 SUSP. ACOUSTICAL C GYPSUM BOARD TEXTUR GYPSUM BOARD (MOISTU |

C5

WALLS

Description

D & PAINTED (LATEX PAINT)

ATEX PAINT) COT WITH 3'-0" OF TEXTURED AND PAINTED GYP. BOARD ABOVE. POXY PAINT)

BASE

Description

ASE, MATCH EXISTING

FLOOR

Description

CLEAR COAT

FLOORING IATCH EXISTING

CEILING

Description

EILING

D & PTD. OVER MTL. STUDS.

RE RESISTANT) TEXTURED & PTD. (EPOXY PAINT) OVER MTL. STUDS GYPSUM BOARD TEXTURED & PTD. OVER 3/4" PLYWOOD. OVER MTL. STUDS. EXPOSED STRUCTURE, PAINTED BLACK.

DATE MAY 15, 2017

ISSUED FOR CONSTRUCTION

_____ ------

-----_____

8" BOND BEAM

FLUID APPLIED WEATHER

7/8" STUCCO FINISH OVER

MTL. LATH ON CMU, TYP.

BARRIER, RE: SPECS.

9 HEAD DETAIL 1 1/2" = 1'-0"

1/2" CLEARANCE (+/-) BETWEEN DOOR & FLOOR (VERIFY W/ MANUF.)

6 HEAD DETAIL 1 1/2" = 1'-0"

- 2. SIGNS THAT DESIGNATE PERMANENT ROOMS AND SPACES MUST COMPLY WITH REQUIREMENTS FOR CHARACTER PROPORTION, RAISED ADN BRAILLED CHARACTERS AND PICTORIAL SYMBOLS SIGNS, FINISH AND CONTRAST,

2'-0"

CITY LOGO, 1

MILNET ARCHITECTURAL SERVICES, PLLC RODOLFO R. MOLINA, JR., A.I.A. GENERAL

CONTRACTOR REPRESENTATIVE

2017

CITY OF LA JOYA **NEW CITY HALL & RENOVATIONS** NEW PUBLIC SAFETY BUILDING

LA JOYA CITY COUNCIL

Jose A. "Fito" Salinas Anna Luisa Ruiz Mary Salinas Victorio Salinas Maria E. "Geny" Salinas

Mayor Mayor Pro Tem City Alderwoman City Alderman City Alderwoman

 $(4) \frac{\text{BUILDING PLAQUE}}{3" = 1'-0"}$

1 <u>CONC. BOLLARD DTL.</u> 1/2" = 1'-0"

MILNET ARCHITECTURAL SERVICES AMERICAN INSTITUTE OF ARCHITECTS <Σģ ר א ∩ א \square PROJECT NUMBER 215009 DATE MAY 15, 2017

> **ISSUED FOR** CONSTRUCTION

A8

OF

pocket or hinge approach

MANEUVERING CLEARANCE AT DOORWAYS WITHOUT DOORS. SLIDING DOORS, GATES AND FOLDING DOORS

DOOR CRITERIA:

GENERAL NOTES:

1. FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACE WITHIN REQUIRED MANEUVERING CLEARANCE SHALL BE STABLE FIRM, AND SLIP RESISTANT. CHANGES IN LEVEL ARE NOT PERMITTED. 2. VISION LIGHTS. DOORS, GATES, AND SIDE LIGHTS ADJACENT TO DOOR OR GATES, SHALL HAVE THE BOTTOM OF AT LEAST ONE GLAZED PANEL LOCATED 43" MAX. ABOVE THE FINISH FLOOR

A. THRESHOLD

NOTES:

1. 1/2" MAXIMUM TOTAL HEIGHT WITH 1/4" MAXIMUM VERTICAL CHANGE AT EDGE.

2. 1:2 SLOPED BEVEL REQUIRED IF LEVEL CHANGE IS OVER 1/4" VERTICAL LEVEL CHANGE.

DOOR TYPE:

1. MINIMUM 10" HIGH SMOOTH SURFACE AT DOOR BOTTOM, EITHER ATTACHED PANEL OR BOTTOM RAIL.

HARDWARE:

2. OPERABLE FROM INSIDE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE OR EFFORT. 3. OPENABLE BY SINGLE EFFORT LEVER-TYPE DEVICE (NOT

REQUIRING GRASPING).

4. MOUNTED 36" TO 42".

5. MAXIMUM 8.5 POUNDS EFFORT TO OPERATE EXTERIOR DOOR, 5 POUNDS FOR INTERIOR.

6. HARDWARE TO CONFORM TO 3304(C) OF THE UBC 91.

2 PARKING SIGNAGE N.T.S.

1 DOOR CRITERIA N.T.S.

GENERAL DEMOLITION NOTES

- A. THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED TO PROPERLY BID THE DEMOLITION WORK.
- B. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL AND/OR RELOCATION OF HVAC FIXTURES AND EQUIPMENTS AND ASSOCIATED SERVICES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.
- C. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN ADDITION TO THE DIVISION 15 AND 16 DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.
- D. WHERE EQUIPMENT IS INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED SERVICES SHALL BE CAPPED AT A CONCEALED LOCATION.
- E. WHERE SERVICES RUN ABOVE INACCESSIBLE CEILINGS OR IN WALLS WHICH ARE TO REMAIN UNDISTURBED, SERVICES SHALL BE CAPPED AT CONCEALED LOCATION AND ABANDONED
- F. WHERE THE REMOVAL OF EQUIPMENT RENDERS EQUIPMENT DOWNSTREAM INOPERABLE, SERVICES SHALL BE EXTENDED TO THE DOWNSTREAM EQUIPMENT SO THAT THE FIXTURES ARE LEFT IN OPERATING CONDITION.
- G. COORDINATE DEMOLITION OF DIVISION 15 SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.
 H. ALL EXISTING H.V.A.C. AND EQUIPMENT REMOVED DURING CONSTRUCTION THAT ARE NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED
- I. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, BE CAUTIOUS TO PREVENT DAMAGE DURING THE REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- J. EXISTING EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE
- DISCRETION OF THE ARCHITECT WHERE APPLICABLE.K. ALL DEVICES ATTACHED TO WALLS OR CEILINGS SHALL BE REMOVED PER DEMOLITION NOTE A - L WHETHER SHOWN ON DRAWINGS OR NOT.

KEYED NOTES: MECHANICAL DEMOLITION

- 1 EXISTING CENTRAL STATION AIR HANDLER TO REMAIN. CLEAN, SERVICE, & BALANCE TO CFM AMOUNT SPECIFIED ON REMODEL PLAN.
- $\langle 2 \rangle$ existing condenser(s) to remain. Clean & service.
- 3 EXISTING TRANSFORMER, REFER TO ELECTRICAL DOCUMENTS. REMOVE TRANSFORMER CONCRETE PAD & PATCH HOLE.
- $\langle 4 \rangle$ EXISTING WATER HEATER, REFER TO PLUMBING DOCUMENTS.

TO THE OWNER, IF DESIRED BY OWNER.

- 5 EXISTING LOUVER FOR OA TO BE REMOVED & REPLACED. COVER OPENING. REFER TO MECHANICAL REMODEL PLAN FOR NEW LOUVER SPECIFICATIONS.
- 6 TAKE DOWN EXISTING SA/RA/EA DEVICES, CLEAN & STORE ; TO BE RE-USED. REFER TO MECHANICAL REMODEL PLAN FOR WHERE TO PLACE RE-USED AIR DEVICES. RE-USE EXISTING SUPPLY AIR ROUND TAPS WHERE POSSIBLE.
- $\langle 7 \rangle$ CLEAN & SERVICE EXISTING EXHAUST FAN. SERVING INDICATED RR'S

1 MECHANICAL DEMO FLOOR PLAN 1/8" = 1'-0"

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OF

- $\langle 24 \rangle$ ROUTE REFRIGERANT LINES AND CONDENSER ELECTRICAL CONDUIT BELOW ROOF 'ROOFPENETRATIONHOUSING.COM' ROUTE REFRIGERANT LINES TO RESPECTIVE AIR
- 26 RUN 12"Ø ROUND INSULATED DUCT FROM GRILL TO NEAREST MAIN SUPPLY/RETURN

SEQUENCES FOR HVAC EQUIPMENT SERVING SECURE HOLDING, EXERCISE, AND LOCKERS:

AHU-2: UNIT TO BE IN EITHER COOLING OR DEHUMIDIFICATION DURING COOLING SEASON OR HEATING AND VENTILATION DURING HEATING

FAN TO RUN ON A TIME CLOCK; SCHEDULE TO BE SET DURING CONSTRUCTION AFTER COORDINATING SCHEDULING W/ OWNER.

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GENERAL NOTES - MECHANICAL:

(1) THE MECHANICAL CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE WORK IN FU COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES UNDER THIS SECTION (CONTRACT. IF THE CONTRACTOR DETERMINES THAT THE CONTRACT DOCUMENTS AND PLANS AF COMPLIANCE WITH THE APPLICABLE LOCAL CODES, HE/SHE SHALL INFORM THE ARCHITECT PRIC CONSTRUCTION START FOR DIRECTION. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR RESPONSIBILITY TO MEET APPLICABLE LOCAL CODES, AND RE-WORK SHALL BE AT CONTRACTOR

(2) CONTRACTOR SHALL HANG AND INSTALL ALL DUCTWORK FLUSH WITH THE BUILDING STRUC ACCOMMODATE NEW CEILINGS. CONTRACTOR SHALL COORDINATE ALL INSTALLATION WORK ARCHITECTURAL AND ELECTRICAL DESIGN. ALL DUCTWORK SHALL BE MODIFIED AS NECESSARY. REQUIRED TO FIT AROUND BUILDING STRUCTURES, ARCHITECTURAL BUILD-OUT AND ELECTRICAL INSTALLATIONS. MECHANICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WORK SCOPE TRADES AND PARTICIPATE IN COORDINATING ALL CONSTRUCTION EFFORTS.

(3) CONNECT EACH DIFFUSER TO THE MAIN DISTRIBUTION DUCTS WITH A FLEX-DUCT SECTION; CONNECTIONS SHALL BE COMPLETED IN ACCORDANCE WITH THE DETAIL. EACH FLEX-DUCT CON SHALL INCLUDE A BUTTERFLY DAMPER TO BE INSTALLED AT THE TRUNK DUCT.

(4) CONTRACTOR SHALL PROVIDE ALL DUCTWORK REQUIRED TO COMPLETE THE HVAC SYSTEM BRANCH DUCTS TO MAIN DUCTS WITH SHEET METAL FLANGES. FLANGE CONNECTION SHALL BE F

WITH CRIMPED SHEET METAL STRIPS AND SEALED WITH SILICONE CAULK. (5) CONTRACTOR SHALL SUPPLY AND INSTALL FIRE DAMPERS AND ACCESS DOORS IN THE HOR DUCTS WHERE THEY PENETRATE FIRE WALLS & BARRIERS.

(6) ALL OPENINGS CUT IN MASONRY AND PLASTER WALLS OR CONCRETE FLOORS SHALL BE C OR SAWED WHEN POSSIBLE. CONTRACTOR SHALL CHECK BUILDING CONSTRUCTION BEFORE MA PENETRATIONS TO AVOID CUTTING THROUGH STRUCTURAL BEAMS AND REINFORCING. CONTRA INFORM THE ENGINEER IF REINFORCING IS CUT OR DAMAGED WHILE MAKING OPENINGS. CONT SHALL REINFORCE ALL OPENINGS AS REQUIRED BY DRAWINGS AND SPECIFICATIONS. PATCH AN OPENINGS WITH 8000 PSI CEMENT GROUT. INSTALL DECORATIVE TRIM (EQUIPMENT FLANGES, FRA ESCUTCHEONS) AROUND OPENINGS IN FINISHED AREAS. COORDINATE ALL CUTTING AND PATCH THE OTHER TRADES

(7) ON ANY WORK SHOWN ON MECHANICAL DRAWINGS REQUIRING DEMOLITION OF EXISTIN BUILDING STRUCTURES AND FINISHES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CO NECESSARY DEMOLITION. CONTRACTOR SHALL PATCH AND REPAIR ALL DEMOLITION WORK. PAT SHALL BE COMPLETED WITH THE SAME MATERIALS AS THE SURROUNDING AREAS, OR WITH ARCHITECT-APPROVED PATCHING MATERIALS. REPAIRS SHALL BE COMPLETED ACCORDING TO ARCHITECTURAL SPECIFICATIONS. ALL REFINISHING SHALL BE APPROVED BY THE ARCHITECT.

(8) CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE INSTALLATION OF THE AIR DIS SYSTEM SHOWN. DUCTWORK, DUCT ACCESSORIES AND CONTROLS SHOWN AND REQUIRED SHA SUPPLIED AND INSTALLED. ALL INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH APPL CODES, INCLUDING NFFA 90A AND 90B.(NFPA 90A: STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS) (NFPA 90B: STANDARD FOR THE INSTALLATION C HEATING AND AIR-CONDITIONING SYSTEMS)

(9) CONTRACTOR SHALL BALANCE ALL AIR DISTRIBUTION SYSTEMS TO ACHIEVE THE AIR VOLUM REQUIREMENTS INDICATED. BALANCING SHALL INCLUDE ADJUSTMENT OF ALL MANUAL VOLUME SPUTTER DAMPERS, ZONE DAMPERS (IF REQUIRED), BUTTERFLY DAMPERS AND INDIVIDUAL DIFFUSE DAMPERS (FINAL BALANCING ONLY). CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A COMPL BALANCING REPORT WHICH INCLUDES, VOLUME, ROOM REFERENCE AND ZONE VOLUME TOTALS

(10) MOUNT ALL THERMOSTATS (SENSORS) 48" ABOVE THE FINISHED FLOOR LEVEL. THERMOSTATS SHALL BE IN CONTROL OF THE ZONE SYSTEM WHICH IS SUPPLYING AIR TO THE AREA WHERE THE TH IS LOCATED. CONTRACTOR SHALL SUPPLY AND INSTALL ALL CONTROL VOLTAGE WIRING AND CO THERMOSTAT (DDC CONTROL) INSTALLATION.

(11) CONTRACTOR SHALL INSTALL NEW REFRIGERANT PIPING FLUSH WITH THE BUILDING STRUCTU MECHANICAL ROOM BOUNDARIES AS SHOWN. CONTRACTOR SHALL COORDINATE ALL INSTALL WITH DUCTS AND ELECTRICAL CONDUIT. MECHANICAL CONTRACTOR SHALL FAMILIARIZE HIMSEI WORK SCOPE OF OTHER TRADES AND PARTICIPATE IN COORDINATING ALL CONSTRUCTION EFFO

(12) ALL PIPING SHALL BE INSULATED AND JACKETED. REFER TO THE SPECIFICATIONS. THE CONE AND ROOF TOP CONDENSER COILS ARE TO BE COATED IN ACCORDANCE WITH THE SPECIFICAT

(13) PROVIDE SMOKE DETECTOR AND SHUTDOWN CONTROLS ON AIR HANDLERS AND SUPPLY F SMOKE DETECTORS SHALL BE PROVIDED BY ELECTRICAL AND INSTALLED BY MECHANICAL. COOF PROVIDE A COMPLETE SYSTEM. PROVIDE BOTH SUPPLY AND RETURN SIDE DEVICES.

(14) PROVIDE SEVEN DAY PROGRAMMABLE THERMOSTAT, 24 HOUR SINGLE/MULTI STAGE COMM THERMOSTAT. DUAL SET POINTS, OCCUPIED AND UNOCCUPIED PERIODS, UNIT OPTIMIZATION, AUT HEATING/COOLING AND AUTO CHANGE OVER. SUB-BASE BACK-UP BATTERY AND TEMPORARY (24 VAC CONTROL VOLTAGE. PROVIDE PLASTIC SEE THRU PROTECTIVE COVER WITH KEY LOCK.

| | MECHANICAL STMBOL LEGEND | | | | | | |
|---|--|---|--|--|--|--|--|
| off of the re not in or to or of his 's expense. | 1 | TAG | | | | | |
| CTURE TO WITH AND CABLE TRAY E OF OTHER | CONICAL DUCT SPIN TAP FLEXIBLE DUCT ROUND SHEET-METAL DUCT BALANCING DAMPER | | | | | | |
| NNECTION | | DETAIL NUMBER | | | | | |
| M. TIE IN FASTENED | B2 MH107 | SHEET NUMBER | | | | | |
| | | PERFORATED INNER METAL LINER, WHERE INDICATED (DOUBLE WALL) | | | | | |
| AKING CTOR SHALL IRACTOR ID SEAL | | ——HIDDEN DUCT (FOR CLARITY) | | | | | |
| AMING OR HING WITH | | SUPPLY AIR GRILLE | | | | | |
| NG OR NEW COMPLETE THE TCHING | | SUPPLY AIR GRILLE-SLOT DIFFUSER | | | | | |
| STRIBUTION ALL BE | | RETURN AIR GRILLE ALL RETURN AIR DUCT DROPS TO INCLUDE A MANUAL DAMPER | | | | | |
| PLICABLE OF WARM AIR | | THERMOSTAT TEMPERATURE SENSOR TEMPERATURE OVERRIDE SENSOR/SWITCH | | | | | |
| 1e E DAMPERS, | FD FSD | FIRE DAMPER W/ ACCESSIBLE DUCT ACCESS DOOR FIRE/SMOKE DAMPER W/ ACCESSIBLE DUCT ACCESS DOO | | | | | |
| ER VOLUME PLETE _S. | | FLOW DIRECTION | | | | | |
| TS SHOWN HERMOSTAT | C+ | PIPE DROP | | | | | |
| URE AND | O+ | PIPE RISE | | | | | |
| ATION WORK ELF WITH THE ORTS. | | RETURN AIR DUCT RISE/DROP | | | | | |
| densing Tions. | | SUPPLY AIR DUCT RISE/DROP | | | | | |
| FANS. RDINATE TO | | WALL OR FLOOR SLEEVE | | | | | |
| IMERCIAL JTO | CHWSCHWS | CHILLED WATER SUPPLY/RETURN PIPING | | | | | |
| OVER-RIDE. | SQUARE ROUND | SQUARE TO ROUND DUCT TRANSITION | | | | | |

MECHANICAL ABBREVIATIONS

A/C

AD

AFF

AHU APPROX

ARCH

BDD

BHP

BTU

CFM

CH

CHP

CLG

CWP

CO

CT

CU

CL

DB

DIA

DN

DX

EAT

EDH

ELEC

ELEV

FC

FD

FLEX

FLG

FLR

FPM

FT

FS

GAL

GPM

HB

ΗP

HR

HR

HWP

ΗZ

ID

IN

INSUL

IN WG

KW

LAT

LB

HVAC

GALV

EF

DWG

CW

MAXIMUM

| AIR CONDITIONED | MAX | MAXIMUM |
|---------------------------------|------------|----------------------------------|
| | MBD | MANUAL BALANCING DAMPER |
| ABOVE FINISHED FLOOR | MD | MOTORIZED DAMPER |
| AIR HANDLING UNIT | MECH | MECHANICAL |
| APPROXIMATE | MIN | MINIMUM |
| ARCHITECTURAL | MS | MOTOR STARTER |
| | ΝΔ | |
| BACK DRAFT DAMPER | | |
| BRAKE HORSEPOWER | | |
| | NIC | NOTIN CONTRACT |
| CUBIC FEET PER MINUTE | NO | NORMALLY OPEN |
| CHILLER | NTS | NOT TO SCALE |
| CHILLED WATER PUMP | A 1 | |
| CEILING | 0A . | |
| Condenser water pump | OAH | outside air intake hood |
| CLEANOUT | OBD | OPPOSED BLADE DAMPER |
| COOLING TOWER | OC | ON CENTER |
| CONDENSING UNIT | | |
| | Р | PUMP |
| | PBD | PARALLEL BLADE DAMPER |
| | PP | PRIMARY CHILLED WATER PUMP |
| DRY BULB | PRESS | PRESSURE |
| DIAMETER | PRV | PRESSURE REDUCING VALVE |
| DOWN | PSIG | POUNDS PER SQUARE INCH (GAUGE) |
| DRAWING | 1010 | |
| DIRECT EXPANSION | 5 | |
| | R | RETURN (AIR DEVICE) |
| | RA | RETURN AIR |
| ELECTRIC DUCT HEATER | RE: 4M7.01 | REFER TO DETAIL 4, SHEET M7.01 |
| EXHAUST FAN | RET | RETURN |
| ELECTRICAL | RH | RELATIVE HUMIDITY |
| ELEVATION | RHD | RELIEF HOOD |
| | RPM | REVOLUTIONS PER MINUTE |
| | RTU | ROOF TOP UNIT |
| | | |
| FIRE DAMPER W/ DUCI ACCESS DOOR | \$ | |
| FLEXIBLE | 5 | |
| FLANGE | SA | |
| FLOOR | SCH | SCHEDULE |
| FEET PER MINUTE | SCHP | SECONDARY CHILLED WATER PUMP |
| FEET, FOOT | SD | SMOKE DAMPER |
| FLOW SWITCH | SEC | SECOND |
| | SF | SUPPLY FAN |
| GALLON | Smacna | Sheet metal and air conditioning |
| GALVANIZED | | CONTRACTORS NATIONAL ASSOCIATI |
| GALLONS PER MINUTE | SP | STATIC PRESSURE |
| | SPEC | Specification |
| | SF | square foot |
| | STD | STANDARD |
| HEAT PUMP (WATER SOURCE) | 010 | |
| | TEMP | TEMPERATURE |
| | T'STAT | THERMOSTAT |
| | TYP | TYPICAL |
| | | |
| HERIZ | UF | |
| INSIDE DIAMETER | UH | UNII HEATER |
| | UL | UNDERWRITERS LABORATORIES |
| | | |
| | | |
| INSULATION | VENI | VENILATE |
| INCHES OF WATER | VF | VENILATION FAN |
| KILOWATT(S) | VOL | VOLUME |
| | VOLT | VOLTAGE |
| LEAVING AIR TEMPERATURE | W | |
| | W// | WITH |
| | ¥¥/ | |
| LUUVER | VV D | |
| | W/O | WIIHOUI |
| | | |

MECHANICAL SYMBOL LECEND

| | A Q |
|---|---------------|
| | (XA) |
| | |
| - | Milnet |
| - | Architectural |
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PROJECT NUMBER 215009

DATE MAY. 15, 2017

ISSUED FOR CONSTRUCTION

R TO DETAIL 4, SHEET M7.01 IVE HUMIDITY HOOD LUTIONS PER MINUTE TOP UNIT Y (AIR DEVICE) Y AIR DULE NDARY CHILLED WATER PUMP E DAMPER y fan METAL AND AIR CONDITIONING RACTORS NATIONAL ASSOCIATION C PRESSURE IFICATION **ARE FOOT** DARD ERATURE MOSTAT AL r floor HEATER RWRITERS LABORATORIES CITY

| С | D | E | F | G | н | I | J |
|-----------|---------------|---------------|---------------|---------------|------------|------------|------------|
| TURN | RETURN | SUPPLY | RETURN | SUPPLY | EX. SUPPLY | EX. SUPPLY | EX. RETURN |
| | | | | | | | |
| 4''x24'' | 12"x12" | 12"x12" | 12"x12" | SEE PLANS | 24"x24" | 12"x12" | 24"x24" |
| PLANS | SEE PLANS | 10"x10" | 10"x10" | SEE PLANS | SEE PLANS | SEE PLANS | SEE PLANS |
| EILING | CEILING | CEILING | CEILING | WALL | CEILING | CEILING | CEILING |
| | | | | | | | |
| Sed blade | OPPOSED BLADE | OPPOSED BLADE | OPPOSED BLADE | OPPOSED BLADE | (EXISTING) | (existing) | (EXISTING) |
| IONE | NONE | man bars | man bars | NONE | (EXISTING) | (existing) | (EXISTING) |
| VHITE | WHITE | WHITE | WHITE | | WHITE | WHITE | WHITE |
| MINUM | ALUMINUM | 3/16 STEEL | 3/16 STEEL | ALUMINUM | (existing) | (existing) | (EXISTING) |
| | | | | | | | |
| RICE | PRICE | PRICE | PRICE | PRICE | (EXISTING) | (existing) | (EXISTING) |
| 80 | 80 | MSPG | MSPG | 620 | (EXISTING) | (existing) | (EXISTING) |
| | | 1 | 1 | 2 | 3 | 3 | 3 |

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OF

GENERAL ELECTRICAL NOTES (TO ALL SHEETS)

- A. CONTRACTOR TO VERIFY ALL EXISTING MAIN POWER SERVICES AND COORDINATE WITH POWER COMPANY FOR ALL NEW REQUIREMENTS AND ALL COST ASSOCIATED. CONTRACTOR SHALL INCLUDE ANY COST FOR THE NEW TRANSFORMER AND OTHER ASSOCIATED FEES IN BID. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL FEES WITH POWER COMPANY AND TO INCLUDE IN BID. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH POWER COMPANY AS SOON THE CONTRACT IS AWARDED TO ORDER TRANSFORMER AND THE RELATED ELECTRICAL SERVICE EQUIPMENT AS SOON AS POSSIBLE.
- B. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, TRENCHING AND BACKFILLING. COORDINATE WITH ALL UTILITIES PRIOR TO EXCAVATION.
- C. CONTRACTOR TO VERIFY ALL EXISTING MAIN TELEPHONE SERVICES AND COORDINATE WITH TELEPHONE COMPANY FOR ALL REQUIREMENTS AND ALL COST ASSOCIATED. INCLUDE ALL COST IN BID. CONDUIT FROM MAIN TELEPHONE RISER SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- D. ALL ELECTRICAL EQUIPMENT OUTDOORS SHALL BE RATED TYPE NEMA 3R UNLESS OTHERWISE NOTED.E. CONTRACTOR SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND
- ORDINANCES. ALL WORK SHALL CONFORM TO NATIONAL ELECTRICAL CODES AND ALL OTHER AUTHORITY HAVING JURISDICTION. OBTAIN PERMITS AND PAY ALL FEES. PERFORM MODIFICATIONS TO MEET CODE AND ORDINANCE REQUIREMENTS AT NO ADDITIONAL COST TO OWNER, ARCHITECT OR ENGINEER. VERIFY PRIOR TO BID DATE.
- F. VERIFY AT JOB SITE THE EXACT LOCATIONS OF STRUCTURAL MEMBERS SUCH AS BEAMS, COLUMNS, ETC. TO LOCATE EQUIPMENT CONDUIT, PANELS AND DEVICES. IF DEVIATIONS FROM THE DRAWING ARE NECESSARY TO MEET STRUCTURAL CONDITIONS MAKE DEVIATIONS WITHOUT ADDITIONAL COST, TO OWNER, ARCHITECT, OR ENGINEER.
- G. IN COOPERATION WITH OTHER CONTRACTORS, DETERMINE THE EXACT LOCATION OF EQUIPMENT AND DEVICES AND CONNECTIONS THERETO BY REFERENCE TO THE SUBMITTALS AND ROUGH-IN DRAWINGS, AND BY MEASUREMENTS AT THE SITE. REFER TO ALL OTHER TRADES SUBMITTAL FOR ELECTRICAL INFORMATION.
- H. GROUND ENTIRE ELECTRICAL SYSTEM IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- I. VERIFY AT JOB SITE GENERAL WORK TO BE DONE AS SPECIFIED, AS NOTED, OR AS REQUIRED FOR INSTALLATION ELECTRICAL SYSTEMS PRIOR TO SUBMISSION OF BIDS.
- J. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND EQUIPMENT TO BE REMOVED AND REPLACED BEFORE SUBMITTING HIS BID.
- K. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SMALL SCALE ONLY. THEY CONVEY THE INTENT OF THE WORK BUT DO NOT SHOW DETAIL SUCH AS JUNCTION AND PULL BOXES REQUIRED BY THE SPECIFICATIONS AND THE NATIONAL ELECTRICAL CODE(NEC). PROVIDE ALL MATERIALS AND METHODS CALLED FOR IN THE SPECIFICATIONS AND AS REQUIRED IN THE NEC TO PROVIDE A COMPLETE INSTALLATION OF ALL WORK.
- L. ALL WIRING SHALL BE COPPER.
- M. ALL SLEEVES, PENETRATIONS, ETC. SHALL BE SEALED SOLID NON-SHRINKING MATERIAL IMMEDIATELY UPON FILLING OF THE OPENING WITH PIPE OR CONDUIT.
- N. ARRANGE FOR SOURCES OF TEMPORARY CONSTRUCTION SERVICES. SUCH SERVICES SHALL BE NOMINALLY 120/240V, 1-PHASE, 3-WIRE FROM WHICH A COMPLETE SYSTEM OF TEMPORARY POWER AND LIGHTING SHALL BE PROVIDED FOR ALL CONSTRUCTION NEEDS.

KEYED NOTES: ELECTRICAL

1 EXISTING AEP PAD MOUNTED TRANSFORMER TO BE REPLACE AND RELOCATED TO NEW LOCATION AS INDICATED ON DRAWINGS.

- $\left< \frac{2}{2} \right>$ NEW POWER COMPANY POWER POLE WITH RISER DIP POLE. COORDINATE
- EXACT LOCATION WITH POWER COMPANY PRIOR TO BID DATE. $\overline{(3)}$ NEW POWER COMPANY PULL-STATION. COORDINATE WITH POWER COMPANY
- PRIOR TO COMMENCING ANY WORK.
- PROPOSED NEW UTILITY COMPANY PULLBOX STATION TO NEW PAD MOUNT TRANSFORMER. ALL UNDERGROUND WORK SHALL BE ACCORDING TO POWER COMPANY STANDARDS. VERIFY ALL REQUIREMENTS WITH THE POWER COMPANY BEFORE ANY ROUGH-IN. COORDINATE LOCATION, COST, AND INSTALLATION WITH POWER COMPANY PRIOR TO BID.
- 5 CONTRACTOR TO PROVIDE AND INSTALL (1)-4" PVC CONDUIT FROM PROPOSED NEW UTILITY COMPANY POWER POLE WITH RISER DIP POLE TO NEW UTILITY COMPANY PULLBOX STATION. ALL UNDERGROUND WORK SHALL BE ACCORDING TO POWER COMPANY STANDARDS. VERIFY ALL REQUIREMENTS WITH THE POWER COMPANY BEFORE ANY ROUGH-IN. COORDINATE LOCATION, COST, AND INSTALLATION WITH POWER COMPANY PRIOR TO BID.

6 PROVIDE SAWCUT AND PATCHING TO EXISTING SURFACE FOR NEW CONDUIT.

 $\langle 7 \rangle$ NEW PAD MOUNT AEP TRANSFORMER AT NEW LOCATION.

 $\left< \frac{8}{8} \right>$ EXISTING ELECTRICAL METER TO BE REMOVED.

(9) EXISTING 600 AMP ELECTRICAL SERVICE DISCONNECT TO BE REMOVED.

 $\sqrt{10}$ CONTRACTOR TO PROVIDE AND INSTALL PVC CONDUIT FROM NEW UTILITY

TRANSFORMER TO NEW ELECTRICAL SERVICE EQUIPMENT PER POWER COMPANY STANDARDS. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN. REFER TO ELECTRICAL RISER DIAGRAM.

 $\langle 11 \rangle$ EXISTING COMMUNICATION BOX AND LINE TO BE RELOCATED.

 $\langle 12 \rangle$ EXISTING COMMUNICATION BOX AT NEW LOCATION.

 $\sqrt{13}$ NEW IN-GRADE PULLBOX.

 $\langle 14 \rangle$ NEW 1-2"C WITH STRING FOR COMMUNICATION CABLE.

 $\langle 15 \rangle$ BORE UNDER EXISTING PARKING LOT FOR NEW CONDUIT.

(16) NEW DIESEL GENERATOR. REFER TO SPECIFICATIONS.

(17) NEW ELECTRICAL SERVICE METER, REFER TO ELECTRICAL RISER SCHEMATIC DIAGRAM.

 $\langle 18 \rangle$ NEW ELECTRICAL SERVICE DISCONNECT, REFER TO ELECTRICAL RISER SCHEMATIC DIAGRAM.

 $\langle 19 \rangle$ NEW AUTOMATIC TRANSFER SWITCH, REFER TO ELECTRICAL RISER SCHEMATIC DIAGRAM.

 $\left< \frac{1}{20} \right>$ 3" PIPE GALVANIZED STAND.

 $\langle 21 \rangle$ PANEL-MDP LOCATION.

22 NEW CONDUIT FROM ATS TO PANEL-MDP.

 $\langle 23 \rangle$ EXISTING TREES TO BE REMOVED. COORDINATE WITH ARCHITECT/OWNER PRIOR TO ANY WORK.

REPLACE EXISTING LIGHT FIXTURE AT EXISTING LOCATION, EXISTING ELECTRICAL CIRCUIT TO BE RE-USED. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IF EXTENSION

REQUIRED FROM FIXTURE TO FIXTURE MATCH EXISTING NUMBER OF WIRES AND GAUGE AND PRIOR TO COMMENCING ANY WORK.

25 VIA LIGHTING CONTACTOR "L1".

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PROJECT NUMBER 215009

DATE May. 15, 2017

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1 ELECTRICAL DEMOLITION FLOOR PLAN 1/8" = 1'-0"

GENERAL DEMOLITION NOTES: (TO ALL SHEETS)

- A. THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED TO PROPERLY BID THE DEMOLITION WORK.
- B. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL EQUIPMENT AND ASSOCIATED CONDUCTORS, CONDUIT, BOXES, ETC. TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT. C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN ADDITION TO THE DIVISION 15 AND 16 DOCUMENTS TO DETERMINE THE
- COMPLETE SCOPE OF WORK. D. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO THEIR
- source. E. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE RELOCATED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO A CONCEALED JUNCTION BOX AND NEW PRODUCTS SHALL BE USED TO EXTEND THE SERVICE TO THE NEW LOCATION.
- F. WHERE CONDUITS RUN ABOVE INACCESSIBLE CEILINGS OR IN WALLS WHICH ARE NOT PART OF DEMOLITION ARE TO REMAIN UNDISTURBED, CONDUCTORS SHALL BE REMOVED AND THE CONDUITS CAPPED AND ABANDONED.
- G. WHERE THE REMOVAL OF DEVICES OR EQUIPMENT RENDERS EQUIPMENT DOWNSTREAM INOPERABLE, SERVICE SHALL BE EXTENDED TO THE DOWNSTREAM DEVICE OR EQUIPMENT SO THAT THE DEVICE OR EQUIPMENT IS LEFT IN OPERATING CONDITION.
- H. COORDINATE DEMOLITION OF DIVISION 16 SYSTEMS AS REQUIRED WITH ALL OTHER trades.
- I. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND WIRING REMOVED DURING CONSTRUCTION NO LONGER REQUIRED AS PART OF AN ACTIVE SYSTEM AND NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.
- J. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING THE REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- K. EXISTING DEVICES AND/OR EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE DISCRETION OF THE ARCHITECT WHERE APPLICABLE.
- L. ALL DEVICES WITH AN "EX" SYMBOL ARE EXISTING TO REMAIN.
- M. ALL DEVICES ATTACHED TO WALLS OR CEILINGS SHALL BE REMOVED PER DEMOLITION NOTE A - L WHETHER SHOWN ON DRAWINGS OR NOT.

KEYED NOTES: DEMOLITION

- $\left< \frac{1}{1} \right>$ EXISTING PANELBOARD "A" TO REMAIN.
- $\left< \frac{2}{2} \right>$ EXISTING PANELBOARD "B" TO REMAIN.
- 3 EXISTING PANELBOARD "C" TO REMAIN.
- 4 EXISTING PANELBOARD "D" TO REMAIN.
- $\langle 5 \rangle$ EXISTING CAMERAS TO BE REMOVED AND RETURNED TO OWNER.
- $\langle 6 \rangle$ EXISTING ELECTRONIC DRIVE THRU SIGN TO BE REMOVED.
- $\langle 7 \rangle$ EXISTING FIRE ALARM CONTROL PANEL TO BE REPLACED WITH NEW SYSTEM.
- 8 existing mechanical equipment and respective electrical equipment to remain.
- 9 EXISTING LIGHT FIXTURE TO BE REMOVED.
- (10) EXISTING ELECTRICAL SERVICE METER TO BE REMOVED. VERIFY THE NEW ELECTRICAL SERVICE
- IS IN PLACE AND CONNECTED TO MINIMIZE DOWN TIME. $\langle 11 \rangle$ EXISTING ELECTRICAL SERVICE DISCONNECT TO BE REMOVED. VERIFY THE NEW
- ELECTRICAL SERVICE
- IS IN PLACE AND CONNECTED TO MINIMIZE DOWN TIME. $\langle 12 \rangle$ EXISTING POWER COMPANY PAD MOUNT TRANSFORMER TO BE RELOCATED TO NEW
- LOCATION. REFER TO SHEET ES1.1.
- $\overline{(13)}$ EXISTING LIGHT FIXTURES AND CEILING FANS TO REMAIN.
- $\langle 14 \rangle$ NOT USED
- (15) EXISTING ELECTRIC HAND DRYER TO BE REMOVED. REFER TO ELECTRICAL REMODEL PLANS FOR NEW ELECTRIC HAND DRYER.
- $\langle 16 \rangle$ EXISTING WATER HEATER TO REMAIN.

| DEM | OLITION LEGEND |
|--------------------------|---|
| SYMBOL: | DESCRIPTION: |
| $\delta^{R} \square^{R}$ | EXISTING LIGHT FIXTURE TO REMAIN, REPLACE LAMPS AND REPLACE LENS WHERE APPLICABLE. FIELD VERIFY EXISTING CONDITIONS AND REFER TO ARCHITECTURAL DOCUMENTS AND ELECTRICAL REMODEL PLANS. |
| === [] √ | LIGHT FIXTURES, LIGHTING DEVICES AND CONDUITS SHALL BE REMOVED. |
| F ^R AV | EXISTING WIRING DEVICES TO BE REPLACED AT EXISTING LOCATION. FIELD VERIFY EXISTING CONDITIONS AND REFER TO ARCHITECTURAL DOCUMENTS. |

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OF

- **GENERAL NOTES: LIGHTING** F. ALL EXIT FIXTURES TYPE-"X1 & X2", EMERGENCY LIGHT FIXTURE TYPE-"E" AND ALL EMERGENCY BALLAST SHALL BE ON CIRCUIT "LR1-10 AND LR2-8". FIXTURE TYPE LABEL WITH AN "_E" ARE LIGHT FIXTURES WITH EMERGENCY BALLAST. REFER TO
- B. VERIFY CEILING TYPES AND COORDINATE WITH FIXTURE TYPE LIGHT FIXTURE SHALL BE COMPATIBLE WITH CEILING TYPE AS INDICATED ON THE ARCHITECTURAL DOCUMENTS. NOTIFY ENGINEER IF DISCREPANCIES EXIST PRIOR TO ORDERING
- C. COORDINATE EXACT ROUTING OF ALL CONDUIT ABOVE CEILING IN BUILDING.
- D. COORDINATE LOCATION OF LIGHTS WITH DIFFUSERS AND GRILLES.
- E. SWITCH LEGS ARE NOT SHOWN WHERE SWITCHING SCHEME IS OBVIOUS.

KEYED NOTES: LIGHTING

- EXISTING LIGHT FIXTURE, REPLACE LENS AND LAMP. FIELD VERIFY EXISTING MANUFACTURER TO PROVIDE PROPER LENS AND LAMP.
- 2 EXISTING LIGHT FIXTURE, REPLACE LAMP WITH LED TYPE. LED LAMP SHALL BE 4000K, 1500LUMEN. FIELD VERIFY EXISTING MANUFACTURER TO PROVIDE PROPER LENS AND

- 5 EXISTING LIGHT FIXTURE TO BE REPLACE WITH A RETRO LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE. VERIFY EXISTING LIGHT FIXTURE SIZE PRIOR TO ORDER. PROVIDE NEW LIGHTING CIRCUIT AS SHOWN. REMOVE EXISTING CIRCUIT, VERIFY CIRCUIT CONTINUES ACTIVE FOR OTHER EXISTING LIGHT FIXTURES. VERIFY EXISTING CIRCUIT CONDITIONS PRIOR TO REMOVAL.
- 6 NEW LIGHT FIXTURE IN EXISTING WOOD CEILING. PROVIDE OPENING AND VERIFY EXACT LOCATION PRIOR TO ORDERING AND INSTALLATION.

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GENERAL NOTES: POWER

| T | AG | VOLTAGE, Ø | BRANCH CIRCUIT |
|-----|-------|------------|------------------|
| | APS1 | 120V, 1Ø | (S.C.) LR1-54 |
| | APS2 | 120V, 1Ø | (S.C.) LR1-54 |
| | APS3 | 120V, 1Ø | (S.C.) LR1-56 |
| C | APS4 | 120V, 1Ø | (S.C.) LR1-56 |
| | APS5 | 120V, 1Ø | (S.C.) LR1-58 |
| | APS6 | 120V, 1Ø | (S.C.) LR1-58 |
| | APS7 | 120V, 1Ø | (S.C.) LR1-59 |
| | APS8 | 120V, 1Ø | (S.C.) LR1-59 |
| | APS9 | 120V, 1Ø | (S.C.) LR1-60 |
| L L | APS10 | 120V, 1Ø | (S.C.) LR1-60 |
| L L | APS11 | 120V, 1Ø | (S.C.) LR2-33 |
| | APS12 | 120V, 1Ø | (S.C.) LR2-33 |
| D | APS13 | 120V, 1Ø | (S.C.) LR2-34 |
| [| APS14 | 120V, 1Ø | (S.C.) LR2-34 |
| D | APS15 | 120V, 1Ø | (S.C.) LR2-35 |
| | APS16 | 120V, 1Ø | (S.C.) LR2-35 |
| L L | APS16 | 120V, 1Ø | LR2-36 |

ACCESS POWER SUPPLY SCHEDULE

NOTE: ALL POWER SHALL BE INTERFACED WITH FIRE ALARM SYSTEM. POWER SUPPLIES BY OTHERS, REFER TO ARCHITECTURAL DOCUMENTS.

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GENERAL NOTES: SPECIAL SYSTEMS

- A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE
- WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK. B. PROVIDE CLEAR VANDAL COVER WITH STOPPER II OPTION FOR ALL FIRE ALARM PULL
- C. EQUIPMENT AS FURNISHED OF A SINGLE MANUFACTURER.
- D. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE MECHANICAL DRAWINGS.
- E. ALL CONDUITS SHALL REAMED AND COMPLETED WITH CONNECTORS AND INSULATED BUSHINGS AT BOTH ENDS.
- F. ALL FIRE ALARM DEVICES SHOWN ON DRAWINGS ARE SYMBOLIC ONLY FOR CONDUIT AND BOXES PURPOSE. CONDUIT SIZE SHALL BE MINIMUM OF 3/4"C AND BOXES SIZES SHALL BE VERIFY WITH THE FIRE ALARM CONTRACTOR PRIOR TO BID DATE. THE ENTIRE FIRE ALARM SYSTEM SHALL BE DESIGN BY THE FIRE ALARM CONTRACTOR'S FIRE ALARM SUPERINTENDENT (APS). THE FIRE ALARM DESIGN SHALL BE IN FULL COMPLIANCE AND MEET ALL CODES, ADA AND REQUIREMENTS OF THE LOCAL JURISDICTION AUTHORITY. ADD OR DELETE TO COMPLY WITH ALL CODES. ALL PLANS SHALL BE SUBMITTED TO LOCAL AUTHORITY FOR APPROVAL. ANY MODIFICATIONS REQUIRED TO PROVIDE A FULL COMPLIANCE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT/ENGINEER.
- G. REFER TO SHEET E2.1 FOR DOOR ACCESS POWER SUPPLIES. ALL POWER SUPPLIES SHALL BE INTERLOCK WITH FIRE ALARM SYSTEM.

KEYED NOTES: SPECIAL SYSTEMS

 $\underbrace{1}_{\text{FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.} }$

- $\langle 2 \rangle$ provide detention rated wire guard for smoke detector.
- $\langle 3 \rangle$ provide 1" conduit for each data box, stub up in wall.
- A SAW CUT AND PATCH EXISTING CONCRETE TO MATCH EXISTING CONDITIONS. FIELD VERIFY EXISTING CONDITIONS AND EXACT LOCATION PRIOR TO COMMENCING
- ANY WORK.
- $\left< \frac{5}{5} \right>$ IDF DATA EQUIPMENT LOCATION, REFER TO SPECIFICATIONS.
- $\langle 6 \rangle$ proposed surveillance servers. Coordinate exact location with owner.
- $\langle 7 \rangle$ DATA BOX CONCEALED IN THE EXISTING WALL.
- $\langle 8 \rangle$ Fire alarm device box and conduit shall be concealed in the existing wall.

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| | <u>SURVE</u> | SURVEILLANCE CAMERA LEGEND | | | | | |
|--------------|--------------------|---|--|--|--|--|--|
| | SYMBOL DESCRIPTION | | COMMENTS | | | | |
| | a | MFR. ARECONT, 5MP BULLET CAMERA, #AV5225PMIR WITH #AV-EBA ELECTRICAL BOX ADAPTER PLATE. | PROVIDE J-BOX(N3R) W/3/4"CONDUIT STUB OUT. PROVIDE 1-CAT-6 DATA CABLE. ROUTE CABLE TO NEAREST IDF/MDF ROOM-214. COORDINATE WITH OWNER PRIOR TO TERMINATION ON OWNER EQUIPMENT. | | | | |
| | b | MFR. ARECONT, 3MP WDR MICRODOME G2 FLUSH CAMERA, #AV3556DN-F WITH #MCD-CMT PENDANT MOUNT ACCESSORY. | PROVIDE J-BOX(N3R) W/3/4"CONDUIT STUB OUT. PROVIDE 1-CAT-6 DATA CABLE. ROUTE CABLE TO NEAREST IDF/MDF ROOM-214. COORDINATE WITH OWNER PRIOR TO TERMINATION ON OWNER EQUIPMENT. | | | | |
| | Ц С | MFR. ARECONT, 2MP WDR MICRODOME G2 FLUSH CAMERA, #AV2556DN-F WITH #MCD-WMT WALL MOUNT ACCESSORY. | PROVIDE J-BOX(N3R) W/3/4"CONDUIT STUB OUT. PROVIDE 1-CAT-6 DATA CABLE. ROUTE CABLE TO NEAREST IDF/MDF ROOM-214. COORDINATE WITH OWNER PRIOR TO TERMINATION ON OWNER EQUIPMENT. | | | | |
| ITH /NER. | d | MFR. ARECONT, 1.2MP MICRODOME G2 FLUSH CAMERA, #AV1555DN-F WITH #MCD-4S ELECTRICAL BOX SURFACE MOUNT COVER. | PROVIDE J-BOX(N3R) W/3/4"CONDUIT STUB OUT. PROVIDE 1-CAT-6 DATA CABLE. ROUTE CABLE TO NEAREST IDF/MDF ROOM-214. COORDINATE WITH OWNER PRIOR TO TERMINATION ON OWNER EQUIPMENT. | | | | |

NOTE: 1. G2 MD CAMS COME WITH A FIXED LENS. SEE LITERATURE FOR OTHER OPTIONS.

2. DATA CABLE SHALL BE SYSTIMAX UNIPRISE CATEGORY 6 PLENUM AND UNDERGROUND RATED. INCLUDE THE PROPER JACKS FOR CONNECTION AT BOTH ENDS.

| ACCESS POWER SUPPLY SCHEDULE | | | | |
|------------------------------|------------------------------------|------|----------|--|
| TAG | DESCRIPTION | MFR. | MODEL | |
| CR | PROXIMITY CARD READER | DSX | CR22L-11 | |
| APSX | POWER SUPPLY | DSX | 1040PDP | |
| ADC | ACCESS DOOR INTELLIGENT CONTROLLER | DSX | 1048 | |

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ELECTRICAL LEGE

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL I

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| SYMBOLS ARE SH | OWN SCHEMATIC AND MAY NOT BE TO SCALE. |
|-----------------------------|---|
| <u>SYMBOL</u> | DESCRIPTION |
| | 2'x4' LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE |
| | 2'X4' LIGHT FIXTURE W/EMERGENCY BATTERY PACK, REFER TO LUMINAIRE SCHED |
| | 2'x2' LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE |
| | 2'X2' LIGHT FIXTURE W/EMERGENCY BATTERY PACK, REFER TO LUMINAIRE SCHED |
| | 1'X4' LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE |
| | TRACK LIGHT WITH HEADS AS INDICATED |
| Ð | INCANDESCENT, LED, FLUORESCENT, OR HID WALL WASHER LIGHT FIXTURE CEILING MTD, REFER TO LUMINAIRE SCHEDULE |
| ОЮ | INCANDESCENT, LED, FLUORESCENT, OR HID FIXTURE CLG. OR WALL MTD, REFER TO LUMINAIRE SCHEDULE |
| \oslash H \oslash | LED, FLUORESCENT, OR HID FIXTURE WITH EMERGENCY BATTERY PACK. CLG. OR WALL MTD, REFER TO LUMINAIRE SCHEDULE |
| ⊗+⊕ ⊮ | EXIT LIGHT, CEILING OR WALL MOUNTED - SHADING INDICATING SINGLE OR DOUBLE FACE; DIRECTIONAL ARROWS AS INDICATED REFER TO LUMINAIRE SCHEDULE |
| | EXIT LIGHT SAME AS ABOVE, EXCEPT WITH AN EMERGENCY UNIT AS A COMBO, REFER TO LUMINAIRE SCHEDULE |
| × | CEILING FAN |
| | STRIP UTILITY LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE |
| ⊬∕∕Ø⁄-∕-I | STRIP UTILITY STRIP LIGHT WITH EMERGENCY BATTERY PACK, REFER TO LUMINAIRE SCHEDULE |
| \$ | WALL SWITCH SPST, 20A,120/277V |
| \$2 | DOUBLE POLE TOGGLE SWITCH, 20A/120/277V |
| \$3 | 3-WAY WALL SWITCH, 20A,120/277V |
| \$4 | 4-WAY WALL SWITCH, 20A,120/277V |
| \$ D | WALL DIMMER SWITCH |
| \$P | WALL SWITCH SPST, 20A, 120/277V - PILOT LIGHT SWITCH |

| | | GENERAL ELECTRICA | l notes | | | | |
|--|--|--|---|---|--------------------|---|--|
| LECTRICAL LEGEND-FIRE ALARM | ABBV: <u>DESCRIPTION</u> ABBV: <u>DESCRIPTION</u> | ALL SYMBOLS AND ABBREVIATIONS SHOWN ON THIS LEGEND MAY NOT APPEAR ON THIS SET OF DRAWINGS. | | | | | |
| ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE. | AFF ABOVE FINISHED FLOOR MFR. MANUFACTURER | 2. USE DIRECTIONAL ARROW | ON EXIT SIGNS AS | REQUIRED. | | | |
| SYMBOL DESCRIPTION | BFC BELOW FINISHED CEILING (S.C.) SHARE CIRCUIT C CONDUIT QRCPT(S) QUAD RECEPTACLE(S) | 3. IEEE STANDARD C37.2-1991 NUMBERS | I, ELECTRICAL PO | WER SYSTEM DEVICE FUNCTI | NC | | |
| FILE FIRE ALARM PULL STATION: STUB 3/4"C ABOVE CEILING FROM I-BOX | CB CIRCUIT BREAKER CRCPT(S) L.G. RECEPTACLE(S) | 4. CONTRACTOR SHALL NOT I | | AN THREE CURRENT CARRYIN | | | |
| AV FIRE ALARM AUDIBLE/VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM | ECEMPTY CONDUITQCRCPT(S)QUAD I.G. RECEPTACLE(S)EXEXISTINGPNLPANEL | GROUPING MULTIPLE CIRC | MON RACEWAY. CUITS IN A SINGLE I G CALCULATIONS | F CONTRACTOR IS PLANNIN RACEWAY, THE CONTRCATC | G ON DR | | |
| J-BOX FIRE ALARM VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM J-BOX | F FUSE SO (S.O.) SPACE ONLY | INSTALLATION IN ACCORD. APPROVAL PRIOR TO INSTA | ALLATION. NON A | ARTICLE 310.15 (B) (2) FOR PPROVED INSTALLATIONS W | ILL | | |
| V FIRE ALARM CEILING MOUNT VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM J-BOX FROM J-BOX | G GROUND (EQUIPMENT) SP SPARE GFI GROUND FAULT INTERRUPTER ST (S.T.) SHUNT TRIP | BE REMOVED AND REINSTA THE NEC AT NO ADDITIONA | ALLED BY THE CON AL COST TO THE C | TRACTOR IN ACCORDANC | E WITH | | |
| (AV) FIRE ALARM CEILING MOUNT AUDIBLE/VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM J-BOX | MTD MOUNT OR MOUNTED SW SWITCH | 5. THERE SHALL NOT BE MORE (270 DEGREES TOTAL) BETW | E THAN THE EQUIV VEEN PULL POINTS | ALENT OF THREE 90° BENDS WHERE THERE ARE MORE | | | |
| V S FIRE ALARM CEILING MOUNT SPEAKER STROBE, UL LISTED, : J-BOX WITH 3/4"C VS FIRE ALARM CEILING MOUNT SPEAKER STROBE, UL LISTED, : J-BOX WITH 3/4"C | NF NONFUSED UF UNDERFLOOR NIC NOT IN CONTRACT | THAN THREE QUARTER BENE AS SPECIFIED AND SIZED IN | DS, CONTRACTOR | R SHALL PROVIDE PULL BOXE WITH NEC. | S | | |
| J-BOX WITH 3/4"C I DEFE ALARM SMACKE DETECTOR CEILING, OR WALL MOUNTED: STUB 3/4"C | H.D HEAVY DUTY UG UNDERGROUND NL NIGHT LIGHT UNO(U.N.O.) UNLESS NOTED OTHERWISE | 6. COMPLY WITH NEC REQUIR ELECTRICAL EQUIPMENT AN | REMENTS FOR ELE | CTRICAL INSTALLATIONS. AL BE APPROVED, LISTED, LABEL | L ED. | | |
| ABOVE CEILING FROM J-BOX HEAT DETECTOR CEILING OR WALL MOUNTED: STUB 3/4"C ABOVE CEILING | AC ABOVE COUNTER WG WIRE GUARD HT. HEIGHT | IDENTIFIED AND INSTALLED LABORATORY. | PER RECOGNIZED | ELECTRICAL TESTING | , | | |
| FROM J-BOX | MTD. MOUNTING WP WEATHERPROOF FDR FFFDFR XFMR TRANSFORMER | 7. ALL RECEPTACLES, SWITCH EMERGENCY BRANCH CIR | IES AND JUNCTIO RCUITS SHALL BE | N BOXES SERVED BY RED'' IN COLOR. COVERPLA | TES | | |
| SMOKE DETECTOR WITH AN AUDIBLE/VISUAL BASE: STUB 3/4"C ABOVE CEILING FROM J-BOX | CKT. CIRCUIT MB MAIN BREAKER | SHALL BE LABELED IN ACCO PANELBOARD AND CIRCUI | ordance with s It no. (ie: et*la-3 | PECIFICATIONS TO INDICATE | | | |
| FACP FIRE ALARM CONTROL PANEL, ADDRESSABLE, SURFACE MTD UNO, INCLUDE A FIRE DOCUMENT BOX EQUAL TO MFR. SPACE AGE ELECTRONICS | LTG.LIGHTINGMLOMAIN LUGS ONLYLCLIGHTING CONTACTORRMCRIGID METAL CONDUIT | | | | | | |
| #FDB-ACE-11. | IGISOLATED GROUNDRNCRIGID NONMETALLIC CONDUITEA.EACHEMTELECTRICAL METALLIC | | | LUMINAIRE S | CHEDUL | E - ALTERNATE FLUO | RESCENT |
| ADDRESSABLE, FLUSH MTD UNO, INCLUDE A FIRE DOCUMENT BOX EQUAL TO MFR. SPACE AGE ELECTRONICS #FDB-ACE-11. | N1 NEMA-1 TUBING CONDUIT N3R NEMA-3R S/N | M | ARK VOLT | AGE LAMP | MOUNTING | ; DESCRIPTION | МС |
| FAAP FIRE ALARM REMOTE ANNUNCIATOR PANEL, FLUSH MOUNTED UNO | N4X NEMA-4X SS STAINLESS STEEL AC ABOVE COUNTER AHJ AHUTHORITY HAVING | | A 120 | V 3-F32T8SP35 | RECESSED | 2X4 LAY-IN FLUORESCENT TROFFER | LITHONIA |
| POWER SUPPLY, DEDICATED 110V DH DOOR HOLDER DEVICE: STUB 3/4"C ABOVE CEILING FROM J-BOX | JURISDICTION | | 120 | · | LAY-IN | W/ ACRYLIC LENS & ELECTRONIC BALLAST | 2GT8 3 32 A12 MV |
| TS TAMPER SWITCH: STUB 3/4"C ABOVE CEILING FROM J-BOX | 1.) 48" AFF INDICATES TO TOP OF DEVICE; 15" AFF INDICATES TO BOTTOM OF DEVICE: | | A1 120 | V 2-FU31T8SP35 | RECESSED | 2X2 LAY-IN FLUORESCENT TROFFER W/ ACRYLIC LENS & ELECTRONIC | |
| FSFLOW SWITCH: STUB 3/4"C ABOVE CEILING FROM J-BOXFIRE ALARM OUTDOOR SPEAKER, WEATHER PROOF: STUB 3/4"C ABOVE | ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE. AC INDICATES 6" ABOVE COUNTER TO BOTTOM OF DEVICE. | | | | LAY-IN | BALLAST | 2G10 2 0310 ATZ M |
| CEILING FROM J-BOX | | | B 120 | V 3-F32T8SP35 | recessed Lay-in | 2X4 LAY-IN FLUORESCENT TROFFER W/ ACRYLIC LENS & ELECTRONIC | LITHONIA 2GT8 3 32 A12 MV |
| ELECTRICAL LEGEND-GENERAL | ELECTRICAL LEGEND - | | | | | BALLASI | |
| ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE. | WIRING DEVICES | | BE SAN | AE AS TYPE 'B' EXCEPT WITH 1 | 400 LUMEN EMER | GENCY BATTERY PACK | |
| SYMBOL DESCRIPTION | ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE. | | B1 120 | ∨ 3-F32T8SP35 | RECESSED | 2X4 LAY-IN FLUORESCENT TROFFER W/ ACRYLIC LENS & ELECTRONIC | LITHONIA 2GT8 F 3 32 A12 M |
| | DUPLEX RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R | | | | | 2X2 LAY-IN FLUORESCENT_TROFFER | |
| | ↓ ⊕/ ⊕ HOSPITAL GRADE DUPLEX RECEPTACLE/GFI - 20A/125V/2P/3W/G | | B2 120 | ✓ 2-FU31T8SP35 | RECESSED LAY-IN | W/ ACRYLIC LENS & ELECTRONIC BALLAST | 2GT8 2 U316 A12 M |
| | DUPLEX RCPT. GFI - 20A/125V/2P/3W/G NEMA 5-20R | | C 120 | LED-6700L | SURFACE | 4' INSTITUTIONAL HIGH ABUSE | KENALL |
| HEAVY DUTY MOTOR STARTER | | | | 4000K | | LINEAR WRAPAROUND LED FIXTURE | ES12-48-67L40K-DC |
| ENCLOSED BREAKER, RE: TO SCH. FOR MORE INFO. | IN-USE "IN-USE" WEATHER PROOF STEEL ENCLOSURE- 20A/125V/2P/3W/G NEMA 5-20R WP/"IN-USE" SHALL BE EQUAL TO MFR. CARLON, METALLIC SERIES SINGLE GANG, VERTICAL MOUNT #ME9UVMG | | CE SAN | NE AS TYPE 'C' EXCEPT WITH | 1400 LUMEN EMER | GENCY BATTERY PACK | |
| ℝ ROTARY TYPE DISCONNECT SWITCH | DOUBLE GANG, VERTICAL MOUNT #ME9U2VMG | | | | | | |
| M 120V,20AMP, MOTOR RATED SWITCH, NEMA-1 ENCLOSURE | | | D 120 | V 1-F32T8 | SURFACE | 4' FLUORESCENT FIXTURE, DRIVER, UL LISTED, WITH MEDIUM DIFFUSE LENS | LITHONIA Z 1 32 MVOLT GEB |
| PANELBOARD, CLEARANCE AS PER LATEST NEC | ISOLATED GROUND QUADPLEX RECEPTACLE | | | | | THERMOPLASTIC EMERGENCY | |
| SWITCH LEG | | | ⊑ 120 | VINCLUDED | SURFACE | LIGHTING UNIT W/ SELF-DIAGNOSTICS | ELM2-SD |
| ELECTRICAL CONDUIT | | | F 120 | V 2-13DTT | RECESSED | 6"FLUORESCENT OPEN DOWN- | GOTHAM |
| UNDERGROUND ELECTRICAL CONDUIT | | | | SP35 | | BALLAST | AF 2/13DTT 8AR MY |
| X, X, X MULTI-POLE DEVICE CIRCUIT NUMBERS | J HJ JUNCTION BOX - SIZE & MOUNTING AS REQUIRED MINIMUM OF 4" SQUARE | | G 120 | v 6-54₩T5HO | SURFACE | HIGH BAY 4' FLUORESCENT FIXTURE WITH HIGH EFFICIENCY DRIVER, UL | LITHONIA IBZ 654L GEB10PS9 |
| X/X/X THREE SINGLE POLE DEVICE CIRCUIT NUMBERS | (HD) J-BOX - AIR HAND DRYER: (RECESSED HAND DRYERS TO BE PROVIDED BY DIVISION 16, ELECTRICAL)#B-750 AUTOMATIC HANDCRAFT AS MANULEACTURED BY BORPICK (COLOR WHITE) | | | | | LISTED, WITH SAFETY CHAIN KIT | |
| A-1 INDICATES NEUTRAL CONDUCTOR, LONG HATCHES INDICATE PHASE CONDUCTORS, AND LONG HATCH WITH CIRCLE INDICATES ISOLATES | QUANTITY: REFER TO DRAWINGS (MIN. ONE PER LAV. COMPLETE W/ ELE. CONNECTIONS TYP.) | | H 120 | V 2-26DTT SP35 | RECESSED | 6"FLUORESCENT OPEN DOWN- LUMINAIRE, WITH ELECTRONIC BALLAST | GOTHAM AF 2/26DTT 8AR MV |
| OR INSULATED GROUND. ALPHANUMERIC DESCRIPTION INDICATES PANEL AND BREAKER. | FLOOR MOUNTED BOX, 2-DUPLEX RECEPTACLE (INCLUDE RECEPTACLE | | | | | | |
| UNDERGROUND CONDUIT AND WIRE HOMERUN TO PANEL. SHORT HATCH INDICATES NEUTRAL CONDUCTOR, LONG HATCHES INDICATE | FLOOR BOX = MFRHUBBELL MODEL#CFB4G30CR(MULTISERVICE STEEL RECESSED FLOOR BOX-2FBMPDUP, 2-FBMPREC, 24GTCVRALU | | HE SAA | | | | 1 |
| ISOLATED OR INSULATED GROUND. ALPHANUMERIC DESCRIPTION INDICATES PANEL AND BREAKER. | COVER-VERIFY FLOOR FINISH PRIOR TO ORDER SAME BOX FOR DATA OUTLETS. | | | | | | 1 |
| DETAIL NUMBER | \oplus = Electrical device as shown on plans surface mount raceway. | | X1 120 | V INCLUDED | SURFACE | THERMOPLASTIC EXIT/EMERGENCY UNIT WITH | |
| | SURFACE MOUNT RACEWAY SHALL BE WIREMOLD #V700 SERIES. PROVIDE ALL RELATED #V700 SERIES ACCESSORIES FOR AN OPERABLE SYSTEM | | | | | SELF-DIAGNOSTICS | LHQM LEDR SD |
| U THERMOSTAT WALL MOUNTED - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX. COORDINATE EXACT LOCATION AND HEIGHT WITH MECHANCIAL DIVISION. | | | X2 120 | V INCLUDED | SURFACE | THERMOPLASTIC EXIT UNIT WITH SELF-DIAGNOSTICS | LITHONIA LQM S W 1 R 120/2 |
| TELEPHONE BOARD | | | | | | | |
| PC PHOTO CELL(MFR.INTERMATIC #K4136M) | | | AA 120 | V LED LAMP 1500LM 4000K | SURFACE | FIXTURE MATCHES EXISTING WALL SCONCE. | WM 168-2 |
| LIGHTING CONTACTOR, NEMA-1, W/H.O.A. SWITCH | | | PP 100 | 1-100W MH | RECESSED | METAL HALIDE RECESSED WALLPACK, RATED FOR DAMP | HYDREL |
| IIC TIME CLOCK (MFR.TORK#7202Z) CP-1 CIRCULATING PUMP | | | вв 120 | 4000K | RECEOULD | LOCATION, LENSED, TO MATCH EXISTING | HP3 100M 120 LFW |
| MOUNTING HEIGHT | DETAIL NOTE: VERIFY WITH ARCHITECTURAL FOR ADA REQUIREMENTS. | | CC 120 | V LED 4400LM-44W 4000K | RECESSED | LED RETROFIT 12"SQUARE LIGHT FIXTURE, DAMP LOCATION RATED, CONTRACTOR SHALL VERIFY EXISTING LIGHT FIXTURE DIMENSIONS | SPECTRUM LIGHTIN RT12QLEDOA-44W |
| CEILING | CEILING 4" MIN. CEILING | | DD MV | OLT LED 4813 LM | SURFACE | LED FLOOD LIGHT WITH LED DRIVER RATED FOR WET | |
| | OUTLET 6" MIN. | | | | | | |
| | | | FF MV | OLT LED 5775 LM 4000K | SURFACE | DRIVER RATED FOR WET LOCCATION. PROVIDE PEDESTAL | LITHONIA DSXF2LED-4-A530/ |
| | | | | | | MOUNT AND ACCESSORIES | FIXTURE MFR. LITHO |
| ABOVE "OBSTRUCTION" SUCH AS A COUTER, THEN | THERMOSTAT,RE:DIV.15 80" FIRE ALARM STROBE/AUDIO SWITCH | | GG MVC | DLT 20325 LM 4000K | 28'POLE | LUMINAIKE, INCLUDE BASE COVER, RATED FOR WET LOCATION, TYPE 3 WIDE, INCLUDE DRIVER | DSX2LED-80C-700-4 POLE MFR. KW INDI |
| 42" MAXIMUM. | | | NOTE: | I | <u>I</u> | I | 1 UNITO-B |
| | NISHED FLOOR FINISHED FLOOR | | 1.) EQUAL MANU | | ABLE WITH EQUAL | PERFORMANCE OF SPECIFIED EQUIPMENT A | ND APPROVED BY EN |

| RICAL LEGEND-LIGHTING | ELECTRICAL LEGEND-FIRE ALARM | ELECTRICAL ABBREVIATIONS: | <u>GENERAL ELECTRICAL NOTES</u> 1. ALL SYMBOLS AND ABBREVIATIONS SHOWN ON THIS LEGEN |
|---|---|---|--|
| HOWN MAY NOT APPEAR IN ALL DRAWINGS. | ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. | AFF ABOVE FINISHED FLOOR MFR. MANUFACTURER | APPEAR ON THIS SET OF DRAWINGS. USE DIRECTIONAL ARROW ON EXIT SIGNS AS REQUIRED. |
| OWN SCHEMATIC AND MAY NOT BE TO SCALE. | SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE. | BFC BELOW FINISHED CEILING (S.C.) SHARE CIRCUIT QRCPT(S) QUAD RECEPTACLE(S) | 3. IEEE STANDARD C37.2-1991, ELECTRICAL POWER SYSTEM D |
| | <u>SYMBOL</u> <u>DESCRIPTION</u> | C CONDUIT RCPT(S) DUPLEX RECEPTACLE(S) CB CIRCUIT BREAKER CRCPT(S) LG RECEPTACLE(S) | |
| 2'x4' LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE | F FIRE ALARM PULL STATION: STUB 3/4"C ABOVE CEILING FROM J-BOX | EC EMPTY CONDUIT QCRCPT(S) QUAD I.G. RECEPTACLE(S) | 4. CONTRACTOR SHALL NOT INSTALL MORE THAN THREE CUR CONDUCTORS IN A COMMON RACEWAY. IF CONTRACTO GROUPING MULTIPLE CIRCUITS IN A SINGLE RACEWAY. THE |
| 2'X4' LIGHT FIXTURE W/EMERGENCY BATTERY PACK, REFER TO LUMINAIRE SCHEDULE | AVCI FIRE ALARM AUDIBLE/VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM J-BOX | EX EXISTING PNL PANEL F FUSE SO (S.O.) SPACE ONLY | MUST SUBMIT ALL DERATING CALCULATIONS FOR THE PROF INSTALLATION IN ACCORDANCE WITH NEC ARTICLE 310.15 |
| 2'x2' LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE | Image: State of the state | G GROUND (EQUIPMENT) SP SPARE | APPROVAL PRIOR TO INSTALLATION. NON APPROVED INST BE REMOVED AND REINSTALLED BY THE CONTRACTOR IN A |
| 2'X2' LIGHT FIXTURE W/EMERGENCY BATTERY PACK, REFER TO LUMINAIRE SCHEDULE | FROM J-BOX (AV) FIRE ALARM CEILING MOUNT AUDIBLE/VISUAL SIGNAL: STUB 3/4"C ABOVE | GFI GROUND FAULT INTERRUPTER ST (S.T.) SHUNT TRIP | THE NEC AT NO ADDITIONAL COST TO THE OWNER. |
| | V S CEILING FROM J-BOX FIRE ALARM CEILING MOUNT SPEAKER STROBE, UL LISTED, : J-BOX WITH 3/4"C | NF NONFUSED UF UNDERFLOOR | (270 DEGREES TOTAL) BETWEEN PULL POINTS. WHERE THERE THAN THREE QUARTER BENDS, CONTRACTOR SHALL PROVI |
| 1'X4' LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE | FIRE ALARM CEILING WALL MOUNT OUTDOOR SPEAKER STROBE, UL LISTED, : | NIC NOT IN CONTRACT H.D HEAVY DUTY UG UNDERGROUND | AS SPECIFIED AND SIZED IN ACCORDANCE WITH NEC. |
| TRACK LIGHT WITH HEADS AS INDICATED | (SD) H(SD) FIRE ALARM SMOKE DETECTOR CEILING OR WALL MOUNTED: STUB 3/4"C ABOVE CEILING FROM L-BOX | NL NIGHT LIGHT UNO(U.N.O.) UNLESS NOTED OTHERWISE AC ABOVE COUNTER WG WIPE GUARD | ELECTRICAL EQUIPMENT AND MATERIAL TO BE APPROVED, IDENTIFIED AND INSTALLED PER RECOGNIZED ELECTRICAL |
| INCANDESCENT, LED, FLUORESCENT, OR HID WALL WASHER LIGHT FIXTURE CEILING MTD, REFER TO LUMINAIRE SCHEDULE | HEAT DETECTOR CEILING OR WALL MOUNTED: STUB 3/4"C ABOVE CEILING FROM J-BOX | HT. HEIGHT MTD. MOUNTING WP WEATHERPROOF | LABORATORY. 7 ALL RECEPTACLES, SWITCHES AND JUNCTION BOXES SERVE |
| INCANDESCENT, LED, FLUORESCENT, OR HID FIXTURE CLG. OR WALL MTD, REFER TO LUMINAIRE SCHEDULE | DUCT SMOKE DETECTOR: STUB 3/4"C ABOVE CEILING FROM J-BOX | FDR. FEEDER XFMR TRANSFORMER | EMERGENCY BRANCH CIRCUITS SHALL BE "RED" IN COLO SHALL BE LABELED IN ACCORDANCE WITH SPECIFICATION |
| LED, FLUORESCENT, OR HID FIXTURE WITH EMERGENCY BATTERY PACK. CLG. OR WALL MTD, REFER TO LUMINAIRE SCHEDULE | CEILING FROM J-BOX | CKT. CIRCUIT MB MAIN BREAKER LTG. LIGHTING MLO MAIN LUGS ONLY | PANELBOARD AND CIRCUIT NO. (IE: ET*LA-3). |
| EXIT LIGHT, CEILING OR WALL MOUNTED - SHADING INDICATING SINGLE OR DOUBLE FACE: DIRECTIONAL ARROWS AS INDICATED | [FACP] FIRE ALARM CONTROL PANEL, ADDRESSABLE, SURFACE MID UNO, INCLUDE A FIRE DOCUMENT BOX EQUAL TO MFR. SPACE AGE ELECTRONICS #FDB-ACE-11. | LC LIGHTING CONTACTOR RMC RIGID METAL CONDUIT | l |
| REFER TO LUMINAIRE SCHEDULE | FACP-EVS FIRE ALARM CONTROL PANEL WITH EMERGENCY VOICE SYSTEM, | EA. EACH EMT ELECTRICAL METALLIC | LUMIN |
| EXIT LIGHT SAME AS ABOVE, EXCEPT WITH AN EMERGENCY UNIT AS A COMBO, REFER TO LUMINAIRE SCHEDULE | EQUAL TO MFR. SPACE AGE ELECTRONICS #FDB-ACE-11. | N3R NEMA-3R S/N SOLID NEUTRAL N4X NEMA-4X | MARK VOLTAGE |
| CEILING FAN | [FAAP] FIRE ALARM REMOTE ANNUNCIATOR PANEL, FLUSH MOUNTED UNO [PAD-X] POWER SUPPLY, DEDICATED 110V | SS STAINLESS STEEL AC ABOVE COUNTER AHJ AHUTHORITY HAVING IURISDICTION | A 120V 3-F32 |
| STRIP UTILITY LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE | DH DOOR HOLDER DEVICE: STUB 3/4"C ABOVE CEILING FROM J-BOX | NOTES: | |
| STRIP UTILITY STRIP LIGHT WITH EMERGENCY BATTERY PACK, | TAMPER SWITCH: STUB 3/4"C ABOVE CEILING FROM J-BOX | 1.) 48" AFF INDICATES TO TOP OF DEVICE; 15" AFF INDICATES TO BOTTOM OF DEVICE; | A1 120V 2-FU3 |
| REFER TO LUMINAIRE SCHEDULE WALL SWITCH SPST, 20A,120/277V | Flow Switch: Stob 3/4 C Above Celling FROM J-box FIRE ALARM OUTDOOR SPEAKER, WEATHER PROOF: STUB 3/4"C ABOVE CELLING FROM J-BOX CELLING FROM J-BOX | ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE. AC INDICATES 6" ABOVE COUNTER TO BOTTOM OF DEVICE. | |
| DOUBLE POLE TOGGLE SWITCH, 20A/120/277V | | | B 120V 3-F32 |
| 3-WAY WALL SWITCH, 20A,120/277V | ELECTRICAL LEGEND-GENERAL | | RE ALL ALL ALL ALL ALL ALL ALL ALL ALL AL |
| 4-WAY WALL SWITCH, 20A,120/277V | SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE. | ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS | SAME AS TYPE B |
| WALL DIMMER SWITCH | | SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE. | B1 120V 3-F32 |
| WALL SWITCH SPST, 20A, 120/277V - PILOT LIGHT SWITCH | <u>31/MDOL</u> | SINGLE RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R | |
| WALL SWITCH SPST, 20A, 120/277V - KEYED SWITCH, X = 3 OR 4 WAY | HEAVY DUTY DISCONNECT SWITCH FUSED | DUPLEX RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R | B2 120V 2-FU3 |
| ALLEGEND-SPECIAL SYTEMS | HEAVY DUTY DISCONNECT SWITCH NONFUSED | $_{\rm H}$ \oplus $_{\rm H}$ HOSPITAL GRADE DUPLEX RECEPTACLE/GFI - 20A/125V/2P/3W/G NEMA 5-20R | |
| HOWN MAY NOT APPEAR IN ALL DRAWINGS. | HEAVY DUTY COMBINATION DISCONNECT/MOTOR STARTER | DUPLEX RCPT. GFI - 20A/125V/2P/3W/G NEMA 5-20R | C 120V LED-6 67W 4000t |
| | HEAVY DUTY MOTOR STARTER | WP/ DUPLEX RCPT., WEATHER RESISTANT "WR", GFI INSTALLED IN A "IN-USE" WEATHER PROOF STEEL ENCLOSURE- 20A/125V/2P/3W/G | |
| DESCRIPTION | ENCLOSED BREAKER, RE: TO SCH. FOR MORE INFO. | NEMA 5-20R WP/"IN-USE" SHALL BE EQUAL TO MFR. CARLON, METALLIC SERIES SINGLE GANG, VERTICAL MOUNT #ME9UVMG DOUBLE GANG, VERTICAL MOUNT #ME9U2VMG | CE SAME AS TYPE 'C' |
| VALL MOUNTED TELEPHONE/DATA OUTLET. FURNISH AND INSTALL "C., WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. | Image: Reference of the second state of the secon | | |
| 24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 178" DEEP. VALL MOUNTED TELEPHONE OUTLET. FURNISH AND INSTALL 374"C | MOTOR | ↓ ISOLATED GROUND QUADPLEX RECEPTACLE | 120V 1-F32 |
| WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. 24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP. | PANELBOARD, CLEARANCE AS PER LATEST NEC | ISOLATED GROUND DUPLEX RECEPTACLE - 20A/125V NEMA 5-20R | E 120V INCL |
| VALL MOUNTED DATA OUTLET. FURNISH AND INSTALL 1"C | SWITCH LEG | 208V RECEPTACLE, VERIFY NEMA NO. WITH EQUIPMENT SUPPLIER | |
| 24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP. | ELECTRICAL CONDUIT | SPECIAL PURPOSE RECEPTACLE (NEMA NO. AS INDICATED) | F 120V 2-13E |
| UBLIC TELEPHONE OUTLET.: J-BOX & 3/4"C | | | 5533 |
| ELEVISION OUTLET. CLG. OR WALL MOUNTED - STUB 3/4" C. | X, X, X MULTI-POLE DEVICE CIRCUIT NUMBERS | MINIMUM OF 4" SQUARE | G 120V 6-54V |
| USHBUTTON WALL MOUNTED. | X/X/X THREE SINGLE POLE DEVICE CIRCUIT NUMBERS | (HD) J-BOX - AIR HAND DRYER: (RECESSED HAND DRYERS TO BE PROVIDED BY DIVISION 16, ELECTRICAL)#B-750 AUTOMATIC HANDCRAFT AS MANUFACTURER BY BOBRICK. (COLOR WHITE) | |
| OOR MOUNTED 2-DUPLEX RECEPTACLE /1GANG FOR TELE/DATA OUTLETS- FLUSH | PA-1 INDICATES NEUTRAL CONDUCTOR, LONG HATCHES INDICATE PHASE CONDUCTORS, AND LONG HATCH WITH CIRCLE INDICATES ISOLATES | QUANTITY: REFER TO DRAWINGS (MIN. ONE PER LAV. COMPLETE W/ ELE. CONNECTIONS TYP.) | H 120V 2-26D SP35 |
| FB-B,RFB-DR,RFB4-LPB COVER #FPBTCBK-VERIFY FLOOR FINISH PRIOR TO ORDER AME BOX FOR POWER OUTLETS. | OR INSULATED GROUND. ALPHANUMERIC DESCRIPTION INDICATES PANEL AND BREAKER. | FLOOR MOUNTED BOX, 2-DUPLEX RECEPTACLE (INCLUDE RECEPTACLE | |
| .OOR MOUNTED 2-DUPLEX RECEPTACLE /1GANG FOR DATA OUTLET- FLUSH OUNTED UNO FLOOR BOX = MFRWIREMOLD MODEL#RFB4-, | UNDERGROUND CONDUIT AND WIRE HOMERUN TO PANEL. SHORT HATCH INDICATES NEUTRAL CONDUCTOR, LONG HATCHES INDICATE | FLOOR BOX = MFRHUBBELL MODEL#CFB4G30CR(MULTISERVICE STEEL RECESSED FLOOR BOX-2FBMPDUP, 2-FBMPREC, 24GTCVRALU | |
| FB-B,RFB-DR,RFB4-LPB COVER #FPBTCBK-VERIFY FLOOR FINISH PRIOR TO ORDER AME BOX FOR POWER OUTLETS. | / / PHASE CONDUCTORS, AND LONG HATCH WITH CIRCLE INDICATES ISOLATED OR INSULATED GROUND. ALPHANUMERIC DESCRIPTION | COVER-VERIFY FLOOR FINISH PRIOR TO ORDER SAME BOX FOR DATA OUTLETS. | SAME AS TIFE H |
| UDIO VIDEO DROP, REFER TO DETAIL | DETAIL NUMBER | \oplus = electrical device as shown on plans surface mount raceway. | X1 120V INC |
| ITERCOM - CALL SWITCH- JBOX WITH 3/4"C | | SURFACE MOUNT RACEWAY SHALL BE WIREMOLD #V700 SERIES. PROVIDE ALL RELATED #V700 SERIES ACCESSORIES FOR AN OPERABLE | |
| EXTERIOR SPEAKER 10'-6" AFF | () THERMOSTAT WALL MOUNTED - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX. COORDINATE EXACT LOCATION AND HEIGHT WITH MECHANCIAL DIVISION | STSTEM. | X2 120V INC |
| CURITY DOOR CONTACT SENSOR - STUB 1/2"C | TELEPHONE BOARD | | |
| CURITY MOTION DETECTOR SENSOR - STUB 1/2"C | PL PHOTO CELL(MFR.INTERMATIC #K4136M) | | AA 120V LED L/ 400 |
| BOVE CEILING FROM OUTLET BOX | LIGHTING CONTACTOR, NEMA-1, W/H.O.A. SWITCH | | |
| BOVE CEILING FROM OUTLET BOX | IC TIME CLOCK (MFR.TORK#7202Z) CP-1 CIRCULATING PUMP | | BB 120V 1-10 400 |
| BOVE CEILING FROM OUTLET BOX | | | CC 120V LED |
| CCESS CONTROL PANEL JUNCTION BOX - BY OTHERS 54" | | | 400 |
| ARD READER BOX - STUB 3/4"C | CEILING | CEILING 4" MIN. CEILING | |
| STEM BY OTHERS AGNETIC LOCK BOX - STUB 3/4"C | RECE | | DD MVOLT LED 400 |
| DUVE CEILING LEVEL FROM OUTLET BOX STEM BY OTHERS | | HONE OULET | |
| NGLE SIDED CLOCK, J-BOX W/3/4"C. | | | FF MVOLT LED 400 |
| | | | GG MVOLT 1-LE |
| MERA J-BOX W/ 3/4" CONDUIT | SUCH AS A COUTER, THEN 42" MAXIMUM. | | 400 |
| | PROVIDE 18"AFF UNLESS OTHERWISE NOTED. FINISHED FLOOR | INISHED FLOOR | |
| | | | 2.) SUBMIT EQUAL MANUFACTURES SHA 2.) SUBMIT EQUAL MANUFACTUR 3.) SUBMIT LIGHT FIXTURES CUTSU |

ELECTRICAL LEGENE

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL I SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT

| 1 1 1 1 | | |
|--------------------|--|--|
| Symbol | DESCRIPTION | |
| V | WALL MOUNTED TELEPHONE/DATA OUTLET. FURNISH ANI 1"C., WITH PULLSTRING AND INSULATED BUSHING, STUBBE +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1 | D INSTALL ED ABOVE CEILING. /8" DEEP. |
| ▼ | WALL MOUNTED TELEPHONE OUTLET. FURNISH AND INSTA , WITH PULLSTRING AND INSULATED BUSHING, STUBBED A +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1 | ALL 3/4"C BOVE CEILING. /8" DEEP. |
| \bigtriangledown | WALL MOUNTED DATA OUTLET. FURNISH AND INSTALL 1" , WITH PULLSTRING AND INSULATED BUSHING, STUBBED A +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1 | C BOVE CEILING. /8'' DEEP. |
| V | PUBLIC TELEPHONE OUTLET.: J-BOX & 3/4"C | |
| | TELEVISION OUTLET. CLG. OR WALL MOUNTED - STUB 3/4 ABOVE CEILING FROM OUTLET BOX | Ч" С. |
| $\vdash \bullet$ | PUSHBUTTON WALL MOUNTED. | |
| \mathbf{v} | FLOOR MOUNTED 2-DUPLEX RECEPTACLE /1GANG FO MOUNTED UNO FLOOR BOX = MFRWIREMOLD MOD RFB-B,RFB-DR,RFB4-LPB COVER #FPBTCBK-VERIFY FLO SAME BOX FOR POWER OUTLETS. | DR TELE/DATA OUTLETS- FLUSH EL#RFB4-, OR FINISH PRIOR TO ORDER |
| \bigcirc | FLOOR MOUNTED 2-DUPLEX RECEPTACLE /1GANG FC MOUNTED UNO FLOOR BOX = MFRWIREMOLD MOD RFB-B,RFB-DR,RFB4-LPB COVER #FPBTCBK-VERIFY FLO SAME BOX FOR POWER OUTLETS. | DR DATA OUTLET- FLUSH EL#RFB4-, OR FINISH PRIOR TO ORDER |
| av | AUDIO VIDEO DROP, REFER TO DETAIL | |
| | INTERCOM - CALL SWITCH- JBOX WITH 3/4"C | |
| (\mathbb{S}) | INTERCOM/PAGING LAY-IN SPEAKER | |
| | PA EXTERIOR SPEAKER | 10'-6" AFF |
| DC | SECURITY DOOR CONTACT SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX | |
| MD | SECURITY MOTION DETECTOR SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX | |
| G | SECURITY GLASS BREAK SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX | |
| KP | SECURITY KEY PAD - STUB 3/4"C ABOVE CEILING FROM OUTLET BOX | |
| SEC | SECURITY PANEL JUNCTION BOX | 54" |
| ACC | ACCESS CONTROL PANEL JUNCTION BOX - BY OTHERS | 54" |
| CR | CARD READER BOX - STUB 3/4"C ABOVE CEILING LEVEL FROM OUTLET BOX SYSTEM BY OTHERS | |
| ML | MAGNETIC LOCK BOX - STUB 3/4"C ABOVE CEILING LEVEL FROM OUTLET BOX SYSTEM BY OTHERS | |
| Sd | INTRUSION EXTERIOR SPEAKER | 10'-6" AFF |
| © | SINGLE SIDED CLOCK, J-BOX W/3/4"C | 96" AFF MIN. |
| Сч | DOUBLE SIDED CLOCK, J-BOX W/3/4"C | 96" AFF MIN. |
| | CAMERA J-BOX W/ 3/4" CONDUIT | |

URERS TO ENGINEER 10 DAYS PRIOR TO BID DATE. 3.) SUBMIT LIGHT FIXTURES CUTSHEETS TO OWNER FOR APPROVAL PRIOR TO ORDER.
4.) CONTRACTOR SHALL VERIFY THAT ANY IRRIGATION SPRINKLER HEAD IS AWAY FROM ANY LIGHT POLE A MINIMUM OF 75' TO AVOID CONSISTENT WATER TO LIGHT POLE. COORDINATE WITH IRRIGATION CONTRACTOR PRIOR TO ANY WORK.

| LAMP | MOUNTING | DESCRIPTION | MODEL NO. |
|------------------------------|--------------------|--|---|
| 2T8SP35 | RECESSED LAY-IN | 2X4 LAY-IN FLUORESCENT TROFFER W/ ACRYLIC LENS & ELECTRONIC BALLAST | LITHONIA 2GT8 3 32 A12 MVOLT GEB10IS |
| 31T8SP35 | RECESSED LAY-IN | 2X2 LAY-IN FLUORESCENT TROFFER W/ ACRYLIC LENS & ELECTRONIC BALLAST | LITHONIA 2GT8 2 U316 A12 MVOLT GEB10IS |
| 2T8SP35 | RECESSED LAY-IN | 2X4 LAY-IN FLUORESCENT TROFFER W/ ACRYLIC LENS & ELECTRONIC BALLAST | LITHONIA 2GT8 3 32 A12 MVOLT GEB10IS |
| EXCEPT WITH 14 | 400 LUMEN EMERGE | ENCY BATTERY PACK | |
| 2T8SP35 | RECESSED | 2X4 LAY-IN FLUORESCENT TROFFER W/ ACRYLIC LENS & ELECTRONIC BALLAST | LITHONIA 2GT8 F 3 32 A12 MVOLT GEB10IS EL14 |
| 31T8SP35 | RECESSED LAY-IN | 2X2 LAY-IN FLUORESCENT TROFFER W/ ACRYLIC LENS & ELECTRONIC BALLAST | LITHONIA 2GT8 2 U316 A12 MVOLT GEB10IS |
| 6700L)K | SURFACE | 4' INSTITUTIONAL HIGH ABUSE LINEAR WRAPAROUND LED FIXTURE | KENALL ES12-48-67L40K-DCC-1-DV-2H-CP |
| ' Except with 1 | 400 LUMEN EMERG | ENCY BATTERY PACK | |
| 2T8 | SURFACE | 4' FLUORESCENT FIXTURE, DRIVER, UL LISTED, WITH MEDIUM DIFFUSE LENS | LITHONIA Z 1 32 MVOLT GEB10IS |
| UDED | SURFACE | THERMOPLASTIC EMERGENCY LIGHTING UNIT W/ SELF-DIAGNOSTICS | LITHONIA ELM2-SD |
| DTT | RECESSED | 6"FLUORESCENT OPEN DOWN- LUMINAIRE, WITH ELECTRONIC BALLAST | GOTHAM AF 2/13DTT 8AR MVOLT |
| WT5HO | SURFACE | HIGH BAY 4' FLUORESCENT FIXTURE WITH HIGH EFFICIENCY DRIVER, UL LISTED, WITH SAFETY CHAIN KIT | LITHONIA IBZ 654L GEB10PS90 |
| DTT | RECESSED | 6"FLUORESCENT OPEN DOWN- LUMINAIRE, WITH ELECTRONIC BALLAST | GOTHAM AF 2/26DTT 8AR MVOLT |
| EXCEPT WITH 14 | 400 LUMEN EMERGI | ENCY BATTERY PACK | |
| CLUDED | SURFACE | THERMOPLASTIC EXIT/EMERGENCY UNIT WITH SELF-DIAGNOSTICS | LITHONIA LHQM LEDR SD |
| CLUDED | SURFACE | THERMOPLASTIC EXIT UNIT WITH SELF-DIAGNOSTICS | LITHONIA LQM S W 1 R 120/277 EL N SD _ |
| LAMP 1500LM 00K | SURFACE | ARCHITECTURAL WALL SCONCE, PROVIDE LED LAMP, NEW LIGHT FIXTURE MATCHES EXISTING WALL SCONCE. | ARTE DE MEXICO WM 168-2 |
| 100W MH 00K | RECESSED | METAL HALIDE RECESSED WALLPACK, RATED FOR DAMP LOCATION, LENSED, TO MATCH EXISTING | HYDREL HP3 100M 120 LFW PFD SF LPI BL |
| D 4400LM-44W 00K | RECESSED | LED RETROFIT 12"SQUARE LIGHT FIXTURE, DAMP LOCATION RATED, CONTRACTOR SHALL VERIFY EXISTING LIGHT FIXTURE DIMENSIONS PRIOR TO ORDER. | SPECTRUM LIGHTING RT12QLEDOA-44W-40K-DS101-XX-FT-GW-FO90 |
| D 4813 LM 00K | SURFACE | LED FLOOD LIGHT WITH LED DRIVER RATED FOR WET LOCCATION. PROVIDE PEDESTAL MOUNT AND ACCESSORIES | LITHONIA DSXF2LED-3-A530/40K-FL-MVOLT-IS-DNAXD |
| D 5775 LM 00K | SURFACE | LED FLOOD LIGHT WITH LED DRIVER RATED FOR WET LOCCATION. PROVIDE PEDESTAL MOUNT AND ACCESSORIES | LITHONIA DSXF2LED-4-A530/40K-MSP-MVOLT-IS-DNAXD |
| .ED FIXTURE 325 LM 00K | 28'POLE | LED AREA LUMINAIRE, POLE MOUNT LUMINAIRE, INCLUDE BASE COVER, RATED FOR WET LOCATION, TYPE 3 WIDE, INCLUDE DRIVER | FIXTURE MFR. LITHONIA DSX2LED-80C-700-40K-T3M-MVOLT-RPADNAXD POLE MFR. KW INDUSTRIES #RSP25-5.0-11-NA- DM10-BC |
| | | • | - |

HALL BE ACCEPTABLE WITH EQUAL PERFORMANCE OF SPECIFIED EQUIPMENT AND APPROVED BY ENGINEER.

AMERICAN INSTITUTE OF ARCHITECTS

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<u>Sheet</u> E4.1ALT

OF

OCCUPANCY SENSOR LEGEND

C. ACCEPTABLE MANUFACTURERS: LUTRON AND SENSOR SWITCH

| | | | 1 | | |
|--------------------------------------|--|--|-----|----------|----------|
| SYMBOL | HUBBELL MODEL NUMBER | COMMENTS | | I ABFI | |
| OS1 | OMNI-DT500 | PROVIDE POWER PACK(#MP POWER PACK) POSITIONED AS DIRECTED BY MANUFACTURER. | | AHU-1 | 100AMP |
| \$ ^{OS2} | LH-MT-D1 | | | AHU-3,4 | 100AMP |
| GENERAL NOTES |) S: | | 1 F | AHU-5 | 60AMP, |
| A. CONTRACTO DATE. | R SHALL REFER TO MANUFAC | TURERS INSTRUCTIONS AND WIRING DIAGRAMS PRIOR TO BID | | CU-1 | 60AMP, |
| B. CONTRACTOR NOTES: | R SHALL INCLUDE ALL COST IN | I BID FOR AN OPERABLE LIGHTING SYSTEM. | | CU-3,4 | 60AMP, |
| 1. All sensor lo | ocations are approximate, re | fer to manufacturers installation instructions prior to installation. | | CU-5 | 60AMP, |
| 2. Ultrasonic | ceiling mount sensors should | be located a minimum of six feet from HVAC supply/return vents | | UH-1 | 30AMP, |
| 3 Contracto | r is responsible for: proper ser | sitivity & time delay settings (for non-adaptive products) recommended placement | | FCCU-1,2 | 30AMP, |
| and field verifi | ication of circuits with in resp | ect to power placement. | | WH-1 | 60AMP, 3 |
| 4. Contracto | r is responsible for field verific | cation of required number of power packs: | | IWH-1 | 30AMP, |
| | ower pack is required for eve | in three sensors in the zone | | IWH-2 | 30AMP, |
| One po | | | [| IWH-3 | 30AMP, |
| If multipused in | ple circuits are to be controll conjunction with the power | ed by a sensor, an auxiliary relay can be pack. | | IWH-4 | 30AMP, |
| • The mo | aximum number of sensors th | at can be put on a power pack is to be | | CU-2 | 100AMP |
| reduce | ea by one for each slave pac | | | AHU-2 | 200AMP |
| 5. Sensors m | ounied over the door must b | e placed one looi inside the threshold. | | | |
| 6. Contracto specifications | or is responsible for ensuring t | nat the sensor bill of materials complies with the sensor design and layout | | | |
| 7. Contracto 8. Refer to n | or is responsible for installing e nanufacturers wiring diagran | equipment in compliance with local code. ns. | | | |

GENERAL NOTES:

- A. PROVIDE GROUND /BONDING AS INDICATED ON THE NATIONAL ELECTRICAL CODE.
- B. NAME PLATES SHALL BE PROVIDED FOR ALL ELECTRICAL SWITCH GEAR, PANEL BOARDS, LIGHTING CONTACTORS, LIGHTING CONTROL PANELS, ETC.. BY ELECTRICAL CONTRACTOR. C. NEW ELECTRICAL METERING AND SERVICE EQUIPMENT SHALL BE PROVIDED AND INSTALLED
- ACCORDING TO THE LOCAL POWER UTILITY CO. AND CITY REQUIREMENTS. VERIFY AND COORDINATE WITH POWER UTILITY CO. AND AHJ BEFORE BID AND INSTALLATION.
- D. COMPLY WITH NFPA 70E SAFETY REQUIREMENTS.
- E. PANELBOARDS WITH MORE THAN 42 CIRCUITS SHALL BE IN ONE CABINET ENCLOSURE, UNLESS OTHERWISE NOTED.
- F. PROVIDE 4"CONCRETE PAD FOR ALL DRY-TYPE TRANSFORMERS.
- G. ALL TWO SECTION PANELBOARDS SHALL BE FEED THRU LUGS.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY OF ELECTRICAL SERVICE TO THE NEW BUILDING WITHIN PROJECT SCHEDULE. COORDINATE ALL COST FOR LABOR AND MATERIALS WITH LOCAL ELECTRICAL UTILITY COMPANY PRIOR TO BID. ALL COST ASSOCIATED WITH THE DELIVERY OF ELECTRICAL SERVICE INCLUDING ALL MATERIALS SHALL BE INCLUDED IN BID. TRANSITION OF NEW ELECTRICAL SERVICE SHALL PROCEED IN WEEKENDS OR HOLIDAYS, INCLUDE ALL COST IN BID FOR OVERTIME FROM ELECTRIC UTILITY COMPANY. NO ADDITIONAL PAYMENT WILL BE MADE FOR SERVICE DELIVERY COSTS AFTER CONTRACT HAS BEEN AWARDED.
- I. THE CONTRACTOR SHALL FURNISH AN ARC FLASH HAZARD ANALYSIS STUDY PER NFPA 70E-STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE, REFERENCE ARTICLE 130.3 AND ANEEX D.
- J. THE CONTRACTOR SHALL FURNISH SHORT-CIRCUIT AND PROTECTION DEVICE COORDINATE STUDIES WHICH SHALL BE PREPARED BY THE EQUIPMENT GEAR MANUFACTURER.

| DISCONNECT SCHEDULE |
|--|
| DESCRIPTION |
| 100AMP, 3Ø, 4W, N1,208V, S/N, N.F., H.D. DISCONNECT |
| 100AMP, 1Ø, 3W, N1,208V, S/N, N.F., H.D. DISCONNECT |
| 60AMP, 1Ø, 3W, N1,208V, S/N, N.F., H.D. DISCONNECT |
| 60AMP, 3Ø, 4W, N3R,208V, S/N, H.D. FUSED DISCONNECT |
| 60AMP, 1Ø, 3W, N3R,208V, S/N, H.D. FUSED DISCONNECT |
| 60AMP, 1Ø, 3W, N3R,208V, S/N, H.D. FUSED DISCONNECT |
| 30AMP, 1Ø, 3W, N1,208V, S/N, N.F., H.D. DISCONNECT |
| 30AMP, 1Ø, 3W, N3R,208V, S/N, H.D. FUSED DISCONNECT |
| 60AMP, 3Ø, 4W, N1,208V, S/N, N.F., H.D. ROTARY TYPE DISCONNECT |
| 30AMP, 1Ø, 3W, N1,208V, S/N, N.F., H.D. ROTARY TYPE DISCONNECT |
| 30AMP, 1Ø, 3W, N1,208V, S/N, N.F., H.D. ROTARY TYPE DISCONNECT |
| 30AMP, 1Ø, 3W, N1,208V, S/N, N.F., H.D. ROTARY TYPE DISCONNECT |
| 30AMP, 1Ø, 3W, N1,208V, S/N, N.F., H.D. ROTARY TYPE DISCONNECT |
| 100AMP, 3Ø, 4W, N3R,208V, S/N, H.D. FUSED DISCONNECT |
| 200AMP, 3Ø, 4W, N1,208V, S/N, N.F., H.D. DISCONNECT |

| | LIGHTING CONTACTOR SCHEDULE | |
|----|---|------------------|
| ID | CONTACTOR DESCRIPTION | CONTROL SWITCH |
| L1 | CONTACTOR-120V COIL, 20AMP, ELEC.HELD.HOA,12-POLE IN A NEMA-1 ENCLOSURE | TIME CLOCK-TC (M |
| L1 | CONTACTOR-120V COIL, 20AMP, ELEC.HELD.HOA,12-POLE IN A NEMA-1 ENCLOSURE | TIME CLOCK-TC (M |

ELECTRICAL RISER DIAGRAM KEYED NOTES:

- T PROVIDE A 120/208V, 3-PHASE, 4-WIRE, NEMA-3R, SERVICE RATED MAIN CIRCUIT BREAKER 1600AMP FRAME WITH 1400AMP TRIP, INCLUDE ARC ENERGY REDUCTION SWITCH. FIELD VERIFY EXACT LOCATION.
- 2 NEW ELECTRICAL SERVICE METER 120/208V, 3Ø, 4W. CONTRACTOR SHALL PROVIDE METER BASE. VERIFY WITH POWER FOR METER BASE REQUIREMENTS PRIOR TO BID DATE. INCLUDE ALL COST IN BID. COORDINATE ALLOCATION OF METER SOCKET AND WIRING WITH POWER COMPANY.
- 3 NEW POWER COMPANY PAD MOUNT TRANSFORMER 120/208V, 3Ø, 4W, PROVIDE CONCRETE PAD AS PER POWER COMPANY REQUIREMENTS.
- 4 FURNISH AND INSTALL 1-4"C FOR UTILITY PRIMARY RACEWAY TO POWER SOURCE AS DIRECTED BY UTILITY COMPANY. PROVIDE WARNING RIBBONS 12" ABOVE CONDUIT.
- 5 1#3/0G IN 1"C, 3/4"X10' COPPER CLAD RODS. PROVIDE GROUNDING AS PER NEC REQUIREMENTS.
- 6 PROVIDE 5-RUNS EACH AL. 4#500KCMIL, 4"C
- $\langle 7 \rangle$ PROVIDE 1-2"C WITH PULLSTRING.
- 8 NEW POWER COMPANY POLE WITH RISER DIP POLE. COORDINATE WITH POWER COMPANY FOR ALL REQUIREMENTS.
- (9) 230kw, 208/120v, 3Ø, 4W, 1-800AMP 3-POLE MAIN BREAKER 100% RATED, U.L. LISTED DIESEL GENERATOR IN A WEATHER PROOF ENCLOSURE. 48-HOUR DOUBLE WALL TANK. PROVIDE CONCRETE PAD. REFER TO SPECIFICATIONS.
- (10) PROVIDE 4-RUNS EACH 4#500KCMIL, 1#4/OG, 4"C
- (11) 1-1"C TO PANEL FOR BLOCK HEATER CKT, 1-1"C TO PANEL FOR BATTERY CHARGER CKT AND (1)-1"C TO ATS FOR START CONTROLS. START CONTROL WIRING SHALL BE 3#14. VERIFY WITH EQUIPMENT SUPPLIER FOR START WIRING. REFER TO PANEL SCHEDULES FOR BLOCK HEATER AND BATTERY CHARGER CIRCUITS.

- $\langle 12 \rangle$ provide 1-1.5"C with pullstring for remote anunnelator. Coordinate exact LOCATION- FOR REMOTE ANUNNCIATOR WITH OWNER PRIOR TO ANY ROUGH-INS. LOCATE REMOTE ANUNNCIATOR IN DISPATCH ROOM#305.
- (13) 3"GALVANIZED PIPE WITH UNISTRUT STAND FOR ELECTRICAL SERVICE EQUIPMENT. COORDINATE WITH UTILITY COMPANY PRIOR TO ANY WORK.
- (14) PROVIDE WIREWAY TO CONNECT NEW FEEDER TO EXISTING PANEL. FIELD VERIFY EXISTING CONDIDTIONS PRIOR TO ANY WORK.
- (15) 600AMP, 208/120V, 3Ø, 4W, S/N, NEMA-1, AUTOMATIC TRANSFER SWITCH, OPEN TRANSITION TYPE, MFR. ASCO #300 SERIES
- $\langle 16 \rangle$ PROVIDE 4-RUNS EACH AL. 4#250KCMIL, 1#3/0G, 3"C.

| NTROL SWITCH |
|---------------------------|
| CLOCK-TC (MFR.TORK#7202Z) |
| CLOCK-TC (MFR.TORK#7202Z) |
| |

| 120/208V, 3Ø, 4W ELECTRICAL LOAD ANALYSIS | | | | | | | |
|---|-----------|--|--|--|--|--|--|
| | | | | | | | |
| DISCRIPTION | TOTAL KVA | | | | | | |
| LIGHTING | 23 | | | | | | |
| GENERAL POWER | 90 | | | | | | |
| existing | 150 | | | | | | |
| A/C | 117 | | | | | | |
| WATER HEATER | 21 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| TOTAL WATTS: | 401 KVA | | | | | | |
| total amps: | 1114 AMPS | | | | | | |
| WIRE SIZE AMPS: | 1400 AMPS | | | | | | |
| | | | | | | | |

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_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ \succ $\neg \circ \circ \neg$ \succ

PROJECT NUMBER 215009

DATE MAY. 15, 2017

| PANEL: MDP | AMP | LU | GS | NEMA | ∨(LL) | | (P) | | (\ | () | V | (LN) | MNT | KAIC | FDR | :4-RUNS EACH, |
|--|------------------|---|---|--|---|---|-----------------------------------|--|---|--|---|---|---|---|-----------------------------|--|
| OCATION: | 1600 | MI | LO | 1 | 208 | | 3 | | 4 | | | 120 | SUR. | 44 | 4#50 | 00KCMIL, 1#4/0G, 4 |
| LOAD | CKT | LO. | AD | BKR | POLE | FEEDER/BRANCH CIRCUIT | Ι. | | | FEEDER/BRANCH CIRCUI | T P | OLE | BKR | LOAD | CKT | LOAD |
| | # | KV 8 | VA 89 | 800 | 3 | SIZE 4-RUNS EACH | A * | В | | | | | SIZE | KVA | # | SERVED |
| " | 3 | 8 | 35 | 000 | 0 | AL. 4#250KCMIL, 1#5/0G, 5 C | | * | ╈ | - | | | | | 4 | SPACE |
| u. | 5 | 7 | '9 | | | - | | | * | - | | | | | 6 | SPACE |
| SPACE | 7 | | | | | - | * | | | AL. 4#250KCMIL, 1#4G,3" | C | 3 | 200 | 17 | 8 | PANEL-LR2 |
| SPACE | 9 | | | | | - | | * | _ | - | | | | 14 | 10 | " |
| SPACE | 11 | | | | | - | | _ | * | - | | | | 11 | 12 | |
| SPACE | 13 | | | | | - | * | * | + | - | - | | | | 14 | SPACE |
| SPACE | 15 | | | | | - | | | * | | - | | | | 16 | SPACE |
| SPACE | 19 | | | | | _ | * | | | | | | | | 20 | SPACE |
| SPACE | 21 | | | | | - | | * | | - | | | | | 22 | SPACE |
| SPACE | 23 | | | | | - | | | * | - | | | | | 24 | SPACE |
| SPACE | 25 | | | | | - | * | | | - | | | | | 26 | SPACE |
| SPACE | 27 | | | | | - | | * | _ | - | _ | | | | 28 | SPACE |
| SPACE | 29 | | | | | - | | _ | * | - | _ | | | | 30 | SPACE |
| SPACE | 31 | | | | | - | <u></u> | * | +- | - | | | | | 32 | SPACE |
| SPACE | 35 | | | | | - | | | * | | | | | | 34 | SPACE |
| TVSS | 37 | 1 | | 60 | 3 | 4#6, 1#10G,1"C | * | + | + | | 4"C | 3 | 600 | 40 | 38 | EXISTING |
| " | 39 | | | | - | - | | * | | - | + | - | | 40 | 40 | PANEL-A |
| Ш | 41 | | | | | - | | | * | - | | | | 40 | 42 | п |
| LOADS | - | (K∖ | √A) | | | | 143 | 138 | 3 12 | 0 | | | | (KVA) | - | DESCRIPTIVE LOAD |
| CONNECTED LOAD | - | 40 | 01 | | | | K١ | /A/P | HASE | | | | | 0 | - | LIGHTING |
| RESERVE | 0 | | 0 | I | | | | | | | | | | 0 | - | RECEPTACLES |
| IOTAL LOAD | - | 40 | 01 | | | | | | | | | | | 0 | - | HEATING |
| total amps | - | 11 | 12 | | | | | | | | | | | 401 | - | OTHER |
|) | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| ANEL-LR2 | Α | AMP L | | NEMA | V(LL) | | (P) 3 | | (W) 4 | | V(LN) | MNT | KAI0 | C FDF | R LINI 44 | #4/0 1#4G 3"C |
| ANEL-LR2 DCATION- LOAD | A | AMP L 225 1 | LUGS MLO | NEMA 1 BKR | V(LL) 208 POLE | FEEDER/BRANCH CIRCUIT | (P) 3 | | (W) 4 | FEEDER/BRANCH CIRCUIT | V(LN) 120 POLE | MNT SUR. BKR | KAIC 10 LOA | C FDF 1-R D CK | R UN 41 | #4/0, 1#4G, 3"C LOAD |
| ANEL-LR2 DCATION- LOAD SERVED | A 2 (| AMP L 225 / CKT L # I | .ugs mlo .oad kva | NEMA 1 BKR SIZE | V(LL) 208 POLE | FEEDER/BRANCH CIRCUIT SIZE | (P) 3 | В | (W) 4 C | FEEDER/BRANCH CIRCUIT SIZE | V(LN) 120 POLE | MNT SUR. BKR SIZE | KAIG 10 LOA KV/ | C FDF 1-R D CK | R UN 44 | #4/0, 1 #4G, 3"C LOAD SERVED |
| anel-lr2 DCATION- LOAD SERVED LIGHTING | A 2 0 | AMP L 225 / CKT L # 1 | lugs mlo .0ad kva 1.1 | NEMA 1 BKR SIZE 20 | V(LL) 208 POLE 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C | (P) 3 A | В | (W) 4 C | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C | V(LN) 120 POLE | MNT SUR. BKR SIZE 20 | KAI0 10 LOA KV/ 1.2 | C FDF 1-R D CK A # 2 | R UN 41 | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING | ۵ ۲ ۲ ۱ | AMP L 225 / CKT L # 1 3 | LUGS MLO OAD KVA 1.1 1.2 | NEMA 1 BKR SIZE 20 20 | V(LL) 208 POLE | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 A * | В | (W) 4 C | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 | MNT SUR. BKR SIZE 20 20 | KAI0 10 LOA KV/ 1.2 1.2 | C FDF 1-R D CK 4 2 4 | R UN 4a | #4/0, 1 #4G, 3"C LOAD SERVED LIGHTING LIGHTING |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING | | AMP L 225 / CKT L 1 3 5 | UGS MLO OAD KVA 1.1 1.2 1 | NEMA 1 BKR SIZE 20 20 20 | V(LL) 208 POLE | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 A * | B * | (W) 4 C | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G, 1/2"C 2#12, 1#12G, 1/2"C 2#12, 1#12G, 1/2"C | V(LN) 120 POLE | MNT SUR. BKR SIZE 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 | C FDF 1-R D CK 4 2 4 6 | R UN 4 1 F | #4/0, 1 #4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTII |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING | | AMP L 225 / CKT L # 1 3 5 7 | UGS MLO OAD KVA 1.1 1.2 1 1.5 | NEMA 1 BKR SIZE 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * | B * | (W) 4 C * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 | C FDF 1-R D CK 4 2 4 6 8 | R UN 4i | #4/0, 1 #4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTI EMERGENCY/EX |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING SPACE SPACE | | AMP L 225 / CKT L 1 3 5 7 9 | UGS MLO OAD KVA 1.1 1.2 1 1.5 | NEMA 1 BKR SIZE 20 20 20 20 | V(LL) 208 POLE 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - | (P) 3 * | B * | (W) 4 C * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - | V(LN) 120 POLE 1 1 1 | MNT SUR. BKR SIZE 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 | C FDF 1-R D CK' 4 2 4 6 8 10 | R UN 41 | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTII EMERGENCY/EX SPACE |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS | | AMP L 225 / CKT L 1 3 5 7 9 11 13 | UGS MLO OAD KVA 1.1 1.2 1.5 | NEMA 1 BKR SIZE 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C | (P) 3 * * | B * * | (W) 4 C * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 | MNT SUR. BKR SIZE 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 | C FDF 1-R D CK 4 2 4 6 8 10 12 14 | | #4/0, 1 #4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE SPACE 2 RCPTS |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 1.) E.D.F. | | AMP L 2225 / CKT L 1 3 5 7 9 11 13 13 15 | LUGS MLO OAD KVA 1.1 1.2 1 1.5 1.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * | B * * | (W) 4 C * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 | C FDF 1-R D CK 4 6 8 10 12 14 16 | | #4/0, 1 #4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTII EMERGENCY/EX SPACE SPACE 2 RCPTS 3 RCPTS |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 1.) E.D.F. 1 RCPT | | XMP L 225 / CKT L 1 3 5 7 9 11 13 15 17 | LUGS MLO OAD KVA 1.1 1.2 1.5 1.2 1.2 0.4 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * | B * * | (W) 4 C * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.6 0.4 0.4 | C FDF 1-R D CK 4 2 4 6 8 10 12 14 16 18 | | #4/0, 1 #4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTI EMERGENCY/E> SPACE SPACE 2 RCPTS 3 RCPTS 1 RCPT |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS | | AMP L 225 / CKT L 1 3 5 7 7 9 11 13 13 15 17 17 19 | LUGS MLO OAD KVA 1.1 1.2 1 1.2 1.2 0.4 0.6 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * | B * * | (W) 4 C * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 0.4 1.2 | C FDF 1-R D CK 4 6 8 10 12 14 16 18 20 | | #4/0, 1 #4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTII EMERGENCY/EX SPACE 2 RCPTS 3 RCPTS 1 RCPT 6 RCPTS |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 4 RCPTS | | AMP L 225 / CKT L 1 3 5 7 9 11 13 15 17 19 21 21 | UGS MLO OAD KVA 1.1 1.2 1.2 1.2 1.2 0.4 0.6 0.8 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * | B * * * | (W) 4 C * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.6 0.4 0.4 0.4 0.4 1.2 1.2 | C FDF 1-R D CK 4 2 4 6 8 10 12 14 16 18 20 222 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE SPACE 2 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTING SPACE 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 4 RCPTS 6 RCPTS | | AMP L 225 / CKT L 1 3 5 7 9 11 13 15 17 17 17 19 21 23 23 | UGS MLO OAD 1.1 1.2 1.2 1.2 1.2 0.4 0.6 0.8 1.2 | NEMA 1 BKR 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * | B * * * | (W) 4 C * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.6 0.4 0.4 0.6 0.4 1.2 1.2 0.8 | C FDF 1-R D CK 4 6 8 10 12 14 16 18 20 22 24 24 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE 2 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 4 RCPTS 6 RCPTS 5 RCPTS 3 CPCPTS | | AMP L 225 / CKT L 1 3 5 7 9 11 13 15 17 19 21 23 225 27 | LUGS MLO OAD KVA 1.1 1.2 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * | B * * * * | (W) 4 C * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.6 0.4 0.4 0.4 1.2 0.8 0.4 1.2 0.8 0.4 | C FDF 1-R 2 C K 4 6 8 10 12 14 16 18 20 22 24 26 28 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTI EMERGENCY/E> SPACE SPACE 2 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 2 CRCPTS |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING SPACE 6 RCPTS 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 6 RCPTS 6 RCPTS 5 RCPTS 3 CRCPTS 1 RCPT | | AMP L 225 / CKT L 1 3 5 7 9 11 13 15 17 17 17 17 17 21 23 25 27 29 | UGS MLO OAD 1.1 1.2 1 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * | B * * * * | (W) 4 C * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.6 0.4 0.4 0.4 1.2 0.8 0.4 1.2 0.8 0.4 1.2 0.8 | C FDF 1-R D CK 4 6 8 10 12 14 16 18 20 22 24 26 28 30 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE 2 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING SPACE SPACE SPACE 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 4 RCPTS 6 RCPTS 5 RCPTS 3 CRCPTS 1 RCPT 1 RCPT 1 RCPT | | AMP L 225 / CKT L 1 3 5 7 9 11 13 15 17 13 15 17 19 21 23 25 27 29 31 | LUGS MLO OAD KVA 1.1 1.2 1 1.5 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * | B * * * * | (W) 4 C * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 1.2 0.8 0.4 1.2 0.8 0.4 1.2 0.6 1.2 | C FDF 1-R 2 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE 2 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE 6 RCPTS 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 6 RCPTS 5 RCPTS 5 RCPTS 3 CRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT ACCESS PS | | AMP L 225 / CKT L 1 3 5 7 9 11 13 15 17 17 17 17 17 17 21 23 25 27 29 31 33 | UGS MLO OAD I.1 1.2 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1.2 2.4 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | <pre>∨(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</pre> | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * | B * * * * * * | (W) 4 C * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAIG 10 LOA KV/ 1.2 1.2 0.6 1.5 0.6 0.4 1.2 1.2 0.6 0.4 1.2 0.6 0.4 1.2 0.6 0.4 1.2 0.6 0.4 1.2 0.6 | C FDF 1-R 2 C K 4 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE 2 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE SPACE 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 4 RCPTS 4 RCPTS 5 RCPTS 5 RCPTS 3 CRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT ACCESS PS | | AMP L 225 / CKT L 1 3 5 7 7 9 11 13 7 9 11 13 15 17 17 19 21 23 25 27 29 21 23 13 33 35 | UGS MLO OAD KVA 1.1 1.2 1 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * | B * * * * * | (W) 4 C * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 1.2 0.6 0.4 1.2 0.6 0.4 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 | C FDF 1-R 2 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE 2 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 2 ACCESS PS |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 3 RCPT 3 RCPT 3 RCPT 3 RCPTS 5 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RCPT | | AMP L 225 / CKT L 1 3 5 7 1 1 3 3 7 9 1 1 3 1 5 7 7 9 1 1 1 3 1 5 7 7 9 1 1 1 1 3 1 5 7 2 7 1 1 2 1 2 3 1 2 3 1 2 3 3 3 5 3 3 5 3 7 2 9 2 9 1 1 1 1 2 3 3 3 3 | UGS MLO OAD KVA 1.1 1.2 1 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 3.5 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#10, 1#10G,3/4"C | (P) 3 * * * * | B * * * * * | (W) 4 C * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAIG 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 0.4 1.2 0.8 0.4 1.2 0.8 0.4 1.2 1.2 0.6 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 | C FDF 1-R 2 C K 4 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE SPACE 2 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 2 ACCESS PS ACCESS PS REF. |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 4 RCPTS 4 RCPTS 5 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RCPT | | AMP L 225 / CKT L 1 3 5 7 9 11 3 5 7 9 11 13 15 17 17 13 15 17 21 23 25 27 29 31 23 35 37 33 37 39 39 | UGS MLO OAD KVA 1.1 1.2 1 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 3.5 0.8 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#10G,3/4"C 2#10, 1#10G,3/4"C 2#12, 1#12G,1/2"C | (P) 3 * * * | B * * * * * * | (W) 4 C * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.6 0.4 0.4 0.4 1.2 0.6 0.4 1.2 0.8 0.4 1.2 0.6 1.2 2.4 1.2 0.6 1.2 2.4 1.2 0.6 | C FDF 1-R 2 C K 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE 2 RCPTS 3 RCPTS 3 RCPTS 4 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 3 QRCPTS 3 QRCPTS 3 QRCPTS |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE 6 RCPTS 3 RCPT 3 RCPT 3 RCPT 3 RCPT 3 RCPTS 6 RCPTS 5 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RCPT | | AMP L 225 / CKT L 4 1 3 5 7 9 11 3 5 7 9 11 13 15 17 17 19 21 23 17 23 25 27 29 31 33 35 37 39 41 42 | UGS MLO OAD KVA 1.1 1.2 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1.2 0.4 0.6 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | <pre> V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</pre> | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C 2#10, 1#10G,3/4"C 2#10, 1#10G,3/4"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * * | B * * * * * * * * * * * * * * | (W) 4 C * * * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.6 0.4 0.4 0.4 1.2 1.2 0.8 0.4 1.2 0.6 1.2 0.6 1.2 0.4 1.2 1.2 1.2 1.2 0.6 | C FDF 1-R 2 C K 4 2 4 6 8 10 12 14 16 18 20 22 24 26 28 300 32 34 36 38 40 42 42 42 40 42 40 40 40 40 40 40 40 40 40 40 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE SPACE 2 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 3 QRCPTS SPACE SPACE |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE 6 RCPTS 1 LIGHTING 4 RCPTS 4 RCPTS 4 RCPTS 5 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RCPT | | AMP L 225 / CKT L 1 3 5 7 9 11 3 5 7 9 11 13 15 17 17 13 15 17 21 23 25 27 29 31 23 35 37 33 35 37 41 43 43 45 45 45 45 45 45 45 45 45 45 | UGS MLO OAD KVA 1.1 1.2 1 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 3.5 0.8 0.8 0.6 0.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * * | B * * * * * * | (W) 4 C * * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 1.2 0.6 0.4 1.2 0.6 1.2 0.6 1.2 2.4 1.2 0.6 1.2 2.4 1.2 0.6 | C FDF 1-R 2 C K 4 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 22 24 26 28 30 32 34 36 38 40 42 44 44 44 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE 2 RCPTS 3 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 6 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 3 QRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 5 ACCESS PS REF. 3 QRCPTS |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 3 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 4 RCPTS 5 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 | | AMP L 225 I 1 I 3 I 5 I 7 I 9 I 11 I 13 I 13 I 14 I 12 I 23 I 23 I 23 I 23 I 23 I 33 I 33 I 33 I 33 I 33 I 33 I 341 I 43 I 47 I | LUGS MLO OAD KVA 1.1 1.2 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 2.4 3.5 0.8 0.6 0.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#10G,3/4"C 2#10, 1#10G,3/4"C 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * * | B * * * * * * * * * * * | (W) 4 C * * * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.6 0.4 0.4 0.4 1.2 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.4 1.2 1.2 0.6 1.2 1.2 0.6 | C FDF 1-R 2 C K 4 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 40 26 28 30 32 24 40 26 28 30 32 24 40 26 28 30 32 24 40 36 40 40 40 40 40 40 40 40 40 40 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE SPACE 2 RCPTS 3 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 4 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 3 QRCPTS SPACE SPACE SPACE SPACE SPACE |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 1 LIGHTING 3 RCPT 3 RCPT 3 RCPTS 4 RCPTS 4 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 2 CRCPS 2 CRCPTS 3 CRCPT | | AMP L 225 I 1 1 3 - 7 - 7 - 7 - 7 - 7 - 9 - 11 - 13 - 17 - 9 - 11 - 12 - 21 - 23 - 241 - 33 - 37 - 39 - 41 - 43 - 45 - | UGS MLO OAD KVA 1.1 1.2 1 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 3.5 0.8 0.2 0.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * * * | B ** * * * * * * * * | (W) 4 C * * * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 1.2 0.6 0.4 1.2 0.6 1.2 0.6 1.2 0.4 1.2 1.2 0.4 1.2 1.2 0.6 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 | C FDF 1-R 2 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 22 24 26 28 30 32 34 36 38 40 42 44 46 50 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE 2 RCPTS 3 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 6 RCPTS 6 RCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 3 QRCPTS SPACE SPACE SPACE SPACE SPACE SPACE |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE 3 PACE 3 RCPTS 1 RCPT 3 RCPTS 4 RCPTS 4 RCPTS 4 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RC | | AMP L 225 / CKT L 1 3 5 7 9 11 3 5 7 9 1 1 1 3 1 5 1 7 9 1 1 1 1 3 1 5 1 7 9 1 1 1 1 1 3 1 5 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | LUGS MLO OAD KVA 1.1 1.2 1 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 2.4 3.5 0.8 0.6 0.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * * * | B * * * * * * * * * * * * * * * * | (W) 4 C * * * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 1.2 0.6 0.4 1.2 0.6 0.4 1.2 0.4 1.2 0.6 1.2 1.2 0.4 1.2 1.2 0.4 1.2 1.2 0.4 1.2 1.2 0.6 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 | C FDF 1-R 2 C K 4 6 8 10 12 14 16 18 20 22 24 26 28 30 22 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 26 28 30 32 26 28 30 32 26 28 30 32 26 28 30 32 26 28 30 32 26 28 30 32 26 28 30 32 26 28 30 32 26 28 30 32 26 28 30 32 26 28 30 32 26 34 36 50 50 50 50 50 50 50 50 50 50 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/E> SPACE SPACE 2 RCPTS 3 RCPTS 3 RCPTS 4 RCPTS 6 RCPTS 6 RCPTS 6 RCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 3 QRCPTS 3 QRCPTS SPACE SPACE SPACE SPACE SPACE SPACE SPACE |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE 6 RCPTS 1.] E.D.F. 1 RCPT 3 RCPTS 4 RCPTS 4 RCPTS 4 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 2 ACCESS PS ACCESS PS ACCESS PS ACCESS PS ACCESS PS IWH-4 FACP TC-L2 LIGHTING SPACE SPACE SPACE SPACE SPACE | | AMP L 225 I 1 I 3 I 5 I 7 I 9 I 11 I 13 I 21 I 23 I 241 I 33 I 33 I 33 I 33 I 33 I 33 I 41 I 43 I 445 I 53 I | UGS MLO OAD KVA 1.1 1.2 1 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 3.5 0.8 0.2 0.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * * | B ** * * * * * * * * | (W) 4 C * * * * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 0.4 0.4 0.4 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 0.6 0.4 1.2 1.2 0.6 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 | C FDF 1-R 2 C K 4 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EÞ SPACE 2 RCPTS 3 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 6 RCPTS 6 RCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 3 QRCPTS SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 1.] E.D.F. 1 RCPT 3 RCPTS 4 RCPTS 4 RCPTS 6 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 2 ACCESS PS ACCESS PS ACCESS PS ACCESS PS IWH-4 FACP TC-L2 LIGHTING SPACE SPACE SPACE SPACE SPACE SPACE | | AMP L 225 I 1 I 3 I 5 I 7 I 9 I 11 I 13 I 13 I 14 I 13 I 14 I 23 I 24 I 25 I 26 I 27 I 28 I 29 I 31 I 23 I 33 I 341 I 43 I 447 I 53 I 53 I 55 I | LUGS MLO OAD KVA 1.1 1.2 1 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 3.5 0.6 0.8 0.6 0.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | (P) 3 * * * * * | B ** * * * * * * * * * * * * * * * * * | (W) 4 C * * * * * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 1.2 0.6 0.4 1.2 0.6 0.4 1.2 0.4 1.2 0.6 1.2 1.2 0.4 1.2 1.2 0.4 1.2 1.2 0.4 1.2 1.2 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 1.2 0.4 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 | C FDF 1-R 2 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 22 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 25 4 36 50 52 54 56 56 56 56 56 56 56 56 56 56 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/E> SPACE SPACE 2 RCPTS 3 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 6 RCPTS 6 RCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 3 QRCPTS 3 QRCPTS SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE |
| ANEL-LR2 DCATION- LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 4 RCPTS 4 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 2 ACCESS PS ACCESS PS ACCESS PS ACCESS PS ACCESS PS IWH-4 FACP TC-L2 LIGHTING SPACE SPACE SPACE SPACE SPACE SPACE | | AMP L 225 I 1 I 3 I 5 I 7 I 9 I 11 I 13 I 14 I 23 I 241 I 233 I 33 I 33 I 33 I 33 I 33 I 33 I 41 I 43 I 43 I 43 I 55 I 57 I | UGS MLO OAD XVA 1.1 1.2 1 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 3.5 0.8 0.2 0.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#10, 1#10G,3/4"C 2#10, 1#10G,3/4"C 2#10, 1#10G,3/4"C 2#12, 1#12G,1/2"C - - - - - - - - - - | (P) 3 * * * * * | B * * * * * * * * * * * * * * * * * * * | (W) 4 C * * * * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 0.4 0.4 1.2 1.2 0.6 0.4 1.2 1.2 1.2 0.6 0.4 1.2 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 | C FDF 1-R 2 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 55 55 55 55 55 55 55 55 55 5 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE SPACE 2 RCPTS 3 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 3 QRCPTS SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE |
| ANEL-LR2 OCATION- LOAD SERVED LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE SPACE 6 RCPTS 1.) E.D.F. 1 RCPT 3 RCPTS 4 RCPTS 4 RCPTS 6 RCPTS 5 RCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 2 ACCESS PS ACCESS PS ACCESS PS IWH-4 FACP TC-L2 LIGHTING SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE | | AMP L 225 1 1 3 5 2 7 2 9 1 13 2 11 3 13 1 13 1 13 2 11 2 12 2 21 2 23 2 24 2 33 3 341 3 43 4 43 4 47 4 49 5 55 7 557 5 57 5 57 5 | LUGS MLO OAD KVA 1.1 1.2 1 1.2 1.2 0.4 0.6 0.8 1.2 1 0.6 0.8 1.2 1 0.6 1.5 1.2 2.4 2.4 3.5 0.6 0.8 0.6 0.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#10, 1#10G,3/4"C 2#10, 1#10G,3/4"C 2#112, 1#12G,1/2"C 2#12, 1#12G,1/2"C - - - - - - - - - | (P) 3 * * * * * | B ** * * * * * * * * * * * * * * * * * | (W) 4 C * * * * * * * * * * * * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C - - - - - - - - - - - - - | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 1.2 0.6 0.4 1.2 0.4 1.2 0.6 0.4 1.2 1.2 0.6 1.2 1.2 0.4 1.2 1.2 0.4 1.2 1.2 0.4 1.2 1.2 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 1.2 0.4 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 0.4 1.2 1.2 0.4 1.2 0.4 1.2 0.4 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 | C FDF 1-R 2 2 4 6 8 10 12 14 16 18 20 22 24 14 16 18 20 22 24 26 28 30 22 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 56 58 56 58 58 58 58 58 58 58 58 58 58 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE SPACE 2 RCPTS 3 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 6 RCPTS 6 RCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 3 QRCPTS 3 QRCPTS 3 QRCPTS 5 PACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE |
| ANEL-LR2 OCATION- LOAD SERVED LIGHTING LIGHTING LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING EXTERIOR LIGHTING SPACE 6 RCPTS 3 RCPT 3 RCPT 3 RCPT 3 RCPT 3 RCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 3 CRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 1 RCPT 2 ACCESS PS 3 CRCPTS 3 CRCPTS 5 RCPTS 3 CRCPTS 5 RCPTS 5 | | AMP L 225 1 225 1 1 1 3 5 7 9 1 1 3 5 7 1 9 1 13 1 13 1 13 1 13 1 13 1 13 1 13 1 14 1 23 2 24 1 33 1 33 1 33 1 33 1 33 1 33 1 41 1 43 1 443 1 447 1 53 1 54 1 55 1 54 1 43 1 | LUGS MLO OAD KVA 1.1 1.2 1.2 1.2 1.2 0.4 0.6 0.8 1.2 1.2 0.4 0.6 0.8 1.2 1.2 2.4 2.4 2.4 3.5 0.6 0.2 0.2 | NEMA 1 BKR SIZE 20 20 20 20 20 20 20 20 20 20 | V(LL) 208 POLE 1 | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#10, 1#10G,3/4"C 2#10, 1#10G,3/4"C 2#12, 1#12G,1/2"C - - - - - - - - - - - <t< td=""><td>(P) 3 * * * * *</td><td>B * * * * * * * * * * * * * * * * * * *</td><td>(W) 4 C * * * * * * * * * * * * * * * * * *</td><td>FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C </td><td>V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>MNT SUR. SUZE 20 20 20 20 20 20 20 20 20 20 20 20 20</td><td>KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 1.5 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 0.4 1.2 1.2 0.6 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4</td><td>C FDF 1-R 2 C K 4 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 222 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 56 55 54 56 58 60 62 27 54 56 58 50 52 54 56 58 50 52 54 56 56 58 50 52 54 56 57 57 57 57 57 57 57 57 57 57</td><td></td><td>#4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE SPACE 2 RCPTS 3 RCPTS 3 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 5 PACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE</td></t<> | (P) 3 * * * * * | B * * * * * * * * * * * * * * * * * * * | (W) 4 C * * * * * * * * * * * * * * * * * * | FEEDER/BRANCH CIRCUIT SIZE 2#12, 1#12G,1/2"C 2#12, 1#12G,1/2"C | V(LN) 120 POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 | MNT SUR. SUZE 20 20 20 20 20 20 20 20 20 20 20 20 20 | KAI0 10 LOA KV/ 1.2 1.2 0.6 1.5 0.4 0.4 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 1.5 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 1.2 1.2 0.6 0.4 0.4 1.2 1.2 0.6 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 | C FDF 1-R 2 C K 4 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 222 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 28 30 32 24 26 56 55 54 56 58 60 62 27 54 56 58 50 52 54 56 58 50 52 54 56 56 58 50 52 54 56 57 57 57 57 57 57 57 57 57 57 | | #4/0, 1#4G, 3"C LOAD SERVED LIGHTING EXTERIOR LIGHTI EMERGENCY/EX SPACE SPACE 2 RCPTS 3 RCPTS 3 RCPTS 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 3 QRCPTS 5 PACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE |

* 17 14 11 KVA/PHASE

(KVA) - DESCRIPTIVE LOADS

10 - LIGHTING

0 - COOLING

0 - HEATING 0 - MOTOR

0 - KITCHEN 4 - OTHER

28 - RECEPTACLES

total amps NOTES: 1) PROVIDE GFI BREAKER.

LOADS

CONNECTED LOAD

TOTAL LOAD

RESERVE - %

- (KVA)

- 42

25 10 - **52**

- 145

| NAME | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|--------------------------|---|---------------------------------------|--|---|----------|---|--|--|--|--|---|---|---|--|--|--|---|
| | INS LACH, | PANEL-LR1 | AMP LUGS NEA | MA V(LL) | | (P) | (₩) | | V(LN) MI | IT KAIC F | DR | PANEL-LR1 | AMP LUGS | NEMA V(LL | | (P) (W |) | V(I | ln) mnt ka | IC FDR | |
| | MIL, 1#4/OG, 4"C | LOCATION- | 400 MLO 1 | 208 | | 3 | 4 | | 120 SU | R. 10 1 | -RUN 4#350KCMIL, 1#3G,4"C | LOCATION- | 400 MLO | 1 208 | | 3 4 | | 12 | 20 SUR. 10 |) 1-RUN 4‡ | 350KCMIL, 1#3G,4"C |
| | LOAD | LOAD | CKT LOAD BK | R POLE | FEEDER/BRANCH CIRCUIT | | FE | EDER/BRANCH CIRCUIT | POLE BK | RLOAD | CKT LOAD | LOAD | CKT LOAD | BKR POLI | FEEDER/BRANCH CIRCUIT | | FEEDER/BRANC | CH CIRCUIT PC | DLE BKR LOA | AD CKT | LOAD |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | SERVED | SERVED | # KVA SIZ | ΣE | SIZE | A B | 3 C | SIZE | SIZ | E KVA | # SERVED | SERVED | # KVA | SIZE | SIZE | A B C | SIZE | | SIZE KV | <u>A #</u> | SERVED |
| Note: Note: <th< td=""><td>SPACE</td><td>LIGHTING</td><td>1 1.5 20</td><td>D 1</td><td>2#10, 1#10G,3/4"C</td><td>*</td><td></td><td>2#10, 1#10G,3/4"C</td><td>1 20</td><td>) 1.3</td><td>2 LIGHTING</td><td>FIRE SPRINKLER</td><td>43 0.6</td><td>20 1</td><td>2#12, 1#12G,1/2"C</td><td>*</td><td>2#10, 1#100</td><td>G,3/4"C</td><td>1 20 1</td><td>44</td><td>1 QCRCPT</td></th<> | SPACE | LIGHTING | 1 1.5 20 | D 1 | 2#10, 1#10G,3/4"C | * | | 2#10, 1#10G,3/4"C | 1 20 |) 1.3 | 2 LIGHTING | FIRE SPRINKLER | 43 0.6 | 20 1 | 2#12, 1#12G,1/2"C | * | 2#10, 1#100 | G,3/4"C | 1 20 1 | 44 | 1 QCRCPT |
| | SPACE | LIGHTING | 3 1.1 20 | 0 1 | 2#10, 1#10G,3/4"C | * | • | 2#12, 1#12G,1/2"C | 1 20 |) 1.2 | 4 LIGHTING | 2 RCPTS | 45 1 | 20 1 | 2#12, 1#12G,1/2"C | * | 2#10, 1#100 | G,3/4"C | 1 20 1 | 46 | 1 QCRCPT |
| 1912 | SPACE | LIGHTING | 5 0.7 20 | | 2#12, 1#12G,1/2"C | | * | 2#10, 1#10G,3/4"C | 1 20 |) 1.1 | 6 LIGHTING | GARAGE DOOR | 47 2.5 | 30 2 | 3#10, 1#10G,3/4"C | * | 2#12, 1#120 | G,1/2"C | 1 20 0. | 4 48 | |
| | PANEL-LR2 | LIGHTING | / 1.4 20 | | 2#12, 1#12G,1/2°C | * | | 2#10, 1#10G,3/4"C | 1 20 |) 1.2 | | | 49 2.5 | | - | * | 2#12,1#120 | G,1/2"C | 1 20 0.3 | 3 50 | |
| | | | 9 1 20 | | 2#12, 1#12G,1/2°C | ^ | ` | 2#12, 1#12G,1/2°C | 1 20 |) 1.5 | | SURVEILLANCE | 51 1 | 20 1 | 2#10, 1#10G,3/4°C | ^ | 2#12,1#120 | G,1/2°C | 1 20 0.3 | 3 52 | 2 QCRCPIS |
| | | SPACE | | | - | * | т | - | 1 0 | | 12 SPACE | | 53 0.8 | 20 1 | 2#12, 1#12G,1/2°C | * | 2#10, 1#100 | G,3/4°C | 1 25 2. | 4 54 | ACCESS PS |
| | SPACE | | 13 0.8 20 | | 2#12, 1#12G,1/2C | * | | 2#10, 1#10G,3/4 C | | 0.4 | 14 2 RCPIS | GARAGE DOOR | 55 2.5 | 30 2 | 3#10, 1#10G,374 C | * | 2#10, 1#100 | G,3/4 C | 1 25 2. [.] | 4 56 | |
| | SPACE | 1.) E.D.F. | | | 2#10, 1#10G,3/4 C | | * | - | 1 00 | | | | 57 2.5 | 05 1 | - | * | 2#8, 1#100 | 5,3/4 C | 1 25 2. | 4 38 | ACCESS PS |
| And to the set of the set o | SPACE | | | | 2#10, 1#10G,3/4°C | * | | 2#10, 1#10G,3/4C | | | | | 41 0.4 | 20 1 | 2#8, 1#100,3/4 C | * | 2#8, 1#100 | 2,3/4°C | 1 20 0 | 7 42 | ACCESS FS |
| | SPACE | | | | 2#10, 1#10G,3/4 C | * | د د | 2#12,1#12G,1/2°C | |) 12 | 20 4 CRCPTS | | 43 | 20 1 | 2#12, 1#120,1/2 C | * | 2#10,1#100 | G 3/4"C | 1 20 0. | 7 64 | EF-7 |
| | SPACE | 6 RCPTS | 23 12 2 | | 2#12_1#12G_1/2"C | | * | 2#12_1#12G_1/2"C | 1 20 | 1.2 | 22 <u>6 RCPTS</u> | SPACE | 65 | | _ | * | 2//10,1//100 | 0,3/4 C | 1 20 0. | 66 | |
| Norm | SPACE | 6 CRCPTS | 25 1.2 20 | $\frac{1}{2}$ | 2#12,1#12G,1/2"C | * | | 2#12, 1#12G,1/2"C | 1 20 |) 1 | 26 5 RCPTS | SPACE | 67 | | _ | * | _ | | | 68 | SPACE |
| | SPACE | 4 CRCPTS | 27 0.8 2 | 2 1 | 2#12.1#12G,1/2"C | * | ¢ | 2#12, 1#12G,1/2"C | 1 20 | 0.6 | 28 3 RCPTS | CP-1 | 69 1 | 20 1 | 2#12.1#12G.1/2"C | * | _ | | | 70 | SPACE |
| LAN LAN <thlan< th=""> <thlan< th=""> <thlan< th=""></thlan<></thlan<></thlan<> | SPACE | 4 RCPTS | 29 0.8 21 | D 1 | 2#12, 1#12G,1/2"C | | * | 2#10, 1#10G,3/4"C | 1 20 |) 1.2 | 30 6 RCPTS | HAND DRYER | 71 2.3 | 25 1 | 2#10, 1#10G,3/4"C | * | - | | | 72 | SPACE |
| | SPACE | 3 RCPTS | 31 0.6 21 | 2 1 | 2#10, 1#10G,3/4"C | * | | 2#10, 1#10G,3/4"C | 1 20 | 0.4 | 32 1 RCPT | HAND DRYER | 73 2.3 | 25 1 | 2#10, 1#10G,3/4"C | * | - | | | 74 | SPACE |
| $ \frac{1}{100} \\ \frac{1}{10} \\ \frac{1}{10$ | SPACE | 1 RCPT | 33 0.4 21 | D 1 | 2#10, 1#10G,3/4"C | * | : | 2#10, 1#10G,3/4"C | 1 20 | 1.2 | 34 1 RCPT | TC-L1 | 75 0.6 | 20 1 | 2#12, 1#12G,1/2"C | * | - | | | 76 | SPACE |
| Trip | SPACE | 1 RCPT | 35 1.2 20 | D 1 | 2#10, 1#10G,3/4"C | | * | 2#12, 1#12G,1/2"C | 1 20 | 0.4 | 36 2 RCPTS | FLAG LIGHTING | 77 0.6 | 20 1 | 2#10, 1#10G,3/4"C | * | - | | | 78 | SPACE |
| NUM (NOM) I <thi< th=""> I</thi<> | EXISTING | 1.) E.D.F. | 37 1.2 20 | D 1 | 2#12, 1#12G,1/2"C | * | | 2#12, 1#12G,1/2"C | 1 20 | 1 | 38 2 RCPTS | PARKING LIGHTING | 79 0.4 | 20 1 | 2#10, 1#10G,3/4"C | * | - | | 1 20 | 80 | SPARE |
| · | PANEL-A | 2 RCPTS | 39 1 20 | D 1 | 2#10, 1#10G,3/4"C | * | ¢ | 2#10, 1#10G,3/4"C | 1 20 | 0.8 | 40 4 RCPTS | SPARE | 81 | 20 1 | | * | | | 1 20 | 82 | SPARE |
| National Note Extrational Note Extrational Note Not | 11 | 2 CRCPTS | 41 0.4 20 | D 1 | 2#12, 1#12G,1/2"C | | * | 2#12, 1#12G,1/2"C | 1 20 |) 1 | 42 1 RCPT | SPARE | 83 | 20 1 | | * | - | | 1 20 | 84 | SPARE |
| | IPTIVE LOADS | LOADS | - (KVA) | | | 27 24 | 4 24 | | | (KVA) | - DESCRIPTIVE LOADS | LOADS | - (KVA) | | | 13 11 13 | | | (KV | 'A) - <u>DE</u> | CRIPTIVE LOADS |
| | | CONNECTED LOAD | - 75 | | | KVA/P | PHASE | | | 13 | - LIGHTING | CONNECTED LOAD | - 37 | | | KVA/PHASE | - | | 1 | - LIG | HTING |
| d | ACLES | RESERVE | 25 19 | | | | - | | | 57 | - RECEPTACLES | RESERVE | 0 0 | | - | | | | 32 | 2 - REC | EPTACLES |
| | NG | TOTAL LOAD | - 93 | | | | | | | 0 | - COOLING | TOTAL LOAD | - 37 | | | | | | 0 | / - CO | OLING |
| Image: Definition of the set of the se | G | | 259 | | | | | | | 0 | - HEATING | | 102 | 1 | | | | | 0 | - HEA | IING |
| | | NOTES: | - 237 | | | | | | | 5 | - Other | NOTES: | - 103 | | | | | | 5 | - OIF | |
| | | 1) PROVIDE GFI BREAKER | R. | | | | | | | | | 1) FEED THRU LUGS | | | | | | | | | |
| | | 2) | | | | | | | | | | 2) | | | | | | | | | |
| | | 3) | | | | | | | | | | 3) | | | | | | | | | |
| Alternation | | | | | | | | | | | | | | | | | | | | | |
| New matrix New mat | | | | | | | | | | | | | IAIE - E | <u>M</u> | | | | | | <u> </u> | |
| 64.72 0 | | PANEL-AC2 | amp lugs nf | EMA V(LL) | 1 | (P) | (₩) | | V(LN) N | INT KAIC | FDR | PANEL-AC1 | | amp lugs i | IEMA V(LL) | | (P) (W) | | V(LN) | MNT KAK | FDR: 2-RUNS EACH, |
| 10.0 0.0 0 <td>4G, 3"C</td> <td>LOCATION-</td> <td>200 MLO</td> <td>1 208</td> <td> </td> <td>3</td> <td>4</td> <td></td> <td>120 S</td> <td>JR. 18</td> <td>1-RUN 4#3/0, 1#6G, 2"C</td> <td>LOCATION-</td> <td></td> <td>800 MB</td> <td>1 208</td> <td></td> <td>3 4</td> <td></td> <td>120</td> <td>SUR. 22</td> <td>4#600KCMIL, 1#1/0G,4</td> | 4G, 3"C | LOCATION- | 200 MLO | 1 208 | | 3 | 4 | | 120 S | JR. 18 | 1-RUN 4#3/0, 1#6G, 2"C | LOCATION- | | 800 MB | 1 208 | | 3 4 | | 120 | SUR. 22 | 4#600KCMIL, 1#1/0G,4 |
| ABYA V | load | LOAD | CKT LOAD B | SKR POLE | FEEDER/BRANCH CIRCUIT | т | I I | FEEDER/BRANCH CIRCUIT | POLE B | kr load | CKT LOAD | LOA | AD. | CKT LOAD | BKR POLE FEEDER/BRANCH C | CIRCUIT | FEE | DER/BRANCH CIR | CUIT POLE | BKR LOA |) CKT LOAD |
| Disc Disc <thdis< th=""> Disc Disc <</thdis<> | SERVED | SERVED | # KVA S | SIZE | SIZE | A | B C | SIZE | S | IZE KVA | # SERVED | SERV | /ED | # KVA | SIZE SIZE | | A B C | SIZE | | SIZE KVA | . # SERVED |
| Data 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 <td< td=""><td></td><td>AHU-4</td><td>1 7.8 {</td><td>80 2</td><td>3#4, 1#8G,1 1/2"C</td><td>*</td><td></td><td>3#6, 1#10G,1"C</td><td>2</td><td>50 5</td><td>2 AHU-5</td><td>AHU</td><td>J-1</td><td>1 8.64</td><td>80 3 4#4, 1#8G,1 1/</td><td>2''C</td><td>*</td><td>3#1, 1#6G,2"C</td><td>3</td><td>125 14.2</td><td>2 AHU-2</td></td<> | | AHU-4 | 1 7.8 { | 80 2 | 3#4, 1#8G,1 1/2"C | * | | 3#6, 1#10G,1"C | 2 | 50 5 | 2 AHU-5 | AHU | J-1 | 1 8.64 | 80 3 4#4, 1#8G,1 1/ | 2''C | * | 3#1, 1#6G,2"C | 3 | 125 14.2 | 2 AHU-2 |
| All | | | 3 7.8 | | - | | * | - | | 5 | 4 " | | | 3 8.64 | | | * | - | | 14.2 | 4 " |
| Seeded Seeded <td></td> <td>CU-1</td> <td>5 4.3</td> <td>50 3</td> <td>4#6, 1#10G,1°C</td> <td></td> <td>Ť</td> <td>-</td> <td></td> <td></td> <td>6 SPACE</td> <td></td> <td></td> <td>5 8.64</td> <td>-</td> <td></td> <td>*</td> <td></td> <td></td> <td>14.2</td> <td></td> | | CU-1 | 5 4.3 | 50 3 | 4#6, 1#10G,1°C | | Ť | - | | | 6 SPACE | | | 5 8.64 | - | | * | | | 14.2 | |
| ABOL | SPACE | | | | 1 | | | | | | 0 00.005 | " | | | | <u> </u> | | | | | - 10 UH-1 |
| AMB I | SPACE | | 7 4.3 | | - | * | * | - | | (0 4 2 | 8 SPACE | AHU | J-3 | 7 7.8 | 80 2 3#4, 1#8G,1 1/ | 2"C | * | 3#10, 1#10G,3/4" | C 2 | 20 1.6 | |
| 1821 1 1 0 | 2 RCPTS | | 7 4.3 9 4.3 11 4.2 | 60 2 | | * | * | - 3#6, 1#10G,1"C | 2 | 60 4.3 | 8 SPACE 10 CU-4 | | J-3 | 7 7.8 9 7.8 | 80 2 3#4, 1#8G,1 1/ - | 2"C | * | 3#10, 1#10G,3/4" - /#8_1#10C_2/4" | C 2 | 20 1.6. | 12 \\\/LL 1 |
| 1 | | CU-3 | 7 4.3 9 4.3 11 4.3 13 4.2 | 60 2 | - - 3#6, 1#10G,1"C | * | * * | - 3#6, 1#10G,1"C - 3#10_1#10C_2/4"C | 2 | 60 4.3 4.3 | 8 SPACE 10 CU-4 12 " 14 ECCU-1 | AHL | CE | 7 7.8 9 7.8 11 13 | 80 2 3#4, 1#8G,1 1/ - - | 2"C | * | 3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(| C 2 C 3 | 20 1.6 1.6 1.6 40 3.3 | 12 WH-1 |
| Normal Normal <td>3 RCPTS</td> <td>CU-3 "</td> <td>7 4.3 9 4.3 11 4.3 13 4.3 15 2.5</td> <td>60 2</td> <td></td> <td>*</td> <td>* · · · · · · · · · · · · · · · · · · ·</td> <td>- 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C</td> <td>2</td> <td>60 4.3 4.3 20 1.6</td> <td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 "</td> <td>AHU " SPA SPA</td> <td>J-3 CE CE</td> <td>7 7.8 9 7.8 11 13 15 1.4</td> <td>80 2 3#4, 1#8G,1 1/ - - - 20 2 3#10 1#100 24</td> <td>2"C</td> <td>*</td> <td>3#10, 1#10G,3/4" - 4#8, 1#10G,3/4"C -</td> <td>C 2 C 3</td> <td>20 1.6. 1.6. 3.3 3.3 3.3</td> <td>12 WH-1 14 "</td> | 3 RCPTS | CU-3 " | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 | 60 2 | | * | * · · · · · · · · · · · · · · · · · · · | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C | 2 | 60 4.3 4.3 20 1.6 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " | AHU " SPA SPA | J-3 CE CE | 7 7.8 9 7.8 11 13 15 1.4 | 80 2 3#4, 1#8G,1 1/ - - - 20 2 3#10 1#100 24 | 2"C | * | 3#10, 1#10G,3/4" - 4#8, 1#10G,3/4"C - | C 2 C 3 | 20 1.6. 1.6. 3.3 3.3 3.3 | 12 WH-1 14 " |
| Image | 3 RCPTS 1 RCPT | CU-3 " CU-5 | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 | 60 2 35 2 | - | * | * | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3_1/8G_1_5"C | 2 | 4.3 4.3 20 1.6 1.6 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 | AHL " SPA SPA FCC | J-3 CE CE U-2 | 7 7.8 9 7.8 11 13 15 1.6 17 1.4 | 80 2 3#4, 1#8G,1 1/ - - - - 20 2 3#10, 1#10G,3/ | 2"C /4"C | * | 3#10, 1#10G,3/4" - 4#8, 1#10G,3/4"C - - 2#10, 1#10G,3/4" | C 2 C 3 | 20 1.6. 1.6. 3.3 3.3 3.3 25 2.4 | 12 WH-1 14 " 16 " 18 IM/H 1 |
| Incri | 3 RCPTS 1 RCPT 6 RCPTS | CU-3 " CU-5 " \$PACE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 19 | 60 2 35 2 | - - - - - - - - - - - - - - - - | * * * * * * | Image: | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C | 2 2 3 | 50 4.3 4.3 4.3 20 1.6 1.6 20 8 8 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " | | J-3 CE CE U-2 CE | 7 7.8 9 7.8 11 13 13 15 15 1.6 17 1.6 19 10 | 80 2 3#4, 1#8G,1 1/ - - - - 20 2 3#10, 1#10G,3/ - - - 20 2 3#10, 1#10G,3/ | 2"C '4"C | * | 3#10, 1#10G,3/4"0 - 4#8, 1#10G,3/4"0 - - 2#10, 1#10G,3/4"0 - | C 2 C 3 C 1 | 20 1.6. 40 3.3 3.3 3.3 25 2.4 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE |
| 2220273 3 4 - 4 4 - 4 5 300273 1002715 33402 2 - 4 4 - 4 4 28 39A22 1002715 33402 2 - 4 4 - 4 4 28 39A22 1002715 33402 3 - - 4 4 - 4 4 - 4 4 - 1002715 33402 - - 4 4 - 4 4 - 4 4 - 1002715 33402 - - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - 4 4 - - 4 4 - | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS | CU-3 " CU-5 " SPACE SPACE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 21 | 60 2 35 2 | - - - - - - - - - - - - | * * * * * * | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - | 2 2 3 | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " | AHU AHU SPA | J-3 CE CE U-2 CE CE CE | 7 7.8 9 7.8 11 13 15 1.6 17 1.6 19 21 | 80 2 3#4, 1#8G,1 1/ - - - - 20 2 3#10, 1#10G,3/ - - - 20 2 3#10, 1#10G,3/ - - - - - - - - - - - - | 2"C | * | 3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - | C 2 C 3 C 1 | 20 1.6 40 3.3 3.3 3.3 25 2.4 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE |
| 308CPT3 1 </td <td>3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS</td> <td>CU-3 " CU-5 " SPACE SPACE SPACE</td> <td>7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 21 23 23</td> <td>60 2 35 2</td> <td>- - - - - - - - - - - - - -</td> <td>* * * * * * * * * * * *</td> <td></td> <td>- 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - -</td> <td>2 2 3</td> <td>50 4.3 4.3 20 1.6 1.6 20 8 8 8</td> <td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE</td> <td></td> <td>J-3 CE CE U-2 CE CE L-3</td> <td>7 7.8 9 7.8 11 </td> <td>80 2 3#4, 1#8G,1 1/ - - - - 20 2 3#10, 1#10G,3/ - - - 20 2 3#10, 1#10G,3/ - - - 25 1 2#10, 1#10G,3/</td> <td>2"C (4"C</td> <td>* </td> <td>3#10, 1#10G,3/4"0 - 4#8, 1#10G,3/4"0 - - 2#10, 1#10G,3/4"0 - - 2#10, 1#10G.3/4"0</td> <td>C 2 C 3 C 1 C 1 C 1</td> <td>20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4</td> <td>12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2</td> | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS | CU-3 " CU-5 " SPACE SPACE SPACE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 21 23 23 | 60 2 35 2 | - - - - - - - - - - - - - - | * * * * * * * * * * * * | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - | 2 2 3 | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE | | J-3 CE CE U-2 CE CE L-3 | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G,1 1/ - - - - 20 2 3#10, 1#10G,3/ - - - 20 2 3#10, 1#10G,3/ - - - 25 1 2#10, 1#10G,3/ | 2"C (4"C | * | 3#10, 1#10G,3/4"0 - 4#8, 1#10G,3/4"0 - - 2#10, 1#10G,3/4"0 - - 2#10, 1#10G.3/4"0 | C 2 C 3 C 1 C 1 C 1 | 20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 |
| 11 COT 11 COT 1 <td< td=""><td>3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS</td><td>CU-3 " CU-5 " SPACE SPACE SPACE SPACE</td><td>7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 21 23 25</td><td>60 2 35 2</td><td>- - - - - - - - - - - - - - - - - - -</td><td></td><td></td><td>- 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - -</td><td></td><td>50 4.3 4.3 20 1.6 1.6 20 8 8 8</td><td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE</td><td></td><td>J-3 CE CE U-2 CE CE CE H-3 CE</td><td>7 7.8 9 7.8 11 </td><td>80 2 3#4, 1#8G, 1 // - - - - 20 2 3#10, 1#10G, 3/ - - 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/</td><td>2''C '4''C '4''C</td><td>* * * * * * * * * * * * </td><td>3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(-</td><td>C 2 C 3 C 1 C 1 C 1</td><td>20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4</td><td>12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE</td></td<> | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS | CU-3 " CU-5 " SPACE SPACE SPACE SPACE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 21 23 25 | 60 2 35 2 | - - - - - - - - - - - - - - - - - - - | | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE | | J-3 CE CE U-2 CE CE CE H-3 CE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // - - - - 20 2 3#10, 1#10G, 3/ - - 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ | 2''C '4''C '4''C | * * * * * * * * * * * * | 3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- | C 2 C 3 C 1 C 1 C 1 | 20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE |
| 1 M M 1 <td>3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS</td> <td>CU-3 " CU-5 " SPACE SPACE SPACE SPACE SPACE</td> <td>7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 21 23 25 27 27</td> <td>60 2 35 2</td> <td>- - - - - - - - - - - - - - - - - - -</td> <td></td> <td></td> <td>- 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - -</td> <td>2 2 3 3</td> <td>50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 8</td> <td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 28 SPACE</td> <td>AHU AHU SPA</td> <td>J-3 CE CE U-2 CE CE CE CE CE CE CE</td> <td>7 7.8 9 7.8 11 </td> <td>80 2 3#4, 1#8G, 1 // - - - - 20 2 3#10, 1#10G, 3/ - - 20 2 3#10, 1#10G, 3/ - - 25 1 2#10, 1#10G, 3/ - - 25 1 2#10, 1#10G, 3/</td> <td>2"C (4"C (4"C</td> <td>* </td> <td>3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- - - 2#10, 1#10G,3/4"(</td> <td>C 2 C 3 C 1 C 1 C 1</td> <td>20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4</td> <td>12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 28 SPACE</td> | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS | CU-3 " CU-5 " SPACE SPACE SPACE SPACE SPACE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 21 23 25 27 27 | 60 2 35 2 | - - - - - - - - - - - - - - - - - - - | | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - | 2 2 3 3 | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 8 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 28 SPACE | AHU AHU SPA | J-3 CE CE U-2 CE CE CE CE CE CE CE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // - - - - 20 2 3#10, 1#10G, 3/ - - 20 2 3#10, 1#10G, 3/ - - 25 1 2#10, 1#10G, 3/ - - 25 1 2#10, 1#10G, 3/ | 2"C (4"C (4"C | * | 3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- - - 2#10, 1#10G,3/4"(| C 2 C 3 C 1 C 1 C 1 | 20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 28 SPACE |
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| SPACE 35 0 <td>3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT</td> <td>CU-3 " CU-5 " SPACE SPACE SPACE SPACE SPACE SPACE SPACE</td> <td>7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 -</td> <td>60 2 35 2 </td> <td>- - - - - - - - - - - - - - - - - - -</td> <td></td> <td></td> <td>- 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - - -</td> <td></td> <td>50 4.3 4.3 1.6 20 1.6 1.6 8 8 8 90 8 8 8 9 9 <tr< td=""><td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 28 SPACE 30 SPACE 32 SPARE</td><td>AHL AHL AHL AHL AHL AHL AHL AHL AHL AHL</td><td>J-3 CE CE U-2 CE CE CE CE CE CE CE RE</td><td>7 7.8 9 7.8 11 </td><td>80 2 3#4, 1#8G, 1 // - - - - 20 2 3#10, 1#10G, 3/ - - - 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 20 2 1</td><td>2"C 4"C (4"C</td><td>* * * * * * * * * * * * * * * * * </td><td>3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - - - - - - -</td><td>C 2 C 3 C 1 C 1 C 1 C 1</td><td>20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4</td><td>12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 28 SPACE 30 SPACE 32 SPARE</td></tr<></td> | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT | CU-3 " CU-5 " SPACE SPACE SPACE SPACE SPACE SPACE SPACE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 - | 60 2 35 2 | - - - - - - - - - - - - - - - - - - - | | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - - - | | 50 4.3 4.3 1.6 20 1.6 1.6 8 8 8 90 8 8 8 9 9 <tr< td=""><td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 28 SPACE 30 SPACE 32 SPARE</td><td>AHL AHL AHL AHL AHL AHL AHL AHL AHL AHL</td><td>J-3 CE CE U-2 CE CE CE CE CE CE CE RE</td><td>7 7.8 9 7.8 11 </td><td>80 2 3#4, 1#8G, 1 // - - - - 20 2 3#10, 1#10G, 3/ - - - 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 20 2 1</td><td>2"C 4"C (4"C</td><td>* * * * * * * * * * * * * * * * * </td><td>3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - - - - - - -</td><td>C 2 C 3 C 1 C 1 C 1 C 1</td><td>20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4</td><td>12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 28 SPACE 30 SPACE 32 SPARE</td></tr<> | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 28 SPACE 30 SPACE 32 SPARE | AHL | J-3 CE CE U-2 CE CE CE CE CE CE CE RE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // - - - - 20 2 3#10, 1#10G, 3/ - - - 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 20 2 1 | 2"C 4"C (4"C | * * * * * * * * * * * * * * * * * | 3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 | 20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 28 SPACE 30 SPACE 32 SPARE |
| REF. SPARE S7 Q | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT ACCESS PS | CU-3 " CU-5 " SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 - 33 - | 60 2 35 2 | - - - - - - - - - - - - - - - - - - - | | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - - - - - - - | | 50 4.3 4.3 4.3 20 1.6 1.6 1.6 20 8 8 8 90 8 90 8 90 10 <td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 30 SPACE 32 SPARE 34 SPARE</td> <td>AHU AHU AHU AHU AHU AHU AHU AHU AHU AHU</td> <td>J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE CE RE RE</td> <td>7 7.8 9 7.8 11 </td> <td>80 2 3#4, 1#8G, 1 // 9 2 3#4, 1#8G, 1 // 9 - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 25 1 2#10, 1#10G, 3/ 20 - - 20 - - 20 1 - 20 1 -</td> <td>2"C</td> <td>* * * * * * * * * * * * * * * * * * * * </td> <td>3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - - - -</td> <td>C 2 C 3 C 1 C 1 C 1 C 1</td> <td>20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4</td> <td>12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 28 SPACE 30 SPACE 32 SPARE 34 SPARE</td> | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 30 SPACE 32 SPARE 34 SPARE | AHU | J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE CE RE RE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // 9 2 3#4, 1#8G, 1 // 9 - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 25 1 2#10, 1#10G, 3/ 20 - - 20 - - 20 1 - 20 1 - | 2"C | * | 3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 | 20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 28 SPACE 30 SPACE 32 SPARE 34 SPARE |
| 3 GRCP1S SPARE 39 20 1 - 1 20 - 1 20 40 SPARE SPACE SPARE 41 20 1 - 1 20 40 SPARE SPACE SPARE 41 20 1 - 1 20 40 SPARE SPACE SPARE 41 20 1 - 1 20 40 SPARE SPACE SPARE 6 - - 24 24 20 SPARE SPACE SPACE - - 1 20 40 SPARE 1 20 24 20 24 20 SPACE SPACE - - - - DESCPITIVE LOADS - - 87 2 - - - 104 20 0 - - 0 0 - - 0 0 - - 0 0 - - 0 0 - - 0 0 - - 0 0 - - 0 0 - 0 - 0 - 0 - 0 - 0 | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT 1 RCPT ACCESS PS ACCESS PS | CU-3 " CU-5 " CU-5 " SPACE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 - 33 - 35 - | 60 2 35 2 | - - - - - - - - - - - - - - - - - - - | | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - - - - - - - | | 50 4.3 4.3 4.3 20 1.6 1.6 0 8 8 8 8 90 8 90 8 90 8 90 9 90 9 90 9 90 9 90 9 90 9 90 9 9 9 <td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 30 SPACE 32 SPARE 34 SPARE 36 SPARE</td> <td>AHU AHU SPAI SPAI SPAI FCC " SPAI SPAI SPAI SPAI SPAI SPAI SPAI SPAI SPAI SPAI SPAI</td> <td>J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE RE RE RE</td> <td>7 7.8 9 7.8 11 </td> <td>80 2 3#4, 1#8G, 1 // - - - 1 - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 25 1 2#10, 1#10G, 3/ 25 1 2#10, 1#10G, 3/ 20 - - 20 1 - 20 1 - 20 1 - 20 1 -</td> <td>2"C</td> <td>* </td> <td>3#10, 1#10G,3/4"(- - - - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - -</td> <td>C 2 C 3 C 1 C 1 C 1 C 1 C 1</td> <td>20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 25 2.4</td> <td>12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 36 SPARE</td> | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 30 SPACE 32 SPARE 34 SPARE 36 SPARE | AHU AHU SPAI SPAI SPAI FCC " SPAI SPAI SPAI SPAI SPAI SPAI SPAI SPAI SPAI SPAI SPAI | J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE RE RE RE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // - - - 1 - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 25 1 2#10, 1#10G, 3/ 25 1 2#10, 1#10G, 3/ 20 - - 20 1 - 20 1 - 20 1 - 20 1 - | 2"C | * | 3#10, 1#10G,3/4"(- - - - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 C 1 | 20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 25 2.4 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 36 SPARE |
| SPACE I <td>3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT ACCESS PS REF.</td> <td>CU-3 " CU-5 " CU-5 " SPACE SPACE</td> <td>7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 27 - 29 - 31 - 33 - 35 -</td> <td>60 2 35 2 </td> <td>- - - - - - - - - - - - - - - - - - -</td> <td></td> <td></td> <td>- 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - - - - - - -</td> <td></td> <td>50 4.3 4.3 4.3 20 1.6 1.6 1.6 20 8 8 8 90 8 9 9 100 100</td> <td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 30 SPACE 32 SPARE 34 SPARE 35 SPARE 36 SPARE</td> <td>AHL </td> <td>J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE RE RE RE RE</td> <td>7 7.8 9 7.8 11 </td> <td>80 2 3#4, 1#8G, 1 // I - - I - - 20 2 3#10, 1#10G, 3/ I - - 20 2 3#10, 1#10G, 3/ I - - 25 1 2#10, 1#10G, 3/ I - - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 200 3 AL. 4#250KCMIL, 1#</td> <td>2"C 4"C '4"C '4"C</td> <td>* </td> <td>3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - -</td> <td>C 2 C 3 C 1 C 1 C 1 C 1 G, 4"C 3</td> <td>20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27</td> <td>12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPACE 34 SPARE 36 SPARE 38 PANEL-LR</td> | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT ACCESS PS REF. | CU-3 " CU-5 " CU-5 " SPACE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 27 - 29 - 31 - 33 - 35 - | 60 2 35 2 | - - - - - - - - - - - - - - - - - - - | | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - - - - - - - | | 50 4.3 4.3 4.3 20 1.6 1.6 1.6 20 8 8 8 90 8 9 9 100 100 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 30 SPACE 32 SPARE 34 SPARE 35 SPARE 36 SPARE | AHL | J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE RE RE RE RE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // I - - I - - 20 2 3#10, 1#10G, 3/ I - - 20 2 3#10, 1#10G, 3/ I - - 25 1 2#10, 1#10G, 3/ I - - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 200 3 AL. 4#250KCMIL, 1# | 2"C 4"C '4"C '4"C | * | 3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 G, 4"C 3 | 20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPACE 34 SPARE 36 SPARE 38 PANEL-LR |
| SPACE LOADS - KVA 26 24 20 (KVA) (KVA) - DESCRIPTIVE LOADS SPACE CONNECTED LOAD - 57 KVA/PHASE 0 - LOADS - 57 KVA/PHASE 0 - LOADS - 57 KVA/PHASE 0 - LOADS 79 KVA/PHASE 0 - LOADS 70 - 10 - CONNECTED LOAD 70 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 <td>3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT ACCESS PS ACCESS PS REF. 3 QRCPTS</td> <td>CU-3 " CU-5 " CU-5 " SPACE SPARE SPARE</td> <td>7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 - 33 - 35 - 37 - 39 -</td> <td>60 2 35 2 </td> <td>- - - - - - - - - - - - - - - - - - -</td> <td></td> <td></td> <td>- 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - -</td> <td></td> <td>50 4.3 4.3 4.3 20 1.6 1.6 1.6 20 8 8 8 8 8 9 9 9 9 9 9 9 9 20 9 20 9</td> <td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 30 SPACE 32 SPARE 34 SPARE 36 SPARE 38 SPARE 40 SPARE</td> <td>AHU " SPA SPA FCC " SPA FCC " SPA FCC " SPA SPA</td> <td>J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE RE RE RE RE C2</td> <td>7 7.8 9 7.8 11 </td> <td>80 2 3#4, 1#8G, 1 // 9 2 3#4, 1#8G, 1 // 9 - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 1 - 25 1 2#10, 1#10G, 3/ 25 1 2#10, 1#10G, 3/ 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 3 ALL 4#250KCMIL, 1#</td> <td>2"C (4"C (4"C (4"C (4"C)</td> <td>* </td> <td>3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - -</td> <td>C 2 C 3 C 1 C 1 C 1 C 1 G, 4''C 3</td> <td>20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 300 27 24 24</td> <td>12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPACE 34 SPARE 36 SPARE 38 PANEL-LR 40 "</td> | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT ACCESS PS ACCESS PS REF. 3 QRCPTS | CU-3 " CU-5 " CU-5 " SPACE SPARE SPARE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 - 33 - 35 - 37 - 39 - | 60 2 35 2 | - - - - - - - - - - - - - - - - - - - | | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 4.3 20 1.6 1.6 1.6 20 8 8 8 8 8 9 9 9 9 9 9 9 9 20 9 20 9 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 30 SPACE 32 SPARE 34 SPARE 36 SPARE 38 SPARE 40 SPARE | AHU " SPA SPA FCC " SPA FCC " SPA FCC " SPA | J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE RE RE RE RE C2 | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // 9 2 3#4, 1#8G, 1 // 9 - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 1 - 25 1 2#10, 1#10G, 3/ 25 1 2#10, 1#10G, 3/ 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 3 ALL 4#250KCMIL, 1# | 2"C (4"C (4"C (4"C (4"C) | * | 3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 G, 4''C 3 | 20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 300 27 24 24 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPACE 34 SPARE 36 SPARE 38 PANEL-LR 40 " |
| SPACE CONNECTED LOAD - 57 KVA/PHASE 0 - LGHTING 0 - 253 KVA/PHASE 0 - RESERVE 0 - LGHTING SPACE 57 TOTAL LOAD - 7 - CONNECTED LOAD - 253 KVA/PHASE 0 - RESERVE 0 - RESERVE 0 0 0 0 | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT ACCESS PS ACCESS PS REF. 3 QRCPTS SPACE | CU-3 " CU-5 " CU-5 " SPACE SPARE SPARE SPARE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 - 33 - 37 - 39 - 41 - | 60 2 35 2 | - - - - - - - - - - - - - - - - - - - | | Image: Constraint of the sector of | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 4.3 20 1.6 1.6 1.6 20 8 8 8 9 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 20 1 20 1 20 1 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 30 SPACE 32 SPARE 34 SPARE 36 SPARE 38 SPARE 40 SPARE | | J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE RE RE RE RE 22 | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // - - - - 20 2 3#10, 1#10G, 3/ - - 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 20 1 - 20 1 - 20 1 - 20 1 - 200 3 AL. 4#250KCMIL, 1# - - - - - - | 2"C (4"C (4"C (4"C (4"C (4"C) | * | 3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 G, 4'C 3 | 20 1.6 40 3.3 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 300 27 24 24 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 36 SPARE 38 PANEL-LR* 40 " 42 " |
| SPACE 0 <td>3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT ACCESS PS ACCESS PS REF. 3 QRCPTS SPACE SPACE</td> <td>CU-3 " CU-5 " SPACE SPARE SPARE LOADS</td> <td>7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 21 23 25 27 29 31 33 35 37 39 2 41 2</td> <td>60 2 35 2 </td> <td>- - 3#6, 1#10G,1"C - - 3#8, 1#10G,3/4"C - - - - - - - - - - - - - - - - - - -</td> <td>* * * * * * * * * * * * *</td> <td></td> <td>- 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C</td> <td></td> <td>50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 17 CU-2 18 CU-2 20 " 22 " 24 SPACE 25 SPACE 26 SPACE 30 SPACE 31 SPARE 32 SPARE 34 SPARE 35 SPARE 36 SPARE 37 SPARE 38 SPARE 40 SPARE 42 SPARE 42 SPARE 42 SPARE</td> <td></td> <td>J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE CE CE CE CE</td> <td>7 7.8 9 7.8 11 </td> <td>80 2 3#4, 1#8G, 1 1/ - - - - 20 2 3#10, 1#10G, 3/ - - 20 2 3#10, 1#10G, 3/ - - - 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 200 3 AL. 4#250KCMIL, 1# 4 - - - - -</td> <td>2"C (4"C (4"C (4"C (4"C</td> <td>* 89 85 </td> <td>3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - -</td> <td>C 2 C 3 C 1 C 1 C 1 C 1 G, 4"C 3</td> <td>20 1.6 1.6 40 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 300 27 24 (KVA</td> <td>12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 38 PANEL-LR 40 " 42 "</td> | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT ACCESS PS ACCESS PS REF. 3 QRCPTS SPACE SPACE | CU-3 " CU-5 " SPACE SPARE SPARE LOADS | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 21 23 25 27 29 31 33 35 37 39 2 41 2 | 60 2 35 2 | - - 3#6, 1#10G,1"C - - 3#8, 1#10G,3/4"C - - - - - - - - - - - - - - - - - - - | * * * * * * * * * * * * * | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 17 CU-2 18 CU-2 20 " 22 " 24 SPACE 25 SPACE 26 SPACE 30 SPACE 31 SPARE 32 SPARE 34 SPARE 35 SPARE 36 SPARE 37 SPARE 38 SPARE 40 SPARE 42 SPARE 42 SPARE 42 SPARE | | J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE CE CE CE CE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 1/ - - - - 20 2 3#10, 1#10G, 3/ - - 20 2 3#10, 1#10G, 3/ - - - 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 200 3 AL. 4#250KCMIL, 1# 4 - - - - - | 2"C (4"C (4"C (4"C (4"C | * 89 85 | 3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 G, 4"C 3 | 20 1.6 1.6 40 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 300 27 24 (KVA | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 38 PANEL-LR 40 " 42 " |
| space 1 fotal LoAD 1 | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT ACCESS PS ACCESS PS REF. 3 QRCPTS SPACE SPACE SPACE | CU-3 " CU-5 " CU-5 " SPACE SPARE SPARE SPARE LOADS CONNECTED LOAD | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 17 2.5 19 - 23 - 25 - 27 - 29 - 31 - 33 - 35 - 37 - 39 - 41 - - (KVA) - - - - - - - - | 60 2 35 2 | - - - - - - - - - - - - - - - - - - - | * * * * * * * * * * * * * * * * * * * | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 17 CU-2 20 " 22 " 24 SPACE 26 SPACE 28 SPACE 30 SPACE 32 SPARE 34 SPARE 36 SPARE 38 SPARE 40 SPARE 42 SPARE 42 SPARE 43 LIGHTING | | J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE CE CE CE CE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // 9 2 3#4, 1#8G, 1 // 9 1 - 20 2 3#10, 1#10G, 3/ 9 2 3#10, 1#10G, 3/ 9 2 3#10, 1#10G, 3/ 9 1 - 25 1 2#10, 1#10G, 3/ 9 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 3 AL. 4#250KCMIL, 1# 200 3 AL. 4#250KCMIL, 1# | 2"C (4"C (4"C :4G, 3"C | * | 3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 | 20 1.6 1.6 40 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 24 24 (KVA 0 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 38 PANEL-LR' 40 " 42 ") - DESCRIPTIVE LOAD - LIGHTING |
| space 107 a MPS 197 197 107 a MPS 197 107 a MPS 107 a | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT ACCESS PS REF. 3 QRCPTS SPACE SPACE SPACE SPACE | CU-3 " CU-5 " CU-5 " SPACE SPARE SPARE LOADS CONNECTED LOAD RESERVE | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 - 33 - 37 - 39 - 41 - - - 57 - 25 - 27 - 29 - 31 - 32 - 33 - 37 - 25 - | 60 2 35 2 | - - 3#6, 1#10G,1"C - - 3#8, 1#10G,3/4"C - - - - - - - - - - - - - - - - - - - | * * * * * * * * * * * * * * * * * * * | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 25 SPACE 26 SPACE 30 SPACE 31 SPARE 32 SPARE 34 SPARE 35 SPARE 36 SPARE 38 SPARE 40 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE 44 SPARE 45 SPARE 46 SPARE 47 SPARE 48 SPARE 49 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE | AHU | J-3 CE CE U-2 CE CE CE CE CE CE CE CE CE CE CE CE CE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // - - - - 20 2 3#10, 1#10G, 3/ - - 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 20 1 - 20 1 - 20 1 - 20 1 - 200 3 AL. 4#250KCMIL, 1# - - - - - - | 2"C | * | 3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 | 20 1.6 1.6 40 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 300 27 24 (KVA 0 0 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 36 SPARE 38 PANEL-LR 40 " 42 ") - DESCRIPTIVE LOAE - LIGHTING - RECEPTACLES |
| SPACE IOTAL AMPS IOTAL AMPS IOTAL AMPS IOTAL AMPS IOTAL AMPS 92 OTHER SPACE NOTES: II III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT ACCESS PS REF. 3 QRCPTS SPACE SPACE SPACE SPACE SPACE | CU-3 " CU-5 " CU-5 " SPACE SPARE SPARE SPARE CONNECTED LOAD RESERVE TOTAL LOAD | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 - 33 - 35 - 37 - 39 - - (KVA) - - - 71 | 60 2 35 2 | - - 3#6, 1#10G,1"C - 3#8, 1#10G,3/4"C - - - - - - - - - - - - - - - - - - - | * * * * * * * * * * * * * * * * * * * | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 0 0 0 20 20 20 20 (KVA) 0 0 31 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 17 CU-2 18 CU-2 20 " 22 " 24 SPACE 25 SPACE 26 SPACE 30 SPACE 31 SPARE 32 SPARE 34 SPARE 35 SPARE 36 SPARE 37 SPARE 38 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE 44 SPARE 5 LIGHTING 6 RECEPTACLES 6 COOLING | AHU AHU AHU AHU AHU AHU AHU AHU ASPAU ACU ACU ACU ACU ACU ACU ACU ACU ACU A | J-3 CE CE CE CE CE CE CE CE CE CE CE CE CE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 1/ - - - - 20 2 3#10, 1#10G, 3/ - - 20 2 3#10, 1#10G, 3/ - - - 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 20 1 - 20 1 - 20 1 - 20 1 - 20 3 AL. 4#250KCMIL, 1# 200 3 AL. 4#250KCMIL, 1# | 2"C | * | 3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 G, 4"C 3 | 20 1.6 1.6 40 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 24 24 (KVA 0 0 3 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 38 PANEL-LR 40 " 42 ") - DESCRIPTIVE LOAD - LIGHTING - RECEPTACLES - COOLING |
| SPACE Instant SPACE Instant SPARE Instant SPARE Instant SPARE Instant | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT ACCESS PS ACCESS PS REF. 3 QRCPTS SPACE SPACE SPACE SPACE SPACE SPACE | CU-3 " CU-5 " CU-5 " SPACE SPARE SPARE SPARE LOADS CONNECTED LOAD RESERVE TOTAL LOAD | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 17 2.5 19 21 23 25 27 29 31 33 35 37 39 2 41 2 - 57 25 14 - 71 | 60 2 35 2 | - - - - - - - - - - - - - - - - - - - | * * * * * * * * * * * * * * * * * * * | | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 26 SPACE 28 SPACE 30 SPARE 34 SPARE 35 SPARE 36 SPARE 37 SPARE 38 SPARE 39 SPARE 30 SPARE 31 SPARE 32 SPARE 34 SPARE 35 SPARE 36 SPARE 40 SPARE 42 SPARE 43 SPARE 44 SPARE 5 LIGHTING 6 COOLING 6 HEATING | AHU AHU AHU AHU AHU AHU APAC APAC APAC APAC APAC APAC APAC APA | J-3 CE CE CE CE CE CE CE CE CE CE CE CE CE | 7 7.8 9 7.8 11 13 13 15 15 1.6 17 1.6 19 2 21 2 23 2.4 25 2 27 2 31 3 35 3 37 26 39 24 41 20 - (KVA) - 253 0 0 | 80 2 3#4, 1#8G, 1 // - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 1 - 25 1 2#10, 1#10G, 3/ 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 3 AL. 4#250KCMIL, 1# 200 3 AL. 4#250KCMIL, 1# | 2"C (4"C (4"C 4"C 4G, 3"C | * | 3#10, 1#10G,3/4"(- - 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 G, 4'C 3 | 20 1.6 1.6 40 3.3 3.5 25 2.4 25 2.4 25 2.4 300 27 24 24 (KVA 0 0 300 3 157 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 38 PANEL-LR 40 " 42 " .) - DESCRIPTIVE LOAE . COOLING . HEATING . OTUED |
| SPACE 2) SPARE 3) SPARE | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT ACCESS PS ACCESS PS REF. 3 QRCPTS SPACE SPACE SPACE SPACE SPACE SPACE SPACE | CU-3 " CU-5 " CU-5 " SPACE SPARE SPARE SPARE LOADS CONNECTED LOAD RESERVE TOTAL LOAD TOTAL AMPS NOTES: | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 - 33 - 37 - 39 - 41 - - 57 25 14 - 71 | 60 2 35 2 | - - 3#6, 1#10G,1"C - 3#8, 1#10G,3/4"C - - - - - - - - - - - - - - - - - - - | * * * * * * * * * * * * * * * * * * * | Image: | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 0 0 0 20 20 20 20 20 20 20 20 (KVA) 0 0 31 26 0 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 25 SPACE 26 SPACE 30 SPACE 31 SPARE 32 SPARE 34 SPARE 35 SPARE 36 SPARE 37 SPARE 38 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE 44 SPARE 45 SPARE 46 SPARE 47 SPARE 48 SPARE 49 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE | AHU | J-3 CE CE CE U-2 CE CE CE CE CE CE CE CE CE CE CE CE CE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 25 1 2#10, 1#10G, 3/ - - - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 3 AL. 4#250KCMIL, 1# - - - - - - | 2"C | * | 3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 | 20 1.6 1.6 40 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 24 24 (KVA 0 0 3 157 92 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 38 PANEL-LR 40 " 42 ") - DESCRIPTIVE LOAE - LIGHTING - - COOLING - - HEATING - - OTHER - |
| SPARE 3) SPARE | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 2 CRCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT ACCESS PS REF. 3 QRCPTS SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE | CU-3 " CU-5 " CU-5 " SPACE SPARE SPARE SPARE LOADS CONNECTED LOAE RESERVE TOTAL LOAD TOTAL AMPS NOTES: 1) | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 17 2.5 17 2.5 19 - 21 - 23 - 27 - 29 - 31 - 33 - 37 - 39 - 41 - - 57 25 14 - 71 | 60 2 35 2 35 2 | - - 3#6, 1#10G,1"C - 3#8, 1#10G,3/4"C - - - - - - - - - - - - - - - - - - - | * * * * * * * * * * * * * * * * * * * | Image: | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 17 CU-2 18 CU-2 20 " 22 " 23 SPACE 24 SPACE 25 SPACE 26 SPACE 30 SPACE 31 SPARE 32 SPARE 34 SPARE 35 SPARE 36 SPARE 37 SPARE 38 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE 44 SPARE 45 SPARE 46 SPARE 47 SPARE 48 SPARE 49 SPARE 40 SPARE 41 SPARE | AHU AHU AHU AHU AHU AHU AHU AFFCC AF | J-3 CE CE CE CE CE CE CE CE CE CE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 1/ - - 20 2 3#10, 1#10G, 3/ 25 1 2#10, 1#10G, 3/ 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 200 3 ALL 4#250KCMIL, 1# 200 3 ALL 4#250KCMIL, 1# | 2"C | * | 3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 | 20 1.6 1.6 40 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 24 24 (KVA 0 0 3 157 92 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 38 PANEL-LR 40 " 42 ") - DESCRIPTIVE LOAE - LIGHTING - COOLING - HEATING - OTHER |
| SPARE SPARE | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT 1 RCPT ACCESS PS REF. 3 QRCPTS SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE | CU-3 " CU-5 " CU-5 " CU-5 " SPACE SPARE SPARE SPARE LOADS CONNECTED LOAD RESERVE TOTAL LOAD TOTAL AMPS NOTES: 1) 2) | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 17 2.5 19 21 23 25 27 29 31 33 35 37 39 2 41 2 - 57 25 14 - 71 | 60 2 35 2 35 2 | - - - - - - - - - - - - - - - - - - - | * * * * * * * * * * * * * * * * * * * | Image: | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 17 CU-2 20 " 22 " 24 SPACE 25 SPACE 26 SPACE 27 SPACE 28 SPACE 30 SPARE 31 SPARE 32 SPARE 34 SPARE 35 SPARE 36 SPARE 37 SPARE 38 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE 44 SPARE 45 SPARE 46 SPARE 47 SPARE 48 SPARE 49 SPARE 40 SPARE 41 SPAR | | J-3 CE CE CE CE CE CE CE CE CE CE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 1/ - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 1 - 25 1 2#10, 1#10G, 3/ 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 200 3 AL. 4#250KCMIL, 1# 201 - - 202 1 - 203 AL. 4#250KCMIL, 1# | 2"C | * | 3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 G, 4'C 3 C 3 | 20 1.6 1.6 40 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 24 24 24 (KVA 0 0 300 3 157 92 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 38 PANEL-LR 40 " 42 ") - DESCRIPTIVE LOAL - LIGHTING - RECEPTACLES - COOLING - HEATING - OTHER |
| SPARE | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 1 RCPT 1 RCPT ACCESS PS REF. 3 QRCPTS SPACE | CU-3 " CU-5 " CU-5 " CU-5 " SPACE SPARE SPARE SPARE LOADS CONNECTED LOAD RESERVE TOTAL LOAD TOTAL AMPS NOTES: 1) 2) 3) | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 17 2.5 19 21 23 25 27 29 31 33 35 37 39 2 41 5 57 25 21 14 - 71 | 60 2 35 2 | - - 3#6, 1#10G,1"C - 3#8, 1#10G,3/4"C - - - - - - - - - - - - - - - - - - - | * * * * * * * * * * * * * * * * * * * | Image: | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 8 0 0 0 20 20 20 20 20 20 20 20 20 20 20 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 25 SPACE 26 SPACE 27 SPACE 28 SPACE 30 SPARE 34 SPARE 35 SPARE 36 SPARE 37 SPARE 38 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE 44 SPARE 45 SPARE 46 SPARE 47 SPARE 48 SPARE 49 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE | Image: Constraint of the second sec | J-3 CE CE CE U-2 CE CE CE CE CE CE CE CE CE CE CE CE CE | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 1 - 25 1 2#10, 1#10G, 3/ 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 3 AL. 4#250KCMIL, 1# 200 3 AL. 4#250KCMIL, 1# | 2"C | * | 3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 | 20 1.6 1.6 40 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 24 24 (KVA 0 0 3 157 92 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 38 PANEL-LR 40 " 42 " .) - DESCRIPTIVE LOAE . COOLING . HEATING . OTHER |
| | 3 RCPTS 1 RCPT 6 RCPTS 6 RCPTS 4 RCPTS 2 CRCPTS 3 QRCPTS 3 QRCPTS 1 RCPT 1 RCPT ACCESS PS ACCESS PS REF. 3 QRCPTS SPACE | CU-3 " CU-5 " CU-5 " SPACE SPARE SPARE SPARE LOADS CONNECTED LOAD RESERVE TOTAL LOAD TOTAL AMPS NOTES: 1) 2) 3) | 7 4.3 9 4.3 11 4.3 13 4.3 15 2.5 17 2.5 19 - 21 - 23 - 25 - 27 - 29 - 31 - 33 - 37 - 39 - 41 - - 71 - 197 | 60 2 35 2 35 2 | - - 3#6, 1#10G,1"C - 3#8, 1#10G,3/4"C - - - - - - - - - - - - - - - - - - - | * * * * * * * * * * * * * * * * * * * | Image: | - 3#6, 1#10G,1"C - 3#10, 1#10G,3/4"C - 3#3, 1/8G, 1.5"C - - - - - - - - - - - - - | | 50 4.3 4.3 20 1.6 1.6 20 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 8 SPACE 10 CU-4 12 " 14 FCCU-1 16 " 18 CU-2 20 " 22 " 24 SPACE 25 SPACE 26 SPACE 30 SPACE 31 SPARE 32 SPARE 34 SPARE 35 SPARE 36 SPARE 38 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE 44 SPARE 45 SPARE 46 SPARE 47 SPARE 48 SPARE 49 SPARE 40 SPARE 41 SPARE 42 SPARE 43 SPARE 44 SPARE | AHL " AHL " SPA FCC " SPA FCC " SPA | J-3 CE CE U-2 CE CE CE CE CE CE CE CE RE RE RE C2 DS ED LOAD RVE LOAD AMPS | 7 7.8 9 7.8 11 | 80 2 3#4, 1#8G, 1 // - - 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 20 2 3#10, 1#10G, 3/ 25 1 2#10, 1#10G, 3/ 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 1 - 20 3 AL. 4#250KCMIL, 1# 200 3 AL. 4#250KCMIL, 1# | 2"C | * | 3#10, 1#10G,3/4"(- 4#8, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- 2#10, 1#10G,3/4"(- - 2#10, 1#10G,3/4"(- - - - - - - - - - - - - | C 2 C 3 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 | 20 1.6 1.6 40 3.3 3.3 25 2.4 25 2.4 25 2.4 300 27 24 24 (KVA 0 0 3 157 92 | 12 WH-1 14 " 16 " 18 IWH-1 20 SPACE 22 SPACE 24 IWH-2 26 SPACE 30 SPACE 32 SPARE 34 SPARE 38 PANEL-LR 40 " 42 " .) - DESCRIPTIVE LOAI - LIGHTING - COOLING - HEATING - OTHER |

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| 312L 2#12_1#12C_1/2"C | * | ט | | 31/E 2#10_1#10C_3////C | 1 | 31∠E 20 | 1 N N | т лл | |
| 2#12, 1#12G,1/2C | | * | | 2#10, 1#10G,3/4 C | 1 | 20 | 1 | 44 | |
| 2#12, 1#12G,1/2C | | | * | 2#10, 1#10G,3/4 C | 1 | 20 | 0.4 | 40 | |
| 5#10, 1#10G,3/4 C | * | | | 2#12, 1#12G,1/2 C | 1 | 20 | 0.4 | 48 | |
| | | * | | 2#12, 1#12G,1/2 C | 1 | 20 | 0.0 | 50 | |
| 2#10, 1#10G,3/4 C | | | * | 2#12, 1#12G,1/2 C | 1 | 20 | 2.4 | 54 | |
| 2#12, 1#12G,1/2C | * | | | 2#10, 1#10G,3/4 C | 1 | 25 | 2.4 | 54 | ACCESS PS |
| - | | * | | 2#10, 1#10G 3/4"C | 1 | 25 | 2.4 | 58 | |
| 2#8.1#10G.3/4"C | | | * | 2#8, 1#10G 3/4"C | 1 | 25 | 2.4 | 60 | ACCESS PS |
| 2#12.1#12G1/2"C | * | | | 2#10, 1#10G 3/4"C | 1 | 20 | 0.7 | 62 | FF-6 |
| - | | * | | 2#10, 1#10G.3/4"C | 1 | 20 | 0.7 | 64 | EF-7 |
| _ | | | * | - | | | 0.7 | 66 | SPACE |
| _ | * | | | - | | | | 68 | SPACE |
| 2#12, 1#12G,1/2"C | | * | | - | | | | 70 | SPACE |
| 2#10, 1#10G,3/4"C | | | * | - | | | | 72 | SPACE |
| 2#10, 1#10G,3/4"C | * | | | - | | | | 74 | SPACE |
| 2#12, 1#12G,1/2"C | | * | | - | | | | 76 | SPACE |
| 2#10, 1#10G,3/4"C | | | * | - | | | | 78 | SPACE |
| 2#10, 1#10G,3/4"C | * | | | - | 1 | 20 | | 80 | SPARE |
| - | | * | | - | 1 | 20 | | 82 | SPARE |
| - | | | * | - | 1 | 20 | | 84 | SPARE |
| | 13 | 11 | 13 | | | | (KVA) | - | DESCRIPTIVE LOADS |
| | κva | VPH | ASE | | | | 1 | - | LIGHTING |

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_____ PROJECT NUMBER 215009

DATE May. 15, 2017 _____

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- G. WHERE SERVICES RUN ABOVE INACCESSIBLE CEILINGS OR IN WALLS WHICH ARE TO REMAIN UNDISTURBED, SERVICES SHALL BE CAPPED AT CONCEALED LOCATION AND ABANDONED
- CONCEALED LOCATION. F. WHERE FIXTURES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE RELOCATED, THE ASSOCIATED SERVICES SHALL BE REMOVED AND CAPPED. NEW MATERIALS SHALL BE USED TO EXTEND SERVICES TO NEW LOCATION.
- DETERMINE THE COMPLETE SCOPE OF WORK. E. WHERE FIXTURES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED SERVICES SHALL BE CAPPED AT A
- COMPLETION OF THE PROJECT. D. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCH'L DOCUMENTS IN ADDITION TO THE DIVISION 15 AND 16 DOCUMENTS TO
- C. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL AND/OR RELOCATION OF PLUMBING FIXTURES AND EQUIPMENT AND ASSOCIATED SERVICES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON
- B. THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE DEMOLITION WORK UNDER THIS SECTION OF THE PROJECT IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES INCLUDING THOSE PUBLISHED BY OSHA AND EPA.
- A. THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED PRIOR TO BIDDING. CONTRACTOR SHALL IDENTIFY/ VERIFY ALL WATER, GAS AND SANITARY LINES BEFORE STARTING ANY DEMOLITION WORK. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL UNDERGROUND UTILITIES IN AREAS OF EXCAVATION WORK.

GENERAL DEMOLITION NOTES

H. WHERE THE REMOVAL OF FIXTURES OR EQUIPMENT RENDERS EQUIPMENT DOWNSTREAM INOPERABLE, SERVICES SHALL BE EXTENDED TO THE DOWN-STREAM FIXTURES OR EQUIPMENT SO THAT THE FIXTURES OR EQUIPMENT IS LEFT IN OPERATING CONDITION.

OTHER TRADES.

BY OWNER.

COST TO THE OWNER.

WITH OTHER TRADES.

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I. COORDINATE DEMOLITION OF DIVISION 15 SYSTEMS AS REQUIRED WITH ALL

J. ALL EXISTING PLUMBING FIXTURES AND EQUIPMENT REMOVED DURING

THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED

K. WHERE EXISTING FIXTURE OR EQPT IS TO BE RELOCATED, BE CAUTIOUS

CONSTRUCTION THAT ARE NOT TO BE REUSED SHALL BE REMOVED FROM

TO PREVENT DAMAGE DURING THE REMOVAL AND REINSTALLATION. WHERE

DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO

THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL

L. EXISTING FIXTURES OR EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE DISCRETION OF THE ARCHITECT WHERE APPLICABLE.

M. ALL DEVICES WITH AN (E) SYMBOL ARE EXISTING TO REMAIN. (UNO).

N. ALL DEVICES ATTACHED TO WALLS OR CEILINGS SHALL BE REMOVED PER DEMOLITION NOTE A - L WHETHER SHOWN ON DRAWINGS OR NOT.

O. CUTTING OF CONCRETE FLOORS SHALL BE BY MACHINE SAW, HOLES FOR

PIPES (WALL OR FLOOR) SHALL BE DONE WITH CORE DRILLING EQUIPMENT WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEERS. CONTRACTOR

SHALL INFORM THE ENGINEER IF REINFORCING IS CUT OR DAMAGED WHILE

MAKING OPENINGS AS REQUIRED BY DRAWINGS OR SPECIFICATIONS. PATCH

AND SEAL OPENINGS AS REQUIRED. COORDINATE ALL CUTTING AND PATCHING

1 PLUMBING DEMOLITION FLOOR PLAN 1/8" = 1'-0"

KEYED NOTES: PLUMBING DEMOLITION 1) REMOVE EXISTING FIXTURE. PREPERE AND RELOCATE NEW SERVICES FOR NEW ADA NEW FIXTURE. REFER TO REMODEL PLANS FOR NEW FIXTURE. SEWER & WATER LINES TO ADJUSTED AND EXTENDED AS REQUIRED.

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| PROJECT NUMBER 215009 |
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| DATE May. 15, 2017 |
| ISSUED FOR CONSTRUCTION |
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| SIMBOL | DESCRIPTION | Symbol | DESCRIPTION |
|---------|---------------------------------|----------------------------|---|
| | BALL VALVE | • | DOMESTIC COLD WATER |
| | CHECK VALVE | •• | DOMESTIC HOT WATER |
| | GATE VALVE | | DOMESTIC HOT WATER RETURN |
| | UNION | | SANITARY SEWER VENT |
| | DIRECTION OF FLOW | | SANITARY WASTE LINE |
| | ROOF OVERFLOW DRAIN | — — RD — — — | ROOF DRAIN |
| | WALL CLEANOUT | | 140° HOT WATER |
| ф | FLOOR CLEANOUT YARD CLEANOUT | | SANITARY DIRECTION OF FLOW |
| | FLOOR SINK | | BRANCH - TOP CONNECTION |
|) | FLOOR DRAIN | +0 | PIPE RISER |
| ᠆᠇᠌ᠵ᠊᠋ᡇ | WALL HYDRANT OR HOSE BIBB | +) | PIPE DROP |
| WHA | WATER HAMMER ARRESTOR | Ð | POINT OF CONNECTION (APPROXIMATED FIELD VERIFY EXACT POINT OF CONNECTION) |

ABBREV. DESCRIPTION

| AC | ABOVE CEILING |
|---------|---|
| AFF | ABOVE FINISHED FLOOR |
| ASA | AMERICAN STANDARDS ASSOCIATION |
| ASME | AMERICAN SOICIETY OF MECHANICAL ENGINEERS |
| ASTM | AMERICAN SOCIETY FOR TESTING MATERIALS |
| AW | ACID WASTE |
| AWWA | AMERICAN WATER WORKS ASSOCIATION |
| AV | ACID VENT |
| BTUH | BRITISH THERMAL UNIT PER HOUR |
| CA | Compressed air |
| CI | CAST IRON |
| CO | CLEANOUT |
| CU | COPPER |
| DN | DOWN |
| EQ | EQUAL |
| FCO | FLOOR CLEANOUT |
| FF | FINISH FLOOR |
| FG | FINISH GRADE |
| FH | FIRE HYDRANT |
| GAL | GALLON(S) |
| GALV | GALVANIZED |
| GW | GREASE WASTE |
| НВ | HOSE BIBB |
| HP | HORESPOWER |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| RD | ROOF DRAIN(S) |
| RE:4/P6 | REFER TO DETAIL 4 DRAWING P-6 |
| RO | REVERSE OSMOSIS |
| SD | STORM DRAIN |
| SPEC | SPECIFICATION |
| TYP | TYPICAL |
| UG | UNDERGROUND |
| UL | |
| VIR | |
| V | VACUUM |
| W/ | WITH |
| WCO | |
| YCO | YARD CLEAN OUI |

| PLUMBING PIPING MATERIAL |
|---------------------------|
| FLUMDING FIFING MATERIAL. |

- 1. SANITARY DRAIN & VENT INSIDE BUILDING BELOW GRADE: SCHEDULE 40 PVC
- 2. SANITARY DRAIN OUTSIDE BUILDING:

SCHEDULE 40 PVC

- 3. SANITARY DRAIN & VENT INSIDE BUILDING ABOVE GRADE: SCHEDULE 40 PVC
- 4. SANITARY DRAIN & VENT IN PLENUM CEILING: NO-HUB CAST IRON
- 5. DOMESTIC HOT & COLD WATER: COPPER, TYPE "L" HARD DRAWN
- 6. DOMESTIC WATER BELOW GRADE: COPPER, TYPE "K" SOFT ANNEALED
- 7. DOMESTIC WATER BELOW GROUND OUTSIDE OF BUILDING PIPING 2" SIZE AND SMALLER: COPPER, TYPE "L" HARD DRAWN

| | RECIRCULATING PUMP SCHEDULE | | | | | | | | | | | |
|------|-----------------------------|--------------|------|------|-------------|---|--|--|--|--|--|--|
| MARK | GPM | FEET HEAD | H.P. | RPM | VOLTS/PHASE | REMARKS | | | | | | |
| CP-1 | 0-11 | 0-10 | 1/40 | 3250 | 115 volts/Ø | EQUAL TO TACO MODEL 006-B4 CARTRIDGE CIRCULATOR, MAINTENANCE FREE, IN-LINE, SINGLE STAGE CIRCULATOR. PROVIDE TACO CLOCK TIMER AND TEMPERATURE AQUASTAT MODEL NO. 00 TIM | | | | | | |

| | | | | | | _ | |
|-------|--|-------------------|-------------|------------|------------|--|--|
| MARK | FIXTURE TYPE | San. Sewer | Vent | Cold Water | Hot Water | DESCRIPTION | |
| CLT-1 | Combination Lavatory/toilet High Security Area Ada | 4" | 2" | יין | 3/4" | FRONT ACCESS ALL-WELDED 14 GAUGE, TYPE 304 STAINLESS STEEL COMBINATIO LAVATORY/TOILET SHALL BE ACORN MODEL 1432FA-3-BP-03-M-FVH-CW, WATER CLOSET SHALL BE PROVIDED WITH LOW-FLOW 1.6 GALLON FLUSH VALVE. LAVATORY SHALL INCLUDE FACTORY INSTALLED (03-M) SINGLE TEMPERATURE METERING VALVE. REMOVABLE ACCESS PANELS ATTACHED WITH SECURITY SCRE FOR INTERIOR ACCESS. | |
| WC-1 | WATER CLOSET FLOOR MOUNTED ADULT HANDICAPPED | 4" | 2" | 1" | - | ZURN MODEL NO. Z5665-BWL, FLOOR MOUNTED WATER CLOSET, WITH ELONGAT 16-3/4" RIM HEIGHT, VITREOUS CHINA, SIPHON JET FLUSH ACTION 10"- 12" ROUGH ZURN FLUSHVALVE MODEL NO. Z6000AV-HET 1.28 GPF, 1" TOP SPUD INLET AND 2 CAPS. WITH "BENEKE" OPEN FRONT SEAT LESS COVER MODEL 533SS. FLUSH LEVER MOUNTED ON APPROACH SIDE OF FIXTURE. | |
| UR-1 | URINAL (STANDARD & HANDICAPPED) REFER TO ARCH'L DRAWING FOR MOUNTING HEIGHTS | 2" | 2" | 3/4" | - | ZURN MODEL NO. Z5738.206.00 SIPHON JET WALL HUNG URINAL. VITREOUS CHINA, FLUSH, COMPACT DESIGN, WITH INTEGRAL TRAP, 3/4" TOP INLET, 14" LIP, INCLUDES M HANGERS, 2" IPS OUTLET FLANGE AND RUBBER GASKET. WITH ZURN FLUSHOMETER ." MODEL NO. Z6003AV-ULF . PROVIDE ZURN CARRIER SYSTEM MODEL NO. Z-1221. | |
| L-1 | LAVATORY WALL HUNG ADULT HANDICAPPED REFER TO ARCH'L DRAWING FOR MOUNTING HEIGHTS | 2" | 2" | 1/2" | 1/2" | CRANE "HARWICH" MODEL NO. 1412V (20x18) WALL HUNG LAVATORY. WITH ANTI-S RIM AND HIGH BACK, CONCEALED FRONT OVERFLOW. INCLUDES WALL HANGER. VITREOUS CHINA, WITH FAUCET HOLES ON 4" CENTERS. PROVIDE FAUCET EQUAL TC MODEL 8413, SINGLE HANDLE, VANDAL RESISTANT, ADA APPROVED. PROVIDE PRO COVER ON P-TRAP AND STOPS. | |
| SK-1 | TWO-COMPARTMENT KITCHEN SINK ADA COMPLIANT | 2" | 2" | 1/2" | 1/2" | DOUBLE COMPARTMENT STAINLESS STEEL SINK BY ELKAY MODEL GECR 3321 MOUNT STAINLESS STEEL MOUNTING CHANNELS, 18 GAUGE, TYPE 302, CENTERED REAR DRA COMPLETE WITH MOEN TWO-HANDLE KITCHEN FAUCET MODEL NO. 8799, WITH WRIS HANDLES. PROVIDE 1/2 HP GARBAGE DISPOSER. COORDINATE KNEE SPACE WITH S DRAIN LOCATION FOR ADA COMPLIANCE. PROVIDE PROTECTIVE COVER ON P-TRA STOPS. PROVIDE LKADOS CHROME PLATED BRASS OFFSET TAILPIECE FOR WHEELCH | |
| EDF-1 | ELECTRIC WATER COOLER W/ Water Refilling Station REFER TO ARCH'L DRAWING FOR MOUNTING HEIGHTS | 2" | 2" | 1/2" | - | BI-LEVEL ELECTRIC WATER COOLER SHALL BE "ELKAY" MODEL NO. LZSTL8WSVRSK,WI EZH2O Water Refilling Station, CAPACITY OF 8.0 GALLONS, STAINLESS STEEL BASIN N INTEGRAL DRAIN GRID AND EMBOSSED BUBBLER PAD, LEAD FREE ADA COMPLIANT ZURN CARRIER MODEL NO. Z-1225, WITH APRON MODEL NO. LKAPR-EZL TO COMPL TAS AND ADA. | |
| SH-1 | SHOWER HANDICAPPED REFER TO PLAN FOR LEFT OR RIGHT HAND CONFIGURATION | 2" | 2" | 1/2" | 1/2" TW | PROVIDE AND INSTALL BRADLEY HN300/TMV BARRIER-FREE SHOWER SYSTEM TO ALL ADA SHOWER ROOMS. SYSTEM INCLUDES STANDARD FIXED DIRECTION ADJUSTABL SPRAYHEAD. DIVERTER VALVE FOR EASY TRANSFER OF WATER FLOW BETWEEN FIXED HANDHELD SHOWER SPRAY, 60" STAINLESS STEEL FLEX HOSE HAND HELD SHOWER, L GRAB BAR, BARRIER FREE SEAT, SHOWER CURTAIN & 24" SLIDE BAR. | |
| HB-1 | HOSE BIB EXTERIOR GENERAL USE | - | - | 3/4" | - | MILD TEMPERATURE WALL HYDRANT SHALL BE WADE MODEL 8600MT-175 3/4" INLET BRONZE CASING, BRONZE FACE AND STRAIGHT INLET CONNECTION WITH INTEGRAL BACKFLOW PREVENTER. | |
| HB-2 | | | | | | | |
| FD-1 | RESTROOM FLOOR DRAIN | | AS NOTED | ON PLANS | | EQUAL TO JOSAM PART # 30003-6A-Y-50, CAST IRON BODY WITH CLAMP RING, FLAN ADJUSTABLE NIKALOY STRAINER, HUB OUTLET WITH GASKET AND 1/2" PRIMER TAP. | |
| FD-2 | SHOWER FLOOR DRAIN | | AS NOTED | ON PLANS | | EQUAL TO JOSAM PART # 30002-6A-Y-50, CAST IRON BODY WITH CLAMP RING, FLA ADJUSTABLE NIKALOY STRAINER, HUB OUTLET WITH GASKET AND 1/2" PRIMER TAP. | |
| FD-3 | FLOOR DRAIN PRISON CELL | , | as noted of | n plans | | MIFAB SERIES F1160 PRISON CELL FLOOR DRAIN WITH LACQUERED CAST IRON BOD ANCHOR FLANGE, WEEPHOLES, 3" NO HUB SIDE OUTLET, INTEGRAL DEEP SEAL TRAP CLEANOUT PLUG, ADJUSTABLE NICKEL BRONZE STRAINER WITH T-20 TORX AND PIN S AND TRAP PRIMER CONNECTION. | |
| FD-4 | MECHANICAL ROOM | AS NOTED ON PLANS | | | | EQUAL TO JOSAM PART # 30003-7E2-Y, COATED CAST IRON BODY WITH CLAMP RIN TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, ADJUSTABLE NIKALOY FUNNEL | |

NOTES:

1.) INSULATE ALL WATER AND WASTE PIPING UNDER LAVATORIES WITH HANDY-SHIELD JACKET BY PLUMBEREX.

2.) PROVIDE SINGLE FIXTURE WATER HAMMER ARRESTORS EQUAL TO MINI-RESTER, HYDRA-RESTER SIOUX CHIEF. FOR ALL PLUMBING FIXTURES IN THE WATER SUPPLY SYSTEM.

3.) ALL VITREOUS CHINA FIXTURES SHALL BE WHITE.

| INSTANTANEOUS ELECTRIC WATER HEATER SCHEDULE | | | | | | | | | | |
|--|--------|---------|-----|------|---------------------------|----------------|-----------------|-----------------------------------|--|--|
| MARK | MODEL | VOLTAGE | KW | AMPS | DEGREE RISE AT 0.5 GPM | WATER INLET | WATER OUTLET | MANUFACTURER | | |
| IWH-1, IWH-2 IWH-3 | SP2412 | 120 | 2.4 | 20 | 33 | 3/8" | 3/8" | EEMAX "SINGLE POINT" WATER HEATER | | |
| IWH-4 | SP3512 | 120 | 3.5 | 29 | 33 | 3/8" | 3/8" | EEMAX "SINGLE POINT" WATER HEATER | | |

| ELECTRIC WATER HEATER SCHEDULE | | | | | | | | | |
|--------------------------------|--------------------|--------------------|-------------------|------------------------|----------------|-----------------|--|--|--|
| DESIG. | STORAGE GALLONS | RECOVERY G.P.H. | DEGREE RISE °F | WATER TEMP. LEAVING | WATER INLET | WATER OUTLET | REMARKS | | |
| WH-1 | 65 | 51 | 80° | 140° | 3/4" | 3/4" | RHEEM MODEL NO. ELD66, 10KW, 208V/3Ø, ELECTRIC TANK TYPE. PROVIDE 5 GAL EXPANSION TANK. | | |

, WET-ROTOR, herers/aquastat

PLUMBING GENERAL NOTES: (ALL SHEETS)

- A. ALL WORK AND MATERIAL SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES AS ADAPTED AND AMENDED BY THE INSPECTING AUTHORITIES.
- B. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID CONFLICT WITH ALL ELECTRICAL WORK, MECH'L WORK AND STRUCTURAL MEMBERS. COORDINATE WITH MECHANICAL, ELEC'L AND STRUCTURAL FOR PROPER CLEARANCES. CONTRACTOR SHALL COORDINATE AND ESTABLISH A SEQUENCE OF INSTALLATION WITH OTHER TRADES WORKING ON THE PROJECT.
- C. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASING AND SEQUENCE OF CONSTRUCTION OF WORK.
- D. SLEEVE ALL OUTSIDE WALL, FLOOR SLAB, AND GRADE BEAM PENETRATIONS PER DETAILS AND PER CODE.
- E. LOCATE ALL PLUMBING VENTS TO ROOF (VTR) SO THAT THEY TERMINATE A MINIMUM OF 1'-0" AWAY FROM ANY VERTICAL SURFACE AND 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKES.
- F. RECORD INVERT ELEVATIONS OF ALL YCO'S ON "AS-BUILT" DRAWINGS. G. ALL SANITARY SEWER PIPING 4" AND LARGER SHALL BE INSTALLED AT 1/8" PER FT. MINIMUM. ALL SANITARY SEWER PIPING 3" AND SMALLER SHALL BE INSTALLED AT 1/4" PER FT. MINIMUM.
- H. PLUMBING CONTRACTOR SHALL PAY FOR ALL UTILITY CONNECTIONS FEES, PERMITS, TESTS AND INSPECTIONS. FURNISH 3 COPIES OF INSPECTION CERTIFICATE BEFORE REQUESTING FINAL PAYMENT. PLUMBING CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION, VERIFICATION AND CONNECTION OF ALL UTILITIES TO SITE UTILITY STUB-OUTS. REFERENCE ASSOCIATED ARCHITECTURAL, ELECTRICAL, MECHANICAL, STRUCTURAL, KITCHEN AND CIVIL DRAWINGS FOR RELATED INFORMATION.
- I. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE DAMAGED BY HIS OPERATIONS. J. CUTTING OF CONCRETE FLOORS SHALL BE BY MACHINE SAW, HOLES FOR PIPES (WALL OR FLOOR) SHALL BE DONE WITH CORE DRILLING EQUIPMENT WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEERS.
- K. PRESSURE TEST ALL INSTALLATIONS PRIOR TO CONNECTING EQUIPMENTS.
- L. LABEL ALL PIPING PER ANSI STANDARD.
- M. INSULATE ALL PIPING AS STATED IN SPECIFICATIONS. N. INSTALL SHUT-OFF VALVES (STOPS) AND PIPING UNIONS AT EACH PIECE OF EQUIPMENT, PLUMBING FIXTURES, AND BRANCHES TO FIXTURE GROUPS. VALVES
- SHALL BE LOCATED IN AN ACCESSIBLE LOCATION, OR ACCESS PANELS PROVIDED AS NECESSARY. O. PROVIDE ANY BACK FLOW PREVENTION DEVICE REQUIRED BY CODE OR GOVERNING AUTHORITIES. CONTRACTOR SHALL VERIFY THIS WITH CITY OR LOCAL AGENCIES AND INCLUDE COST OF SAME IN BID. CONTRACTOR TO
- HAVE BACK FLOWS CERTIFIED. P. PROVIDE WATER HAMMER ARRESTORS AS INDICATED ON THE DRAWINGS. AIR CHAMBERS NOT AN APPROVED SUBSTITUTE.
- Q. ALL EXPOSED PIPING FOR DESIGNATED DISABLED ACCESS FIXTURES SHALL BE COVERED OR OTHERWISE WRAPPED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND LOCAL AUTHORITY.
- R. ALTERNATE MATERIALS NOT IDENTIFIED IN SPECIFICATIONS/DRAWINGS BUT APPROVED BY LOCAL AUTHORITY SHALL BE SUBMITTED TO ARCHITECT AND PLUMBING ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
- S. ISOMETRIC DIAGRAMS ARE FOR SIZING PURPOSES ONLY AND SHALL NOT BE USED FOR MATERIAL TAKE-OFFS, OR BE CONSTRUED TO INDICATE ACTUAL SITE INSTALLATION.
- T. DRAWING IS SCHEMATIC IN NATURE AND SHOW THE GENERAL LAYOUT OF THE PLUMBING SYSTEM. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.
- U. EVERY FLOOR DRAIN, FLOOR SINK OR HUB DRAIN SHALL BE SERVED BY AN AUTOMATIC TRAP PRIMER.
- V. REFER TO KITCHEN EQUIPMENT PLAN AND SPECIFICATIONS. INFORMATION SHOWS EXACT LOCATIONS AND NECESSARY PLUMBING REQUIREMENTS FOR THE KITCHEN EQUIPMENT. COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER.
- W. ALL PLUMBING FIXTURES IDENTIFIED SHALL BE PROVIDED AND
- INSTALLED BY THE PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE. X. INSTALL VACUUM BREAKERS AT ALL THREADED HOSE CONNECTIONS AND AT ALL CONNECTIONS WHERE CROSS-CONTAMINATION COULD OCCUR.
- Y. PIPING SHALL NOT BE INSTALLED OVER ELECTRICAL EQUIPMENT.
- Z. CONTACT ARCHITECT BEFORE PENETRATING STRUCTURAL ELEMENTS WITH PIPING, EQUIPMENT, ETC.
- A'. VERIFY EXACT LOCATIONS OF "HVAC" EQUIPMENT WITH MECHANICAL DRAWINGS. VERIFY PRIOR TO ANY INSTALLATION THAT THERE IS SUFFICIENT SPACE IN WALLS, CHASES AND CEILING CAVITIES FOR PLUMBING SYSTEM PIPING, VENTS, EQUIPMENT, ETC.
- B'. PROVIDE ACOUST-O-PLUMB PIPE CLAMPS ON ALL DOMESTIC WATER PIPES 1" AND SMALLER IN SIZE. REFER TO FLOOR PLANS AND RISER diagrams.
- C'. FIRESTOP ALL PENETRATIONS THRU FIRE-RATED ASSEMBLIES. REFER
- TO SPECIFICATIONS AND ARCHITECTURAL DRAWINGS.
- D'. CAULK AROUND ALL PLUMBING FIXTURES. CAULK COLOR TO MATCH FIXTURE COLOR.
- E'. SEAL ALL EXTERIOR WALL AND ROOF PENETRATIONS WATER TIGHT.

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PROJECT NUMBER 215009

DATE MAY. 15, 2017

ISSUED FOR CONSTRUCTION

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GENERAL NOTES - FIRE PROTECTION:

- A. SYSTEM TO BE DESIGNED TO MEET CITY OF LA JOYA AND FIRE MARSHAL CODES. PLANS SHALL BE SUBMITTED TO THE CITY OF LA JOYA FOR REVIEW AND APPROVAL. FIRE MARSHAL TO BE THE FINAL APPROVING AUTHORITY FOR ALL FIRE PROTECTION WORK.
- B. FIRE DEPARTMENT CONNECTION SHALL BE AS REQUIRED BY LOCAL FIRE marshal.
- C. ALL PIPE TO BE SIZED HYDRAULICALLY
- D. ALL PIPING UNDER SLAB SHALL BE STAINLESS STEEL. ELSE USE DUCTILE IRON. VERIFY WITH LOCAL APPROVING AUTHORITY.
- E. DETAILS DESCRIBE SOME SPRINKLER COMPONENTS REQUIRED BY A AUTOMATICALLY OPERATED SYSTEM. SPRINKLER CONTRACTOR TO PROVIDE ALL SYSTEM COMPONENTS REQUIRED FOR A TURN KEY FIRE SPRINKLER SYSTEM.
- F. PROVIDE SIGNS FOR FDC, ALL VALVES, AND RISER.
- G. HAZARD CLASSIFICATION SHALL BE AS PER NFPA 13.
- H. ALL UNDERGROUND PIPE TO BE DR-18 C900 AND TO BE INSTALLED AS PER NFPA 24.
- I. REFER TO SPECIFICATIONS FOR FURTHER INSTRUCTIONS.
- J. ALL ABOVE CEILING PIPING WILL NEED TO BE ROUTED AROUND EXISTING CONDUITS, BEAMS, MECHANICAL DUCT WORK AND DRAIN LINES. ALL PIPE LEFT WITH TRAP WATER NEEDS TO BE PROVIDED W/ A DRAIN VALVE.
- K. SEAL ALL WALL OPENINGS W/ MORTAR OR FIRE CAULKING.

- **KEYED NOTES: FIRE PROTECTION** 1 FIRE SPRINKLER MAIN TO CONNECT TO EXISTING CITY WATER LINE. REFER TO DETAIL #2. SITE VERIFY EXACT LOCATION OF CITY WATER LINE. 2 RUN FIRE MAIN AND FDC LINE BETWEEN 3 AND 4 FEET DEEP. PROVIDE 4 INCHES OF SAND UNDER PIPE. COVER ALL PIPE AND LEAVE JOINTS EXPOSED FOR ENGINEER AND FIRE DEPARTMENT INSPECTION. FIRE SPRINKLER SYSTEM RISER SHALL BE PLACED IN THIS RISER ROOM. REFER TO DETAIL THIS IS A NEW BUILDING FACILITY. FIRE PROTECTION SYSTEM TO COORDINATE WITH ALL OTHER TRADES.
- $\left< \frac{5}{5} \right>$ REFER TO CIVIL PLAN FOR EXACT WATER MAIN LOCATIONS.
- 6 This is a existing building design a new fire sprinkler system. Fire protection system coordinate with all other trades.
- T F.D.C. TO BE AT THIS LOCATION. COORDINATE FINAL LOCATION WITH A.H.J. REFER
- TO DETAIL #4
- 8 3000 PSI CONCRETE THRUST BLOCK AT EVERY CHANGE IN DIRECTION AS PER NFPA
- BACK FLOW PREVENTER. CONTRACTOR COORDINATE EXACT LOCATION SEE DETAIL
- $\langle 10 \rangle$ provide an anti-freeze system for the sally port area.
- $\langle 11 \rangle$ PROVIDE INSTITUTIONAL SPRINKLER PENDANTS IN THIS AREA.
- $\langle 12 \rangle$ PROVIDE CONCEALED SPRINKLER PENDANTS IN THIS AREA.
- (13) BREAK PARKING AREA ASPHALT AND CONCRETE SIDE WALK TO INSTALL FIRE MAIN LINE. REPAIR AFTER LINE IS INSTALLED.

THIS DRAWING IS DIAGRAMMATIC AND SHOULD BE USED AS REFERENCE FOR BIDDING PURPOSES ONLY. THIS DRAWING SHALL NOT BE USE FOR PERMIT OR CONSTRUCTION. CONTRACTOR IS FULLY RESPONSIBLE FOR THE DESIGN OF THE NEW FIRE SPRINKLER SYSTEM. ALL NFPA CODES APPLICABLE SHALL BE USED AND FOLLOWED.

BACKFLOW PREVENTER DETAIL

NOTE: CARE SHALL BE TAKEN DURING DIGGING. ALL LINES DAMAGED UNDERGROUND WILL BE FIXED BY THE

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