

IMC EMERGENCY DEPARTMENT - X-RAY #2 - UPGRADE



INTERMOUNTAIN HEALTHCARE 5125 SOUTH COTTONWOOD STREET, MURRAY UT 84107

PERMIT SET / BID SET 06/08/2020

524 SOUTH 600 EAST SALT LAKE CITY, UT 84102 801.575.8800 | VCBO.COM

STEVE BROWN INTERMOUNTAIN HEALTHCARE 36 S. STATE ST. # 2100 Steve.Brown@imail.org 801.718.2411

owner

SLC, UT 84111

architect

JEFF PINEGAR VCBO ARCHITECTURE 524 SOUTH 600 EAST SALT LAKE CITY, UT 84102 jpinegar@vcbo.com 801.575.8800

structural engineer JESSICA CHAPPELL REAVELEY ENGINEERS 675 EAST 500 SOUTH #400 SLC, UT 84102 jchappell@reaveley.com 801.486.3883

electrical engineer PETER JOHANSEN SPECTRUM ENGINEERS 324 S STATE ST., Suite 400 SLC, UT 84111 pej@spectrum-engineers.com 801.328.5151



ABBREVIATIONS

&	AND
@	AT
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
AL/ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH ARCH	ITECTURAL
BD	BOARD
BLDG	BUILDING
BLK	BLOCK (ING)
BO	BOTTOM OF
BRG	BEARING
BSMT	BASEMENT
BS	BOTH SIDES
BW	BOTH WAYS
CAB CB CCSA ARCH CG CHAM CHAM CJ CL CLG CLR CM COL COMP COMP CONC CONC CONT CONT CMU CSBA CT	CABINET CATCH BASIN CUSTOM COLOR SELECTED BY ITECT CORNER GUARD FER CONTROL JOINT CENTER LINE CEILING CLEAR CONSTRUCTION MANAGER COLUMN UTER RETE INUOUS CONCRETE MASONRY UNIT COLOR SELECTED BY ARCHITECT CERAMIC TILE
D DB DBL DEPT DF DIA DIM DN DN DRN DTL/ DET DW DWG	DEPTH DECK BEARING DOUBLE DEPARTMENT DRINKING FOUNTAIN DIAMETER DIMENSION DOWN DRAIN DETAIL DISHWASHER DRAWING
E	EAST
(E)	EXISTING
EA	EACH
EIFS	EXTERIOR INSULATION SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EQUIP EQUIF	MENT
EVAP	EVAPORATIVE
EXIST EXIST	ING
EXP	EXPANSION
EXT	EXTERIOR
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FG	FINISH GRADE
FH	FIRE HYDRANT
FIN	FINISHED
FLR	FLOOR
F.O.	FACE OF
FT	FOOT, FEET
FRP	FIBER REINFORCED PANEL
FRT	FIRE RETARDANT TREATED WOOD
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFRC GLASS	SFIBER REINFORCED PANEL
GYP	GYPSUM
GWB	GYPSUM WALLBOARD
HB HC HDW HDF HM HOR	HOSE BIBB HANDICAP ACCESSIBLE HARDWARE HIGH DENSITY FIBERBOARD HOLLOW METAL HEIGHT HORIZONTAL
id	INSIDE DIAMETER
Icf	INSULATED CONCRETE FORM
Incl	INCH
Incl	INCLUDE
Info	INFORMATION
Int	INTERIOR
Insul Insul	ATE, (D), (ION)
Inv	INVERT
JST	JOIST
JT	JOINT

NOT ALL ABE	BREVIATIONS MAY BE USED
LAV	LAVATORY
LB/ LBS	POUND (S)
MAT	MATERIAL (S)
MAX	MAXIMUM
MDF	MEDIUM DENSITY
FIBER MECH MECH MEMB MEMB MEZZ MFR MGR MIN MIR MISC MO MTD MTL MW	MEZION DENSITY BOARD ANICAL BRANE MEZZANINE MANUFACTURER MANAGER MINIMUM MIRROR MISCELLANEOUS MASONRY OPENING MOUNT, (ED) METAL MICROWAVE
N	NORTH
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION
COEF	FICIENT
NTS	NOT TO SCALE
OC OD OFCI OFD OH OPG OPP OSB OZ	ON CENTER OUTSIDE DIAMETER OWNER FURNISHED/ CONTRACTOR INSTALLED OVERFLOW DRAIN OVERHEAD OPENING OPPOSITE ORIENTED STRAND BOARD OUNCE
PERI	PERIMETER
PERM PERM	ANENT
PL	PLATE
PLAM	PLASTIC LAMINATE
PNL	PANEL
PNT	PAINT (ED)
P.O.	POINT OF
PR	PAIR
PT	POST TENSIONED
PART	PARTITION
PLY	PLYWOOD
QT	QUARRY TILE
R / RAD	RADIUS
RCP	REFLECTED CEILING PLAN
REC	RECESSED
REF	REFERENCE
REFG	REFRIGERATOR
REINF REINF	FORCE (ED)
REM	REMOVE (ED)
REPL	REPLACE
REQD REQU	IRED
REV	REVISION (S)
RM	ROOM
RO	ROUGH OPENING
S SALV SECT SF SIM SLNT SPEC SQ SS STC CLASS STD STL STOR STRUC SUSP SYM	SOUTH SALVAGE (ED) SECTION SQUARE FOOT SIMILAR SEALANT SPECIFICATION (S) SQUARE STAINLESS STEEL SOUND TRANSMISSION STANDARD STEEL STORAGE STRUCTURE (AL) SUSPENDED
T	THICKNESS
T & B	TOP AND BOTTOM
T & G	TONGUE AND GROOVE
TBD	TO BE DETERMINED
TEMP	TEMPORARY
THRU	THROUGH
T.O.	TOP OF
TRANSTRANS	SFORMER
TS	TUBE STEEL
TYP	TYPICAL
UNF	UNFINISHED
UNO	UNLESS OTHERWISE NOTED
VAR	VARIES
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VWC	VINYL WALLCOVERING
W	WEST
W	WIDTH
W/	WITH
WC	WATER CLOSET
WD	WOOD
W/O	WITHOUT

UTILITY CONTACTS

power XXXXX XXXXXXXXX ORGANIZATION ADDRESS

ADDRESS ADDRESS email@domain.com 000.000.000

natural gas XXXXX XXXXXXXXX ORGANIZATION ADDRESS ADDRESS email@domain.com 000.000

water/storm drain XXXXX XXXXXXXXX ORGANIZATION ADDRESS ADDRESS email@domain.com

000.000.000

Sewer XXXXX XXXXXXXXXX ORGANIZATION ADDRESS ADDRESS email@domain.com 000.000.000

telephone XXXXX XXXXXXXXX ORGANIZATION ADDRESS ADDRESS email@domain.com 000.000.000

PROJECT TEAM

WELDED WIRE FABRIC

WSCT WAINSCOT

WWF

OWNER STEVE BROWN INTERMOUNTAIN HEALTHCARE 36 S. STATE ST. # 2100 SLC, UT 84111 Steve.Brown@imail.org 801.718.2411

architect JEFF PINEGAR VCBO ARCHITECTURE 524 SOUTH 600 EAST SALT LAKE CITY, UT 84102 jpinegar@vcbo.com 801.575.8800

structural engineer JESSICA CHAPPELL REAVELEY ENGINEERS 675 EAST 500 SOUTH #400 SLC, UT 84102 jchappell@reaveley.com 801.486.3883

electrical engineer PETER JOHANSEN SPECTRUM ENGINEERS 324 S STATE ST., Suite 400 SLC, UT 84111 pej@spectrum-engineers.com 801.328.5151



SHEET SYMBOLS

DRAWING TITLE



SHEET NUMBERING + NAMING



THIS IS A QUICK REFERENCE GUIDE TO THE SHEET NUMBERING AND NAMING SYSTEM USED IN VCBO CONSTRUCTION DOCUMENTS.

R: W?

B? :B B: W? F? :F L: W?

BASIC DRAWING TITLE

MATCH LINE

ΗA

PLAN TYPE .0 SLAB PLAN .1 ANNOTATED PLAN .2 DIMENSION + WALL TYPE PLAN

.3 FINISH PLAN .4 REFLECTED CEILING PLAN

- SEQUENCE DENOTES AREA SEQUENCE IN PLAN, AND NUMBERIC SEQUENCE IN NON-PLAN SHEETS

- LEVELS DENOTES LEVEL IN A MULTI-STORY BUILDING. ALSO BECOMES A SEQUENCE NUMBER DENOTING DIVISIONS IN NON-PLAN SHEETS

SHEET TYPE SEQUENCE NUMBERING: 0 GENERAL NOTES + LEGENDS

1 FLOOR PLANS 2 EXTERIOR ELEVATIONS

EXTERIOR SECTIONSENLARGED PLANS, ELEVATIONS, SECTIONS

DETAIL DRAWINGS DOOR, WINDOW, OTHER SCHEDULES SIGNAGE

8 USER DEFINED9 3D DRAWINGS + PERSPECTIVES

DESIGN DATA

GOVERNING BUILDING CODES: IBC 2018, to include Appendix J; ANSI 117-1 2009; NFPA 101 LIFE SAFETY 2018; IMC 2018; IPC 2018; IECC 2018, for commercial projects; IFGC 2018; NEC 2017

TENANT IMPROVEMENT TO EXISTING BUILDING - NOT A CHANGE IN OCCUPANCY
 TOTAL REMODEL AREA = 300 SF (REMODEL)

OCCUPANCY TYPE - CH.3 • I-2 - INSTITUTIONAL

THERE WILL BE NO INVASIVE THERAPIES OR ANESTHESIA. OUTPATIENTS ARE CAPABLE OF SELF-PRESERVATION. INPATIENTS WILL BE ASSISTED BY NURSING PERSONEL.

AUTOMATIC SPRINKLER SYSTEM: PER SECTION 903
 EXISTING SYSTEM TO REMAIN

EXIT ACCESS - CH. 10

 COMMON PATH OF EGRESS TRAVEL: PER TABLE 1006.2.1
 (MEASEURED FROM THE MOST REMOTE POINT WITHIN A STORY TO THAT POINT WHERE THE OCCUPANTS HAVE SEPARATE ACCESS TO TWO EXITS OR EXIT ACCESS DOORWAYS) 100 FEET.

MINIMUM CORRIDOR WIDTH: PER TABLE 1020.2 IN INCHES
44 UNLESS NOTED OTHERWISE
36 WITH AN OCCUPANT LOAD OF LESS THAN 50

- INTERIOR WALL & CEILING FINISH REQUIREMENTS: PER TABLE 803.11 • IN SPRINKLERED BUILDING :
- EXIT ENCLOSURES AND EXIT PASSAGEWAYS CLASS B
 CORRIDORS AND OTHER EXIT WAYS CLASS C
 ROOMS AND ENCLOSED SPACES CLASS C
- INTERIOR FLOORS FINISH: PER 804 • IN SPRINKLERED BUILDING - CLASS I & II

GENERAL NOTES

- 1. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.
- 2. AS PART OF THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS, THE CONTRACTOR SHALL ENDEAVOR TO IDENTIFY AND NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
- 3. THE ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL THE TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES. QUANTITIES ARE TO BE PROVIDED AS SHOWN ON DRAWINGS OF OTHER DISCIPLINES BUT LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL PARTS OF THE WORK.
- 4. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN; DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
- CONTRACTOR TO FOLLOW CURRENT ANSI 117-1 STANDARDS AS REPRESENTED ON SHEET G301, GENERAL ACCESSIBILITY GUIDELINES. NOTIFY ARCHITECT IF THE DESIGN DRAWINGS CONFLICT WITH THIS SHEET.

NOTES TO BIDDERS

- 1. THIS SHEET CONTAINS A LIST OF DRAWINGS WHICH COMPRISE A FULL SET OF DRAWINGS FOR THIS PROJECT. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE INFORMATION CONTAINED IN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS. IF ANY PERSON, PARTY OR ENTITY ELECTS TO SUBMIT BIDS FOR ANY PORTION, OR ALL, OF THIS PROJECT, THAT PERSON, PARTY OR ENTITY SHALL BE RESPONSIBLE FOR ANY AND ALL INFORMATION CONTAINED IN THESE DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDUMS OR CLARIFICATIONS THAT MAY BE ISSUED.
- 2. THESE DOCUMENTS SHOW THE DESIGN INTENT. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE EVERYTHING SHOWN ON THE DRAWINGS OR SPECIFIED REGARDLESS OF WHERE IT IS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS. FOR EXAMPLE; SOME MILLWORK DETAILS HAVE STEEL FRAMES WHICH MAY BE PROVIDED BY DIVISION 05 OR WITH THE MILLWORK AT THE CONTRACTOR'S DISCRETION, BUT IT SHALL BE PROVIDED AS PART OF THE CONTRACT.
- 3. EVERYTHING CALLED FOR IN THESE DOCUMENTS SHALL BE "NEW" AND PROVIDED BY THE CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT UNLESS NOTED OTHERWISE AS EXISTING (EXIST), NOT IN CONTRACT (NIC) OR FOR REFERENCE ONLY. FURNISHINGS SHOWN DASHED SHALL BE FOR REFERENCE ONLY.

SHEET INDEX

SCHEDULE - SHEET INDEX FOR G001		
SHEET NUMBER	SHEET NAME	
GENERAL		
CV	COVER	
G001	GENERAL INFORMATION, INDEX & TYPICAL ANSI ACCESSIBILITY STANDARDS	
ARCHITECTURAL	I SITE	
AS101	OVERALL SITE PLAN - OVERALL BUILDING 5	
DEMOLITION		
AD110.1	DEMOLITION PLAN & DEMO REFLECTED CEILING PLAN - ENLARGED	
ARCHITECTURAL		
A110.1	LEVEL LL-1 SLAB PLAN + ANNOTATED & DIMENSION PLAN - ENLARGED	
A110.2	LEVEL LL-1 REFLECTED CEILING PLAN + FINISH PLAN - ENLARGED	
A400	X-RAY ROOM - INTERIOR ELEVATIONS + 3D VIEWS	
A401	X-RAY ROOM - INTERIOR ELEVATIONS + 3D VIEWS	
A500	INTERIOR FRAMING, CEILING DETAILS & CASEWORK DETAILS	
STRUCTURAL		
S-001	GENERAL STRUCTURE NOTES & LEGENDS & ABBREVIATIONS	
S-101	FRAMING PLAN	
S-501	EQUIPMENT SUPPORT DETAILS	
FI ECTRICAI		
FF001	SHEET INDEX, ABBREVIATIONS AND GENERAL NOTES	
EE501	TYPICAL MOUNTING HEIGHT DETAILS	
EE502	ELECTRICAL DETAILS	
EE701	GE DRAWINGS	
EE702	GE DRAWINGS	
EP101	ELECTRICAL PLAN	
EP601	ONE-LINE DIAGRAM	
EL601	INTERIOR LIGHTING FIXTURE SCHEDULE	
Grand total: 20		

VICINITY MAP









KEYED NOTES			
KEY VALUE	KEYNOTE TEXT		
215.1	EXISTING SINK REMOVE AND DISPOSE		
215.1	EXISTING FAILOFT REMOVE AND DISPOSE		
215.3	EXISTING FOOT PEDALS, REMOVE AND DISPOSE		
219.2	REMOVE AND DISPOSE EXISTING PLASTIC LAMINATE COUNTERTOP, PREPARE FOR NEW SOLID SURFACE COUNTERTOP (PER PLANS)		
219.3	REPLACE CABINET FINISHES (BASE AND UPPER CABINETS), PROTECT BODY BOX IN PLACE, REPAIR AS NEEDED, SALVAGE AND PROTECT HARDWARE FOR REUSE		
220.2	REMOVE AND DISPOSE EXISTING CEILING TILES AND CEILING GRIDS, PREPARE FOR NEW FINISHES		
220.3	REMOVE, SALVAGE AND REINSTALL DIFFUSERS AND FIRE SPRINKLER HEADS AS NEEDED, PROTECT AS NEEDED		
220.4	REMOVE AND DISPOSE EXISTING METAL STRUT SYSTEM ABOVE CEILING, PREPARE STRUCTUF FOR NEW METAL STRUT SYSTEM		
225.0	REMOVE AND DISPOSE EXISTING WALL PROTECTION AND CORNER GUARDS AROUND THIS ROOM, PROTECT WALLS FOR FUTURE FINISHES, REPAIR AS NEEDED PRIOR TO NEW INSTALLATION		
240.0	DEMO FLOOR COVERING		
250.0	SLAB LEVELING WORK IN THIS AREA, REFER TO STRUCTURAL AND CARESTREAM DRAWINGS FOR ADDITIONAL INFORMATION		
260.0	EXISTING TABLE ANCHOR SYSTEM TO BE REMOVED, PATCH AND FILL AS NEEDED FOR FUTURE FINISHES		
261.0	EXISTING FLOOR ELECTRICAL BOX TO BE REMOVED, PATCH AND FILL AS NEEDED FOR FUTURE FINISHES		
270.0	EXISTING SOAP DISPENSER, REMOVE AND SALVAGE FOR REUSE, REPAIR AND REPAINT WALL AS REQUIRED		
270.1	EXISTING PAPER TOWEL DISPENSER, REMOVE AND SALVAGE FOR REUSE, REPAIR AND REPAIN WALL AS REQUIRED		

GENERAL DEMOLITION NOTES

1. FIELD VERIFY DIMENSIONS AND CONDITIONS INCLUDING EXISTING UTILITIES PRIOR TO BIDDING. BRING DIFFERING DIMENSIONS AND CONDITIONS TO ARCHITECT'S ATTENTION PRIOR TO BIDDING.

6

- 2. A HAZARDOUS MATERIAL SURVEY IS AVAILABLE FROM THE OWNER. ABATEMENT MUST BE COMPLETED PRIOR TO DEMOLITION OF BUILDINGS OR BUILDING ELEMENTS.
- 3. PROVIDE DUSTPROOF ENCLOSURES AT PERIMETER OF CONSTRUCTION & DEMOLITION FOR PROTECTION OF ADJACENT SPACES.
- 4. COORDINATE MAINTENANCE OF FIRE EGRESS FOR OCCUPANTS IN EXISTING BUILDING WITH THE OWNER AND FIRE MARSHAL. PROVIDE NECESSARY TEMPORARY WALLS OR ENCLOSURES, EMERGENCY LIGHTS, ETC., FOR THE DURATION OF CONSTRUCTION.
- BRING TO ARCHITECT'S ATTENTION EXISTING CONDITIONS THAT PRESENT ANY CODE VIOLATIONS, INCORRECT CONSTRUCTION OR SAFETY PROBLEMS.
- 6. MAINTAIN EXISTING FIRE RATINGS, AND ASSOCIATED FIRE PROTECTION SYSTEMS (I.E. FIRE SPRINKLERS AND FIRE ALARM SYSTEMS) THROUGHOUT CONSTRUCTION. COORDINATE ANY INTERRUPTION TO THESE SYSTEMS WITH THE OWNER AND FIRE MARSHAL. PROVIDE FIRE WATCH REQUIREMENTS ASSOCIATED WITH INTERRUPTIONS TO THESE SYSTEMS.
- PROTECT EXISTING STRUCTURE, FINISHES, AND SITE ELEMENTS NOT SCHEDULED FOR DEMOLITION. RESTORE DAMAGED ITEMS TO THEIR ORIGINAL CONDITION OR REPLACE AT CONTRACTOR'S EXPENSE.
- 8. REMOVE AND DISPOSE SELECTIVE DEMOLITION MATERIAL PER CITY REQUIREMENTS. 9. SALVAGE MATERIAL WHERE INDICATED. REMOVE ITEMS FROM CURRENT LOCATIONS &

GENERAL PLAN DEMOLITION NOTES

PREPARE FOR TRANSPORT BY THE OWNER.

- 1. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR REQUIRED ADDITIONAL DEMOLITION
- 2. MAINTAIN EXISTING FIRE RATINGS THROUGHOUT CONSTRUCTION
- 3. DO NOT DISTURB EXISTING FIRE RATED ELEMENTS INCLUDING FIREPROOFING. PATCH/REPAIR DAMAGED OR DISTURBED ITEMS.
- 4. AFTER DEMOLITION, PRIOR TO FINISH, PATCH AND REPAIR EXISTING WALLS TO
- PROVIDE SMOOTH SURFACE SUITABLE FOR PAINTING OR WALL COVERING. 5. PATCH & LEVEL EXISTING CONCRETE SLABS FOR NEW FINISHES WITH FLOOR LEVELING
- COMPOUND.
- 6. FIELD VERIFY AND COORDINATE SAW CUTTING OF THE CONCRETE FLOOR SLAB WITH PLUMBING AND ELECTRICAL.
- 7. REPLACE SLAB AND TRENCH BY COMPACTING CLEAN GRAVEL IN 8 INCH LIFTS. DRILL #4 EPOXY-COATED REBAR INTO EXISTING SLAB @ 12 INCHES OC. POUR SLAB TO PROVIDE A SMOOTH EVEN FLOOR.
- 8. WHERE ELECTRICAL CIRCUIT CONTINUITY IS INTERRUPTED, BUT MUST BE MAINTAINED, MAKE NECESSARY MODIFICATIONS TO MAINTAIN CIRCUIT INTEGRITY.
- 9. REMOVE ELECTRICAL BOXES BEHIND RELOCATED MILLWORK AND CAP AS REQUIRED.
- 10. CAP EXISTING DUCT WORK FOR DUST CONTROL.

DEMOLITION LEGEND



HALF-TONE LINE DENOTES ITEMS TO REMAIN DASHED LINE DENOTES ITEMS TO BE DEMOLISHED AREA TO REMAIN UNDISTURBED DURING CONSTRUCTION

AREA OUT OF SCOPE OF WORK

X-RAY ROOM ENTRANCE (Existing signage to remain)







KEYED NOTES		
KEY VALUE	KEYNOTE TEXT	
306.2	REINFORCED CONCRETE SLAB ON GRADE, 15" THICK, TO MATCH EXISTING	
330.0	LEVEL WITH A TOTAL TOLERANCE OF 1/8" (SHARED AREA)	
945.0	REPAIR AND PREPARE WALL FOR NEW PAINT, AS NEEDED (AT EXISTING TALL CABINET)	
950.0	PAINT EXISTING DOOR/WINDOW FRAME	

5

4

GENERAL NOTES

- 1. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.
- 2. AS PART OF THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS, THE CONTRACTOR SHALL ENDEAVOR TO IDENTIFY AND NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
- 3. THE ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL THE TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES. QUANTITIES ARE TO BE PROVIDED AS SHOWN ON DRAWINGS OF OTHER DISCIPLINES BUT LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE
- AND EXACT LOCATION OF ALL PARTS OF THE WORK. 4. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN; DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
- 5. CONTRACTOR TO FOLLOW CURRENT ANSI 117-1 STANDARDS AS REPRESENTED ON SHEET G301, GENERAL ACCESSIBILITY GUIDELINES. NOTIFY ARCHITECT IF THE DESIGN DRAWINGS CONFLICT WITH THIS SHEET.

DIMENSION NOTES

- 1. ALL DIMENSIONS ARE TO CENTER OF STUD WALL OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. WHERE THE END OF A WALL IS INDICATED THE DIMENSION IS TO THE FINISH SURFACE OF THE WALL END.
- 2. UNLESS DIMENSIONED OTHERWISE, THE DIMENSION FROM THE BUCK OF A DOOR FRAME IS TO BE 4" TO THE WALL CORNER.
- 3. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED





			LEGEND - FIN	SH	
MARK	PRODUCT DESCRIPTION	MANUFACTURER	NAME	COLOR	COMMENTS
LOOR					
F1	LINOLEUM	MANNINGTON	BIOSPEC SR 67361	SANDRIFT	MAIN COLOR
F2	LINOLEUM	MANNINGTON	BIOSPEC SR 67203	FLAX	ACCENT COLOR (AT X-RAY AREA)
F3	LINOLEUM	MANNINGTON	BIOSPEC SR 67369	BEDROCK	ACCENT COLOR (AT DOOR & AROUND X-RAY)
B1	LINOLEUM	MANNINGTON		SANDRIFT / FLAX / BEDROCK	4" COVED - CARRY OVER SAME COLOR AS FLOORING WHERE IT OCCURRS
PAINT					
P1	LATEX PAINT - EGGSHELL	SHERWIN WILLIAMS		PURE WHITE SW 7005	BASE COLOR
P2	LATEX PAINT - EGGSHELL	SHERWIN WILLIAMS		AUSTERE GRAY SW6184	ACCENT COLOR
P3	LATEX PAINT - EGGSHELL	SHERWIN WILLIAMS		PORPOISE SW7047	DOOR FRAME & WINDOW FRAME
SURFACE					
					CLOSS LINE FINISH
PL1	PLASTIC LAMINATE	WILSONARI			

GENERAL FINISH NOTES

1. ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DOOR, U.N.O.

4

- 2. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
- 3. COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
- 4. AT SOFFITS RECEIVING COLOR- PAINT ALL SIDES OF SOFFIT.
- 5. ALL WOOD TRIM TO BE STAINED TO MATCH DOOR STAIN. 6. ALL COUNTERTOP, BACKSPLASHES, AND EDGE BANDING TO HAVE COORDINATING
- FINISHES. 7. PROVIDE A SMOOTH TRANSITION AT ALL FLOOR MATERIALS - CONTRACTOR TO INSTALL ALL FLOOR FINISHES AT SAME LEVEL, DESPITE DIFFERENT THICKNESS. PROVIDE FLOOR TRANSITION WHERE OCCURS.
- 8. GYPSUM BOARD SOFFITS TO BE PAINTED WHITE.
- 9. ALL EXPOSED CEILINGS TO BE PAINTED (WHERE OCCURS). REFER TO REFLECTED CEILING PLANS. COORDINATE WITH ARCHITECT FOR PAINT COLOR.

FINISH PLAN SYMBOLS





GENERAL CEILING NOTES

ELECTRICAL WORK, PIPING, ETC.

1. REFER TO DETAIL A2/A500 FOR TYPICAL CEILING SUSPENSION &

5

- SEISMIC BRACING 2. REFER TO DETAIL A3/A500 FOR TYPICAL SUSPENDED GYP. BOARD
- CEILINGS 3. ALL UNIDENTIFIED CEILING TYPES ON THE PLANS SHALL BE TYPE " A"
- AT 9'-0" A.F.F. GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE
- 5. PAINT BLACK ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS,
- 6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES, AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES
- 7. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES
- 8. MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD
- 9. ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF CONCRETE FLOOR SLAB

KEYED NOTES			
KEY VALUE	KEYNOTE TEXT		
00.1	NON-STRUCTURAL METAL STUD FRAMING WALL WITH (1) LAYER OF GYPSUM BOARD ON EACH SIDE. PREPARE FOR NEW FINISHES		
14.2	SCHEDULED PAINT, EXISTING CEILING / SOFFIT. REPAIR, PATCH AND PREPARE EXISTING CEILING / SOFFIT FOR NEW PAINT		

CEILING LEGEND

A- SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING

CEILING SYMBOLS

ELECTRICAL	
	2'X4' FLUORESCENT FIXTURE
	2'X2' FLUORESCENT FIXTURE
	1'X4' FLUORESCENT FIXTURE
 1	FLUORESCENT STRIP FIXTURE
0	RECESSED DOWN LIGHT
\diamond	WALL WASH
	1'X4' FLUORESCENT FIXTURE
\otimes	EXIT SIGN, SINGLE-SIDED
\otimes	EXIT SIGN, DOUBLE-SIDED
F	FIRE ALARM
S	SPEAKER
P	SMOKE DETECTOR
Ŵ	WIRELESS INTERNET
MECHANICAL	
\boxtimes	SUPPLY GRILLE
	RETURN GRILLE
	EXHAUST GRILLE
	LINEAR DIFFUSER
\otimes	SPRINKLER HEAD - CEILING MO
⊽	SPRINKLER HEAD - WALL MOUN







2

1



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

4

3









SHADED AREA INDICATES 18" X 3½" VERTICAL _ WALL DUCT WITH 2 DIVIDERS AND METAL COVER PLATE (FLOOR TO CEILING). SEE X-RAY VENDOR'S DRAWINGS FOR ADDITIONAL INFORMATION.

5

 $\langle P1 \rangle$ 00000 EXISTING LEAD APRON RACK (REMOVE, SALVAGE & REINSTALL)

ARCHITECTURAL MILLWORK KEY



CABINET MEASUREMENTS SHOWN ARE ACTUAL SIZES. BASE CABINET HEIGHTS ALLOW FOR A COUNTERTOP 1 1/2" THICK. CABINET DEPTHS ARE MEASURED FROM THE BACK TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE)

** NOTE:

F DENOTES FILE DRAWER (S)

MILLWORK LEGEND

- 1. MILLWORK DIMENSION NUMBERS ARE WIDTH X HEIGHT X DEPTH.
- 2. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP
- 3. CABINET DEPTHES ARE MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
- 4. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
- 5. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANS OR ELEVATIONS.
- 6. ALL COUNTERTOPS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
- PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
- 8. ALL MILLWORK TO FINISHED ON ENDS, TYP.
- CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, COAT RACKS, PENCIL SHARPENER BLOCKS, T.V. BRACKETS AND PROJECTION SCREENS AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC.... NOTE: ONLY 2X WOOD BLOCKING IS ACCESPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
- 10. REFER TO SHEET A110.3 FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.

	KEYED NOTES
KEY VALUE	KEYNOTE TEXT
904.0	GYPSUM BOARD PAINTED WHERE EXPOSED
912.0	SCHEDULED BASE
1022.0	STAINLESS STEEL GROMMET, GLOVE BOX DISPENSER ACCESS HOLE
A10101	

A4 X-RAY ROOM - 3D VIEW 2





2

1

— EXISTING LEAD APRON RACK (REMOVE, SALVAGE

& REINSTALL)

3

-(902.0)

912.0



4

D4 CONTROL ROOM - SOUTH ELEVATION SCALE: 1/2" = 1'-0"



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





KEYED NOTES		
KEY VALUE	KEYNOTE TEXT	
900.1	NON-STRUCTURAL METAL STUD FRAMING WALL WITH (1) LAYER OF GYPS EACH SIDE. PREPARE FOR NEW FINISHES	
902.0	1-5/8" METAL STUD FRAMING	
904.0	GYPSUM BOARD PAINTED WHERE EXPOSED	
912.0	SCHEDULED BASE	
A10101		



NOTES:

1. ALL METAL COMPONENTS MUST BE NON FERROUS METAL.

2. REFER TO PDC DRAWINGS FOR ADDITIONAL INFORMATION.

SCHEDULED COUNTERTOP BLOCKING AS REQ'D FLUSH PLASTIC LAMINATE DRAWER FACE W/ ADJUSTING

MELAMINE INTERIOR SURFACE MELAMINE OVER 1/4" THICK HARDBOARD BACK-DADO INTO BOTTOM & SIDES

FLUSH PLASTIC LAMINATE DOOR W/ 3/4" SUBSTRATE

GANGED CABINETS SHIM 2X BLOCKING FOR GAPS AT FLOORS UP TO 1/2", IF GREATER THAN 1/2" GENERAL CONTRACTOR TO APPLY CEMENTIOUS LEVELING COMPOUNDS AS APPROVED BY ARCHITECT.

PARTITION + FRAMING GENERAL NOTES

FRAMED WALL PARTITIONS

- 1. PARTITION TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES. SEE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
- 2. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
- 3. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
- a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE. b. USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR EST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
- c. USE STUDS OF GAUGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAUGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAUGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS. 4. USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH STATED BY THE
- REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS
- 5. PROVIDE FIRE RATED CONSTRUCTION ASSEMBLIES WHERE INDICATED ON SHEETS G100'S AND FLOOR PLAN DRAWINGS.
- 6. ALL DIMENSIONS ARE CENTER OF STUD OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. FACE OF FINISHED WALL WILL BE NOTED AS FOW.
- AT ALL INTERIOR WALLS, STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE. UNLESS NOTED OTHERWISE.
- 8. WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- 9. ALL METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET, THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE
- 10. REFER TO SHEET AXXX FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATED WITH ALL METAL STUD PARTITIONS.
- 11. PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING. INSTALL PER DETAILS XX, XX AND XX/ AXXX FOR CONTROL JOINTS.
- 12. AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES, MAXIMUM. THE OPENING FOR DUCTS OR LARGE PENETRATIONS SHALL BE FRAMED WITH A HEADER, ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 3" FROM FRAMING TO THE OPENING.
- 13. PROVIDE BLOCKING / BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOUNT SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL PER SHEET AXXX.
- 14. WHERE THERE IS LIMITED WATER EXPOSURE: INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:
- a. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS b. AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
- 15. INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED PARTITIONS AT THE FOLLOWING LOCATIONS.
- 16. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS. a. WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLANS
- AND/OR INTERIOR ELEVATIONS. b. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS
- 17. WHERE NEW WALLS OR FURRING ARE INDICATED TO BE DIMENSIONED OFF OF AN EXISTING WALL, THE NEW WALL SHALL BE STRAIGHT AND PLUMB REGARDLESS OF THE CONDITION OF THE EXISTING WALL.
- 18. ALL EXTERIOR STUD WALLS TO HAVE CONTINUOUS INSULATION, VAPOR BARRIER AND AIR INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL, SEAL ALL PENETRATIONS. SEE DETAILS ON SHEET AXXX FOR TYPICAL TOP OF WALL CONDITION 19. THE AIR INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR OPENINGS.
- 20. SEE DETAIL XX AND XX ON SHEET AXXX FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS
- MASONRY OR CONCRETE WALLS
- SEE STRUCTURAL PLANS FOR ADDITIONAL CONCRETE AND MASONRY WALL INFORMATION.
- 2. SEE EXTERIOR ELEVATIONS FOR COURSING, MASONRY TYPES AND METAL PANEL ORIENTATION PER XX ELEVATION SHEETS.
- ALL MASONRY WALLS ARE TO BE REINFORCED AND ARE TO BE SET ON REINFORCED FOOTINGS. SEE THE XX ELEVATION SHEETS FOR LOCATION OF CONTROL JOINTS. WHERE NOT NOTED, CONTROL JOINTS TO BE LOCATED AS PER THE REQUIREMENTS FOUND IN THE STRUCTURAL DOCUMENTS BUT ARE NOT TO EXCEED 30' OC. SEE THE STRUCTURAL DRAWINGS FOR REINFORCING AND OTHER DETAILS PERTAINING TO MASONRY WALLS. IF NOT OTHERWISE NOTED, LOCATE CONTROL JOINTS AT CORNER ABOVE DOORS, INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. CONSULT WITH ARCHITECT PRIOR TO INSTALLING PER DETAIL XX/ AXXX.
- 4. SEE IBC 2009, CHAPTER 7 FOR FIRE RESISTIVE REQUIREMENTS ON NEW CONCRETE AND CONCRETI MASONRY UNIT WALLS. CMU WALLS (IBC TABLE 720.1(2), ITEM 3)
- CAST IN PLACE CONCRETE WALLS (IBC TABLE 721.2.1.2(1))
- 5. REFER TO DETAIL SHEET **AXXX** FOR TYPICAL WALL CONDITIONS ASSOCIATED WITH ALL AND MASONRY PARTITIONS.
- 6. AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., MASONRY IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES, MAXIMUM.
- PROTECTION OF MASONRY: DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK, EXCEPT WHEN THE AMBIENT TEMPERATURE IS EXPECTED TO REMAIN ABOVE 65 DEG F AND NO PRECIPITATION IS FORECAST FOR THE NEXT 24 HOURS. (THIS IS TO PREVENT CONDENSATION FROM COVERED WALLS CAUSING A MOISTURE PROBLEM.) COVER PARTIALLY COMPLETED MASONRY EACH DAY THAT CONSTRUCTION IS NOT IN PROGRESS. WALLS ARE TO BE PROTECTED UNTIL THEY ARE PERMANENTLY PROTECTED BY THE ROOFING MEMBRANE OVER THE CAP PLATE. THE GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY PROTECTION IMMEDIATELY FOLLOWING THE TOPPING OUT OF EACH SECTION OF WALL BY INSTALLING WATERPROOF SHEETING OVER A CONTINUOUS CAP PLATE UNTIL THE ROOFING MEMBRANE IS INSTALLED. A SOLID GROUTED TOP BOND BEAM SHALL NOT BE CONSIDERED ADEQUATE PROTECTION FOR THE WALL.
- 8. IT IS ACCEPTABLE TO PLACE NON-INTEGRAL COLORED CMU IN PORTIONS OF WALLS INDICATED TO BE CONSTRUCTED OF INTEGRAL COLOR CMU IF THE DOCUMENTS SHOW THESE PORTIONS OF WALL PAINTED OR COVERED WITH TILE, STUD FURRING, ABOVE CEILINGS OR UNDER ROOFING MEMBRANE. IT IS NOT ACCEPTABLE TO UTILIZE NON INTEGRAL COLORED CMU BEHIND CABINETS. FURNISHINGS AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CLIMBING WALLS AND LOCKERS.
- 9. AT ALL SPLIT FACE AND PAINTED CMU THE HORIZONTAL AND VERTICAL MORTAR JOINTS ARE TO BE CONCAVE. AT ALL HONED BLOCK THE HORIZONTAL MORTAR JOINT IS TO BE A WEATHERED JOINT AND ALL VERTICAL JOINTS ARE TO BE RAKED.
- 10. PROVIDE A 3/4" CHAMFER ALL INTERIOR EXPOSED VERTICAL MASONRY CORNERS FROM 8" AFF TO BOTTOM OF MASONRY LINTEL OR IF NO LINTEL EXISTS, STOP CHAMFER @ FIRST MASONRY JOINT BELOW CEILING. NOTE THAT THIS CHAMFER IS NOT TO BE PROVIDED AT CORNERS SHOWN IN THESE DOCUMENTS AS COVERED WITH WALL TILE. SEE DETAIL
- 11. **PROVIDE SPECIAL SHAPES**, SUCH AS "U" SHAPED CHANNEL FOR LINTELS OR HEADERS AND CAPPING UNITS FOR SASH AND OTHER SPECIAL CONDITIONS.
- 12. WHERE SPLIT FACE BLOCK IS SHOWN EXTENDING TO THE TOP OF A PARAPET, PROVIDE AN INTEGRAL COLOR SMOOTH FACE BLOCK AT THE TOP COURSE TO ALLOW THE CAP FLASHING TO FIT TIGHT AGAINST THE WALL.
- 13. CONTRACTOR TO COORDINATE AND PROVIDE SMOOTH MASONRY AT ALL FLASHING, REGLETS, GUTTERS, EDGES OF CEILING AND BASE AND OTHER ITEMS REQUIRING A SMOOTH FINISH THAT ARE HIDDEN. AT VISIBLE LOCATIONS SUCH AS DOOR AND WINDOW FRAMES, PERPENDICULAR WALLS, GRIND SPLIT FACED BLOCK PER DETAIL XX/ AXXX.

- STAINLESS STEEL GROMMET FOR GLOVE GLOVE BOX DISPENSER SYSTEM, WHERE

 - SCHEDULED COUNTERTOP
 - & BACKSPLASH LOCK WHERE OCCURS
 - DRAWER BOX W/ HARDBOARD
 - FLUSH PLASTIC LAMINATE DRAWER FACE W/ ADJUSTING MECHANISM
 - CABINET PULL ADJUSTABLE SHELF W/ MELAMINE BOTH SIDES
 - BORE HOLES, 1-1/4" O.C.
 - FLUSH PLASTIC LAMINATE DOOR W/ 3/4" SUBSTRATE
 - BLOCKING AS REQ'D
 - SCHEDULED BASE

TOE KICK - TYP SCALE: 6" = 1'-0"

VCBO NUMBER: DATE:

Ŷ

C

N

#

M

Z

 \geq

R

4

ш

5

ш

C

R

Σ

Ш

C

 \geq

Ś

MNO.

S

В

 $\boldsymbol{\square}$

Ш

TAIN COT

UTH UTH

Ш Ю

51

NTERIOR FRAMING.

CEILING DETAILS &

CASEWORK DETAILS

 \mathbf{O}

Š

A500

20370 06/08/2020

1	2 3
	C Lesste all existing reinforcement and amhadded items prior to drilling into concrete or mesonny.
1. Design Criteria	elements. Do not damage rebar or embeds while drilling or installing anchors.
1.1. Governing Building Code	H. Grout all defective or abandoned holes with non-shrink grout or an injectable epoxy adhesive matching the surrounding concrete compressive strength. Consult the Architect for additional
	requirements at architecturally exposed concrete.
1.2. Earthquake A. Seismic Design CategoryD	 Drilled anchors are not allowed in post-tensioned concrete without approval of the Architect and Engineer.
 Note that all Unistrut connections must meet code requirements for a high seismic application. Spectral Response Accelerations 	J. Carbon steel anchors are limited to use in dry, interior locations.
$S_s = 1.488 \text{ g}$ $S_{Ds} = 0.992 \text{ g}$	
C. Soil Site Class	5. Special instructions
D. Importance Factor, I _e 1.5	5.1. The project specifications are not superseded by the General Structural Notes but are intended to be
2. Concrete	and specific details on the drawings shall take precedence over General Structural Notes and typical
E 2.1 Materials shall comply with the Standards specified in American Concrete Institute (ACI) 318-14	details.
"Building Code Requirements for Structural Concrete."	5.2. The architectural drawings are the prime contract drawings. Consultant drawings by other disciplines
A. Concrete mix design requirements shall be as follows. fc at Max Air Max Exposure	are supplementary to the architectural drawings. All omissions or conflicts, including dimensions, between the various elements of the consultants' drawings and/or specifications shall be brought to
Location 28 days W/C Content Aggregate Classes*	the attention of the Architect before proceeding with any work involved. In case of conflict, follow the
Concrete over Steel Deck 3000 0.45 - 3/4" F0 S0 C0	done by the Contractor after discovery of such discrepancy shall be done at the Contractor's risk.
freezing and thaving, sulfate, and corrosion protection of reinforcement, respectively.	5.3 The structural drawings shall be used in conjunction with the architectural drawings. Primary structural
1. Portland Cement (ASTM C150):	elements and overall structural layout are indicated within the structural plans and details. Some
a. Type I or II for exposure class S0. b. Type II or V for exposure class S1.	mechanical equipment and electrical equipment, are not indicated within the structural drawings.
 c. Type V for exposure class S2 and S3. 2. Ely Ash (ASTM C618, Class C or E); maximum fly ash content as a percentage of total weight. 	Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings.
of cementitious materials shall be 25 percent.	
C. Concrete Density (Maximum Air Dry Weight): 1. Normal weight concrete shall be approximately 145 to 155 pounds per cubic foot. Aggregate	5.4. Shoring and Bracing Requirements: A. Floor and Roof Structures The General Contractor is responsible for the method and sequence
	of all structural erection. The Contractor shall provide temporary shoring and bracing as the method of erection requires to provide adequate vertical and lateral support. Shoring and bracing
lightweight coarse aggregates and either lightweight and/or normal weight fines meeting	shall remain in place as the chosen method requires until all permanent members are in place
ASTM C330. D. Admixtures:	shall not be considered stable until all connections are complete.
 Air-entraining admixtures, comply with ASTM C 260 (when used). Tolerance on air content as delivered shall be +/- 1.5% 	B. Foundation walls must be braced until the complete floor or roof systems is completed. Do not backfill until floor or roof systems are in place.
b. When air content of a trowel finished floor slab exceeds 3%, there is an increased risk for	C. Walls above grade shall be braced until the structural system is complete. Walls shall not be
delaminations and blistering to occur. When this situation is present, the Contractor shall pay special attention to the finishing procedures to help minimize such risks. Refer to ACI	considered to be sen-supporting.
302.1R-15 "Guide for Concrete Floor and Slab Construction" for proper finishing quidelines	5.5. Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop
2. Corrosion Inhibiting admixture, comply with ASTM C1582 (when used):	drawing review shall not relieve the Contractor of the responsibility of completing the project according
a. Corrosion inhibiting additive containing a minimum of 30 percent calcium nitrite dosed at 3 gallons per cubic yard shall be added to all reinforced concrete with exposure class C2.	to the contract documents. The General Contractor shall review and mark all shop drawings prior to submitting them to the Architect for review. Shop Drawings made from reproductions of (these)
 The use of super plasticizers and water reducers is allowed, but not required. Calcium chloride or admixtures containing calcium chloride shall not be added to the concrete 	contract drawings will be rejected.
D E Chloride Ion: Movimum water coluble chloride ion concentrations in herdened and to the control of	5.6. Project Coordination: It shall be the responsibility of the General Contractor to coordinate with all
between 28 and 42 days contributed from the ingredients including water, aggregates,	trades any and all items that are to be integrated into the structural system. Openings or penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the
cementitious materials, and admixtures shall not exceed a maximum, by weight of cement, of 1.00% for concrete with exposure class C0. 0.30% for concrete with exposure class C1. 0.15%	responsibility of the General Contractor and shall be coordinated with the Architect/Engineers. The order of construction is the responsibility of the General Contractor. It is the Contractorie chlication to
for concrete with exposure class C2, and 0.06% for all prestressed concrete.	provide all items necessary for the chosen procedure.
reducing admixtures. The concrete supplier shall indicate the final slump of each concrete mix in	5.7. Contractor shall field verify all dimensions and conditions. If the contract drawings do not represent
the submitted mix design.	actual conditions, Contractor shall notify Architect/Engineer prior to fabrication or construction within
2 Structural Staal	
	5.8. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby convrighted by Reaveley Engineers. Submission or distribution of documents to most official
3.1. Material: $\Delta = M/Shapes: \Delta STM \Delta QQ2 (E = 50 kci) except on poted athenuice$	regulatory requirements or for similar purposes in connection with the project is not to be construed
B. All Other Shapes and Plates: ASTM A36 (Fy = 36 ksi), except as noted otherwise	as publication in derogation of Reaveley Engineers' reserved rights. The documents defining the structure are instruments of service prepared by Reaveley Engineers for one use only. Furthermore,
3.2 Eabrication and construction shall comply with the following Codes and Standards	these documents shall not be reproduced, or copied, in whole or in part by the Contractor or subcontractors for preparation of shop drawings or other submittals
A. American Institute of Steel Construction (AISC) 360-16, "Specification for Structural Steel	
Buildings" B. AISC 303-16, "Code of Standard Practice for Steel Buildings and Bridges" excluding the following:	
Section 3.3 (last sentence of first paragraph), Section 4.4, Section 4.4.1, Section 4.4.2, Section 4.5, and Section 7.13.3	6. Quality Assurance
1. The architectural drawings are the prime contract drawings. Consultants' drawings by other	6.1. Quality Assurance Agency Requirements:
disciplines are supplementary to the architectural drawings. The structural drawings shall be used in conjunction with the architectural drawings. Detailing and shop drawing production for	inspection and quality assurance testing for the project. The QAA shall provide all information
structural elements will require information (including dimensions) contained in architectural, structural, and/or other consultants' drawings. Refer to the Special Instructions section of the	necessary for the building official to determine that the agency meets the applicable requirements. 1. The QAA shall be objective, competent and independent from the Contractor responsible for
general notes, below.	the work being inspected. The agency shall disclose to the building official and the registered
C. AISC/RCSC 2014, "Specification for Structural Joints Using High-Strength Bolts" D. American Welding Society (AWS) D1.1:2015, "Structural Welding Code – Steel" (specific items	be confirmed.
do not apply when they conflict with the AISC requirements)	 The QAA shall have adequate equipment to perform required tests. The equipment shall be periodically calibrated.
(specific items do not apply when they conflict with the AISC requirements)	3. The QAA shall employ experienced personnel educated in conducting, supervising and
3.3. Structural shapes and plates shall be fabricated from newly rolled (milled) one-piece sections without splices, unless specifically noted otherwise on the structural drawings. Connections for structural steel	evaluating tests and special inspections. Experience or training shall be considered relevant
C shall comply with the structural drawings, unless written approval is given by the Structural Engineer.	where the documented experience or training is related in complexity to the same type of special inspection or testing activities for projects of similar complexity and material gualities.
3.4. Welding:	4. The QAA shall send copies of all inspection and testing reports to the building official, Owner, Architect, Engineer and Contractor, Benefic and testing reports to the building official, Owner,
A. It is recommended the steel erection contractor and steel fabricator contact the Quality Assurance Agency prior to beginning any welds. A program of joint preparation and welding procedures	not completed in conformance to the approved construction documents. Discrepancies shall
should be worked out between the two parties before the welding is started so that correct welds	be brought to the immediate attention of the Contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the. Architect and Engineer.
will be made from the beginning. B. Certification of Welders: All shop and field welding shall be executed by AWS certified welders	5. The QAA shall submit a final report documenting required special inspections and tests, and
who have been specifically certified for the process of welding being performed. The welder's certification will be considered as being current unless the welder is not engaged in the process	distributed to the building official, Owner, Architect and Engineer in a timely manner prior to
of welding being performed for a period exceeding six months or there is a specific reason to	the completion of the project.
Standards. Certification and appropriate records must be provided to the Architect prior to	6.2. Contractor Responsibilities:
beginning work. C. Electrodes: E-70 XX or as noted otherwise. E60 XX may be used for welding steel floor and roof	A. The Contractor shall submit a written statement of responsibility to the building official and the Owner or the owner's authorized agent prior to the commencement of work on the systems or
decks. D. Minimum Welds: All intersecting steel shapes that are not holted shall be connected by a fillet	components listed in the statement of special inspections. The Contractor's statement of responsibility shall contain acknowledgement or awareness of the special requirements contained
- weld all around, unless noted otherwise. Fillet weld sizes that are not shown shall be 1/16" less	in the statement of special inspections.
than the thinnest of the connected parts for thicknesses 1/4" and larger. Fillet welds on plates less than 1/4" shall be of the same size as the thinnest of the connected parts.	and testing may be performed as outlined in the statement of special inspections.
3.5 Bolted Connections:	6.3. Structural Observations by the Engineer of Record.
A. Provide snug tightened joints with Group A (threads not excluded) bolts for steel to steel	A. The Engineer of Record will perform structural observations at critical phases of the project.
connections, unless noted otherwise. Snug tightened joints shall be used in connections for simple span framing and beam (or girder) to bearing plate connections. Snug tight is the condition	system. Copies of the Engineer's report will be distributed to the Architect, Contractor, Owner,
that exists when all of the plies in a connection have been pulled into firm contact by the bolts in the ioint and all of the bolts in the ioint have been tightened sufficiently to prevent the removal of	and building official. B. Observation visits to the site by the Engineer's field representatives shall not be construed as
the nuts without the use of a wrench. The snug tightened condition is typically achieved with a for impacts of an impact wrench, application of an electric terms where the terms of t	inspection or approval of construction.
to slow, or the full effort of a worker on an ordinary spud wrench.	7 Statement of Organial Incomentations
B. Provide nardened washers beneath the turned element of all bolts or nuts. Provide hardened beveled washers, to compensate for the lack of parallelism, where the outer face of the bolted	1. Statement of Special Inspections
parts has a slope greater than one in twenty with respect to the plane normal to the bolt axis. Hardened washers or plates installed over oversized holes or slotted holes shall be at least 5/16"	7.1. The following materials, systems and components require special inspection or testing per Chapter 17 of the International Building Code (IBC)
thick and shall conform to ASTM F436. Plates or bars installed at slotted holes shall have a size	
B sufficient to completely cover the slot after installation. C. Bolts, nuts and washers shall not be reused.	7.2. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases, periodic inspections/tests shall be performed prior to
	commencing the task, intermittently during the task, and at the completion of the task. Frequency
4. Miscellaneous	of every task.
1 Dest-Installed Anchors in Constant	7.3. Re-purposed anchor points require special inspection.
A. Anchorage to hardened concrete shall include all mechanical and adhesive anchors and epoxy	
doweled reinforcing bars of size, quantity, spacing, and embedment as shown on the drawings. Additional anchors shall not be used without approval from the Engineer prior to installation	Concrete Construction per IBC Sections 1705.3 &1705.12
B. Special inspection is required during the installation of all post-installed anchors. Refer to applicable code evaluation reports and the Quality Assurance and Statement of Special	Item Frequency Detailed Instructions Post-installed adhesive anchors Continuous All post installed anchors /downloachell back
Inspections sections of the General Structural Notes.	installed in horizontally or upwardly continuous All post-installed anchors/dowels shall be special inspected in accordance with the
 Ancnorage to Concrete: 1. All post-installed anchors into hardened concrete shall be selected from the following pre- 	inclined orientations to resist approved code evaluation report and with ACI sustained tension loads Section 17.8.2.
approved products, unless noted otherwise:	Post-installed mechanical anchors Periodic
Steel Screw Anchor Evaluation Report Hilti KWIK HUS-EZ ICC ESR-3027	above
DeWalt Screw-Bolt+ ICC ESR-3889 Simpson Titen HD ICC ESR-2713	
Steel Expansion/Wedge Anchor Evaluation Report	
Hilti KWIK Bolt TZ ICC ESR-1917	
DeWalt Power-Stud+ SD2 ICC ESR-2427	
Simpson Strong-Bolt 2 ICC ESR-3037	
Adhesive Anchor System Evaluation Report	
Hilti HIT-RE 500-SDICC ESR-3167Hilti HIT-RE 500-SDICC ESR-2322	
DeWalt AC200+ICC ESR-4027DeWalt Pure 110+ICC ESR-3298	
Simpson SET-XP ICC ESR-2508	
 Adhesive anchors shall be installed into concrete having a minimum age of 21 days. For installations sooner than 21 days, consult the adhesive manufacturer. 	
A D. Alternate anchors or adhesives are permitted with approval of the Engineer. The Contractor shall	
submit the proposed anchor product data and code evaluation report demonstrating the anchor is equivalent or exceeds the capacity of the specified anchor.	
E. Installation of adhesive anchors horizontally or upwardly inclined to support sustained tension loads shall be performed by personnel contified by an applicable contification processes	
Certification shall include written and performance tests in accordance with the ACI/CRSI	
Addesive Anchor Installer Certification program, or equivalent. Proof of current certification shall be submitted to the Engineer for approval prior to commencement of installation.	
F. Anchors shall be installed according to the Manufacturer's Printed Installation Instructions and applicable code evaluation reports including:	
applicable code evaluation reports including.	
2. Adhaatiya minima maaraa firmaana ku	

	4	
	PLAN LEGEND	
STEEL BRACED FRAME		EXIS FOU
STEEL BEAM OR GIRDER	Т	EXIS
STEEL JOIST OR PURLIN		EXIS
HORIZONTAL BRIDGING		EXIS
□ STEEL COLUMN - TUBE (HSS)		

EXISTING CONCRETE SHEAR WALL, FOUNDATION WALL OR RETAINING WALL

EXISTING STEEL COLUMN - WIDE FLANGE — EXISTING STEEL BEAM OR GIRDER EXISTING STEEL JOIST OR PURLIN

		ABBREVIATIONS
	@	AT
	AB ABV	ANCHOR BOLT (S) ABOVE
	ALT	ALTERNATE
	APPROX	APPROXIMATE
	ARCH BLDG	ARCHITECT(URAL) BUILDING
	BLW	BELOW
	BM	BEAM
	BRG	BEARING
	BTWN	BETWEEN
	CJ	CONSTRUCTION JOINT OR CONTROL
	CJP	COMPLETE JOINT PENETRATION
	CMU	CONCRETE MASONRY UNIT
		COLUMN
	CONST	CONSTRUCTION
	CONT	CONTINUOUS
	CONTR	CONTRACTOR
	D.B.	DECK BEARING
	db	DIAMETER OF REINFORCING BAR
	DBA DBL	DEFORMED BAR ANCHORS DOUBLE
	DET	DETAIL
	DIA (OR Ø)	DIAMETER
	DIAG	DIMENSION
	DK	DECK
	DN	DOWN
	DWL	DOWEL
	E.F.	EACH FACE
	E.J.	EXPANSION JOINT (SEISMIC SEPARATION JOINT)
	E.W.	EACH WAY
	EA	EACH
	ELEC	ELEVATION
	ELEV	ELEVATOR
	ENG	ENGINEER
	EQ EQUIP	EQUAL
	EXIST (E)	EXISTING
	EXP	EXPANSION / EXPOSED
	F.D.	FLOOR DRAIN
	F.F.	FINISH FLOOR
	F.V.	FIELD VERIFY
	FIN	FINISH
	FL	FLOOR
	FT FTG	FOOT
	GA	GAUGE
	GALV	GALVANIZED
	GLB GR	GLU-LAMINATED BEAM
	GSN	GENERAL STRUCTURAL NOTES
	HB	HORIZONTAL BRIDGING
	HORIZ	HEADED STUD ANCHORS
	HSS	HOLLOW STRUCTURAL STEEL
	HT	HEIGHT
	IBC	INTERNATIONAL BUILDING CODE
	ICC	INTERNATIONAL CODE COUNCIL
	IN	INCH INSULATION
	INT	INTERIOR
	JST	JOIST
	К	KIPS - 1,000 POUNDS
	KLF	KIPS PER LINEAL FOOT
	KSF	KIPS PER SQUARE FOOT
	LBS	
	Ld, Lt, Lsb,	SEE CONCRETE REINFORCING BAR
	LOUI, LUC, LSC	SCHEDULE
	LFRS	(SFRS & WFRS)
	LLH	LONG LEG HORIZONTAL
	LLV I SH	LONG LEG VERTICAL
	LSV	LONG SIDE VERTICAL
	MAS	MASONRY
	MAX MCJ	MAXIMUM MASONRY CONTROL JOINT
	MECH	MECHANICAL
	MFGR	MANUFACTURER
	MIN MISC	MINIMUM MISCELLANEOUS
	NIC	NOT IN CONTRACT
	NORM	NORMAL NOT TO SCALE
	0.C.	ON CENTER
	0.F.	OUTSIDE FACE
	OPNG OPP	OPPOSITE
	OWSJ	OPEN WEB STEEL JOIST
	P.T.	POST-TENSIONED
	PJP	POUNDS/CUBIC FOOT PARTIAL JOINT PENFTRATION
	PL	PLATE
		POUNDS/LINEAL FOOT
	PSF	POUNDS/SQ FOOT
	PSI	POUNDS/SQ INCH
	R.D. REINF	ROOF DRAIN REINFORCING
I		

	ABBREVIATIONS
REQD	REQUIRED
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SI	SPECIAL INSPECTION (SP. INSP.)
SIM	SIMILAR
SOG	SLAB ON GRADE
SQ	SQUARE
STAG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
&В	TOP AND BOTTOM
.0.	TOP OF
EMP	TEMPERATURE
HDS	THREADS
00	TOP OF CONCRETE
OCP	TOP OF CONCRETE PIER
OF	TOP OF FOOTING
OS	TOP OF SLAB
OST	TOP OF STEEL
OW	TOP OF WALL
ΥP	TYPICAL
JNO	UNLESS NOTED OTHERWISE
/ERT	VERTICAL
V.P.	WORK POINT
V/	WITH
VF	WIDE FLANGE
VFRS	WIND FORCE RESISTING SYSTEM
VT	WEIGHT
VWF	WELDED WIRE FABRIC
′D	YARD

6

PLAN MARKS		
3F <i>-</i> #	BRACED FRAME	
CB-#	CONCRETE BEAM	
CC-#	CONCRETE COLUMN	
CCSS-#	CANTILEVERED CONCRETE SUSPENDED SLAB	
CDP-#	CONCRETE DRILLED PIER	
CFW-#	CONCRETE FOUNDATION WALL	
CGB-#	CONCRETE GRADE BEAM	
CJ-#	CONCRETE JOIST	
CJC-#	CONCRETE JAMB COLUMN	
CL-#	CONCRETE LINTEL	
CP-#	CONCRETE PIER	
CRW-#	CONCRETE RETAINING WALL	
CSG-#	CONCRETE SLAB ON GRADE	
CSH-#	CONCRETE SHEAR HEAD	
CSS-#	CONCRETE SUSPENDED SLAB	
CSW-#	CONCRETE SHEAR WALL	
CW-#	CONCRETE WALL	
-C#	CONTINUOUS FOOTING	
FM#	MAT FOOTING	
R#	RECTANGULAR FOOTING	
S#	SQUARE FOOTING	
TS#	THICKENED SLAB FOOTING	
HD-#	HOLD DOWN ANCHOR	
MC-#	MASONRY COLUMN	
ИF-#	MOMENT FRAME	
/IL-#	MASONRY LINTEL	
MP-#	MASONRY PIER	
/W-#	MASONRY WALL	
PTB-#	POST-TENSIONED CONCRETE BEAM	
SBP-#	STEEL BASE PLATE	
SC-#	STEEL COLUMN	
SCP-#	STEEL CAP PLATE	
SD-#	STEEL DECK	
SDA-#	STEEL DECK ATTACHMENT	
SG-#	STEEL GIRDER	
SJ-#	STEEL JOIST	
SND-#	SNOW DRIFT	
NB-#	WOOD BEAM	
VBW-#	WOOD BEARING WALL	
NC-#	WOOD COLUMN	
ND-#	WOOD DIAPHRAGM	
NJ-#	WOOD JOIST	
NSW-#	WOOD SHEAR WALL	

STRUCTURAL DRAWING LIST		
SHT NO.	SHT NAME	
5-001	GENERAL STRUCTURE NOTES & LEGENDS & ABBREVIATIONS	
S-101	LEVEL 01 FRAMING PLAN	
6-501	EQUIPMENT SUPPORT DETAILS	

A5 LEVEL 01 FLOOR FRAMING PLAN S-101 SCALE: 1/4" = 1'-0"

		SYMBOLS LEGEND	
	E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.	
	02		
	A5 E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN	
E		SHELT WHERE ELEVATION OR SECTION IS SHOWN.	
	03 A5	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES	
	E-201	SHEET WHERE ELEVATION OR SECTION IS SHOWN.	
	04 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.	
	$105 \langle 1 \rangle$	KEYNOTE INDICATOR.	
	⁰⁹		
	¹⁰	BREAK, BOUND	
	12	NEW LINE: MEDIUM LINE.	
	13	HIDDEN FEATURES LINE: HIDDEN, THIN LINE	
	14	EXISTING TO REMAIN LINE: THIN LINE.	
	15	DEMOLITION LINE: DASHED, MEDIUM LINE	
	WIRING ME	THODS	
	01	WIRING.	
D	04	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND	
	A-1,3,5	NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE	
	05	ELECTRICAL SPECIFICATIONS.	
		BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND	
		NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS,	
	7, 1,0,0	EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS	
	08	WIRING AND/OR RACEWAY: THIN LINE, WHERE "X" = :	
		CATV = CABLE TELEVISION NC = NURSE CALL	
	— x —	CCTV =CLOSED CIRCUITP=POWERTELEVISIONRC=RIGID CONDUITFA=FIRE ALARMS=SOUND	
		FO=FIBER OPTICST=TELEPHONEI=INTERCOMTV=TELEVISION	
		OTHERS AS NOTED IN OTHER SCHEDULES. RACEWAYS AND WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.	
	09	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.	
	10 +	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.	
	11 1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.	
	12 HC	ADA ACCESS PUSH PLATE	
С	¹³ D	JUNCTION BOX.	
	15 D _{SC}	CONNECTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.	
	0 _{SE}	ROUGH-IN PER SECURITY DRAWINGS.	
	²¹	CABLE TRAY ABOVE ACCESSIBLE CEILING.	
	22 0 C	JUNCTION BOX, CEILING.	
		LADDER RACK.	
	²⁵ $igodot$	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.	
	LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)	
	01 (W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS	
	02	SCHEDULED.	
	(W-3)	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES	
	05		
	07	EGRESS DIRECTION ARROW (EXIT SIGNS).	
D		EXIT SIGN: SINGLE FACE; WALL MOUNTED	
		EXIT SIGN: DOUBLE FACE; CEILING MOUNTED	
	10	EXIT SIGN: DOUBLE FACE; WALL MOUNTED	
		CONTROL	
	01 *	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.	
	⁰²	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.	
	07	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.	
		VACANCY SENSOR, DUAL TECHNOLOGY, WALL.	
	(P) 18		
	a,b \$	"a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION	
	¹⁹ DC	DIGITAL LIGHTING DIMMING CONTROLLER	
	²⁰ LC	DIGITAL PLUG LOAD CONTROLLER	
	23 RC	DIGITAL LIGHTING ROOM CONTROLLER	
	26 (X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.	
A			
	02 ··	CCTV CABLE, POWER.	
	02 V	CCTV CABLE, VIDEO SIGNAL.	
		CCTV HEADEND EQUIPMENT.	
	05		
		COTTO CAMELANDE COURCE WITH LEINO, ITPICAL. SEE SCHEDULE.	

		SYMBOLS LEGEND
ç	SYMBOL	DESCRIPTION
W	IRING DE	VICES
02	₿	RECEPTACLE, DUPLEX: NEMA 5-20R.
03	ф _А	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
04	фс	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
06		RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLE
		RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION
12	Ш	REQUIREMENTS.
13		
14	<u>Ö</u>	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
16	.	POWER: NEMA 5-20R.
47	₿	INTERRUPTER: NEMA 5-20R.
17	₩	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R.
18	П	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT
	•	NEMA 5-20R.
19	₩ wp	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT
22		RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
23		RECEPTACLE, QUADRAPLEX ON EMERGENCY
24		POWER: NEMA 5-20R. RECEPTACIE OLIADRAPIEX HOSPITAL GRADE: NEMA 5-20R
25	 	RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENC
27	→	POWER: NEMA 5-20R. RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT
28		INTERRUPTER: NEMA 5-20R.
20	Ø	MATCH EQUIPMENT PLUG.
20		PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
30	₽□	RECEPTACLE, DRYER: NEMA 14-30R.
31	₿R	RECEPTACLE, RANGE: NEMA 14-50R.
33 J)	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
34		DROP CORD. SEE DETAIL.
36	<u> </u>	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO
	FB#	SPECIFICATIONS
37		
	PP#	DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR
38		
	PT#	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL
30		SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
10	Ф	SWITCH, DIMMER.
40	\$ \$	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED)
41	X \$2	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLEE
42	X \$3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
43	X \$4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
47	\$M	SWITCH, MOMENTARY.
53		RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT
54	₩	
		INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R.
56		
57	\bigcirc	
	サ	RECEPTACLE, DULEX, RECESSED, NEMA 5-20R, AUTOMATICALI CONTROLLED THROUGH TIME OR OCCUPANCY BASED
58		
	₩	RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANO
50	•	BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
59	#	INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED
		PLANS FOR CONTROL METHOD)
00 S	TRUCTUR	RED CABLING IHC
01	\bigtriangledown	IHC COMMUNICATIONS DEVICE (1 DATA).
02	V	IHC COMMUNICATIONS DEVICE (1 DATA / 1 ANALOG).
03	8	IHC COMMUNICATIONS DEVICE (1 DATA WALL PHONE).
04	V	IHC COMMUNICATIONS DEVICE (2 DATA).
05	▼3	IHC COMMUNICATIONS DEVICE (3 DATA).
06	▼4	IHC COMMUNICATIONS DEVICE (4 DATA)
07	▼6	
08	▼	IHC COMMUNICATIONS DEVICE (UDATA).
09		(1 DATA).
00		DATA).
02		
03		
04	В	BATHROOM PULL CORD STATION.
05	D	DUTY STATION.
00	Ē	EMERGENCY ASSISTANCE CALL STATION.
00	Есв	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
0/	P	PATIENT STATION.
80	S	STAFF STATION.
09	NCM	TOUCH SCREEN NURSE CALL MASTER STATION.
00 T\	/ DISTRIB	BUTION
01-	_T_	TV DISTRIBUTION CABLE, INDIVIDUAL DROPS.
02-		TV DISTRIBUTION CABLE, TRUNK.
03	CMB	COMBINER.
04		
07	•	
10		
	~ vvv/-	IERMINATOR, 75 OHM (IV DISTRIBUTION).

_____2

	SYMBOL	DESCRIPTION
		AL POWER AND DISTRIBUTION
		FUSE WITH RATING (ONE-LINE DIAGRAM).
		DISCONNECT, FUSED (ONE-LINE DIAGRAM).
.ER		DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
J	04	
		DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION
)	(ONE-LINE DIAGNAW).
	⁰⁵ S	OVERLOAD RELAY (ONE-LINE DIAGRAM).
	Ś	STARTER (UNE-LINE DIAGRAM).
		CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
	08	
ICY		CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
	10	
)		CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
		CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
	¹² GFP	MOTOR
	16	
		TRANSFORMER (ONE-LINE DIAGRAM).
	23	
	"1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
i		
)225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS
		SHOWN (ONE-LINE DIAGRAM).
	25	
D).	"1H"	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER
:D).	60/3	
).	2 7 225/3 225/3	
	"1H" "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
	225/3 "1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).
LY		CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).
ICY		TRANSFER SWITCH (ONE-LINE DIAGRAM).
		DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
0	³³ ⊷Ң⊣	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
	35 G	GENERATOR, POWER (ONE-LINE DIAGRAM).
		METER. VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE
		DIAGRAM). DISCONNECT SWITCH, FUSED.
	42 	DISCONNECT SWITCH, UNFUSED.
	43 X n	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	45 _	STARTER OR MOTOR CONTROLLER.
	• 46 •	
	47 <u>7</u>	PANELBOARD CABINET, FLUSH MOUNTED.
	48	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	49	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DP#	DISTRIBUTION PANEL OR SWITCHBOARD.
		LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	52 ■	LIGHTING CONTROL STATION.
	55 \$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	⁰⁰ 75	
	IECHNOLC	
		LIST FOR APPLICABLE DESIGNATIONS.
	x	C = CONTROL CABLE G = GROUND CABLE, 10 AWG, 1 CONDUCTOR, GREEN
		INSULATED M = MICROPHONE CABLE S = SPEAKER CABLE, 70 VOLT SYSTEM
	⁰²	Z = SPEAKER CABLE, 8 OHM SYSTEM
	03 н(S),,	SPEAKER, WALL MOUNTED.
	21	EQUIPMENT CABINET.

ę	SYMBOLS LEGEND			
	SYMBOL	DESCRIPTION		
FI	IRE ALARI	M		
)1	FSA	FIRE SYSTEM ANNUNCIATOR.		
)2	FCP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.		
)3	FPS	FIRE ALARM NOTIFICATION POWER SUPPLY.		
)4	FTR	FIRE ALARM TRANSPONDER OR TRANSMITTER.		
)5	HVA	SMOKE CONTROL PANEL.		
6		AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE		
	С	FURNISHED WITH DOOR HARDWARE AND CONNECTED TO BY FIRE ALARM INSTALLERS.		
)7				
8				
9				
0	Ρ	FIRE ALARM MANUAL PULL STATION.		
0	R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A		
		FIRE.		
1	<u>5</u>	MAGNETIC DOOR HOLDER.		
2		FIRE SERVICE OR EMERGENCY TELEPHONE STATION, ACCESSIBLE.		
3		FIRE SERVICE OR EMERGENCY TELEPHONE STATION,		
4		FIRE SERVICE OR EMERGENCY TELEPHONE STATION, JACK.		
5		DETECTOR SMOKE		
6		DETECTOR, SMORE.		
7	A (DETECTOR, SMOKE WITH AUXILIARY CONTACT.		
<u>'</u>	(2) _{BR}	DETECTOR, SMOKE, BEAM RECEIVER.		
8	() BT	DETECTOR, SMOKE, BEAM TRANSMITTER.		
9	(2) E	DETECTOR, SMOKE, ELEVATOR RECALL DESIGNATION.		
20	(2)	DETECTOR, SMOKE WITH GUARD.		
21		DETECTOR. SMOKE. RESIDENTIAL.		
22	<u> </u>			
	2	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.		
23				
24		DETECTOR, HEAT.		
	\nearrow	INDICATOR LAMP.		
05				
	\boxtimes	STROBE.		
26	75	STROBE. SUBSCRIPT INDICATES CANDELA RATING.		
27		ALARM, HORN/SPEAKER, WEATHERPROOF.		
28	$\boxtimes \Box$	ALARM, HORN/STROBE, ONE ASSEMBLY.		
9	<u> </u>	ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT		
0				
31				
2		ALARM, HORN/STROBE WITH GUARD, ONE ASSEMBLY.		
<u> </u>	M []	ALARM, MINI HORN/STROBE, ONE ASSEMBLY.		
33	E	SPEAKER, EVACUATION.		
84	E	SPEAKER, EVACUATION, COMBINATION STROBE.		
5	ç	DETECTOR, FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM		
	\diamond	AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.		
6		DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES		
	X	SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.		
87				
	_ 5D	SMOKE DAMPER.		
8				
		FIRE AND SMOKE DAMPER.		
9				
0	<u></u>	BELL (GONG).		
7	(co)	DETECTOR, CARBON MONOXIDE.		
1				
2		DETECTOR, SMOKE/STROBE, RESIDENTIAL.		
		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.		
.3		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.		
3	 ∠⊗< 75 ∠⊙< 75 ∞ 75 	DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT		
3	 ∠ (€) ∠ (€) ∠ (75) ∠ (75) ⊘ (75) ⊗ (75) ECUBITY 	DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.		
3 4 00 S	© 75 © 75 © 75 ECURITY	DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE		
3 4 00 11- 12		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.		
3 4 0 1 1 1 2 3		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT.		
3 4 00 01 01 02 03		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL.		
3 4 00 01- 02 03 04		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT.		
3 4 00 01 02 03 04		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.		
3 4 00 01 02 03 04 05 06		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER.		
3 4 00 01 02 03 04 05 06 07		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION.		
3 4 00 01 02 03 04 05 06 07 08		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH. BALANCED MAGNETIC CONTROL		
3 4 00 5 11 - 2 2 3 3 - 4 - 7 7 - 7 7 - 7 7 - 7 7 - 7 7 - 7 7 - 7 7 - 7 7 - 7 7 - 7 7 - 7 7 - 7 7 - 7 7 - 7	X 75 X 75 ECURITY X ACC X CTR SEC #1 CR KCR Image: Compare to the second se	DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL.		
3 4 10 11 12 13 14 15 16 17 18 19 0 0		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST.		
3 4 10 11 12 13 14 15 16 17 17 18 19 0 1 1		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON.		
3 4 10 11 12 13 14 15 16 17 18 19 10 1 2 2		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL.		
$\overline{3}$ $\overline{4}$ $\overline{100}$ $\overline{11}$ $\overline{12}$ $\overline{13}$ $\overline{14}$ $\overline{15}$ $\overline{16}$ $\overline{17}$ $\overline{18}$ $\overline{19}$ $\overline{10}$ $\overline{11}$ $\overline{12}$ $\overline{12}$ $\overline{11}$ $\overline{12}$ $\overline{11}$ $\overline{12}$		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL. BUZZER.		
3 4 10 11 12 13 14 15 16 17 18 19 10 1 1		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL. BUZZER. BUZZER, COMBINATION BELL.		
$\overline{3}$ $\overline{4}$ $\overline{10}$ $\overline{11}$ $\overline{12}$ $\overline{13}$ $\overline{14}$ $\overline{15}$ $\overline{16}$ $\overline{17}$ $\overline{18}$ $\overline{19}$ $\overline{10}$ $\overline{11}$ $\overline{12}$ $\overline{13}$ $\overline{11}$ $\overline{12}$ $\overline{11}$		DETECTOR, SMOKE/STROBE, RESIDENTIAL. ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING. SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE. ACCESS CONTROL HEADEND EQUIPMENT. SECURITY CONTROL PANEL. INTRUSION DETECTION HEADEND EQUIPMENT. CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE. CARD READER. KEYPAD/CARD READER COMBINATION. DOOR SWITCH, BALANCED MAGNETIC CONTROL. EXIT REQUEST. REMOTE DOOR RELEASE BUTTON. BELL. BUZZER. BUZZER. COMBINATION BELL. PANIC DURESS SWITCH.		

_____4

ABBREVIATIONS

5

	NOTE. ALL ADDREVIAT		NOT BE USED.
1P	SINGLE POLE	kV	
1PH	SINGI F-PHASE	kVA	
1WAY	ONF-WAY	kV/AR	
2/C	TWO-CONDUCTOR	kW	KILOWATT
2/0 2/0/AY	TWO-WAY	kWh	
3/C	THREE-CONDUCTOR	LED	LIGHT FMITTING D
3WAY	THREE-WAY	LFMC	LIQUID TIGHT FLEX
40UT	QUADRUPLE RECEPTACLE		CONDUIT
	OUTLET	LFNC	LIQUID TIGHT FLEX
4PDT	FOUR-POLE DOUBLE THROW		NONMETALLIC CO
4PST	FOUR-POLE SINGLE THROW	LPS	LOW PRESSURE S
4W	FOUR-WIRE	LRA	LOCKED ROTOR A
4WAY	FOUR-WAY		
A	ABOVE COUNTER		
AC		IVIATV	SYSTEM
ADA		мах	MAXIMUM
		MC	METAL CLAD
AFF	ABOVE FINISHED FLOOR	MCA	MINIMUM CIRCUIT
AFG	ABOVE FINISHED GRADE	MCB	MAIN CIRCUIT BRE
AIC	AMPERE INTERRUPTING	MCC	MOTOR CONTROL
	CAPACITY	MCP	MOTOR CIRCUIT P
ALUM	ALUMINUM	MDP	MAIN DISTRIBUTIO
AMP	AMPERE	MG	MOTOR GENERAT
ANN	ANNUNCIATOR	MH	MANHOLE
AP	ACCESS POINT (WIRELESS	MIN	MINIMUM
		MLO	MAIN LUGS ONLY
		MOCP	
AGC		MTS	MANULAL TRANSEE
AIO	SWITCH	NΔ	
AV	AUDIO VISUAL	NC	NORMALLY CLOSE
AWG	AMERICAN WIRE GAGE	NFC	NATIONAL FLECTE
BB	BUCK-BOOST TRANSFORMER	NEMA	NATIONAL ELECTR
XFMR			MANUFACTURERS
С	CEILING MOUNTED		ASSOCIATION
CATV	COMMUNITY ANTENNA	NFC	NATIONAL FIRE CO
CB		NFPA	ASSOCIATION
CCBA	CUSTOM COLOR AS SELECTED	NIC	NOT IN CONTRACT
	BY ARCHITECT	NL	NIGHT LIGHT
CCTV	CLOSED CIRCUIT TELEVISION	NO	NORMALLY OPEN
CF/CI	CONTRACTOR FURNISHED/	NTS	NOT TO SCALE
	CONTRACTOR INSTALLED	OC	ON CENTER
CF/OI	CONTRACTOR FURNISHED/	OCP	OVER CURRENT P
CEBA		OF/CI	OWNER FURNISHE
CFBA	BY ARCHITECT		CONTRACTOR INS
СКТ	CIRCUIT	OF/OI	OWNER FURNISHE
CM	CONSTRUCTION MANAGER	OFP	OBTAIN FROM PLA
CND	CONDUIT	OHDR	OVERHEAD (COILI
CO	CONVENIENCE OUTLET	OL	OVERLOAD
COR	CONTRACTING OFFICER'S	PB	PUSHBUTTON
CP	CONTROL PANEL	PF	POWER FACTOR
СТ	CURRENT TRANSFORMER		PHASE
CTV	CABLE TELEVISION		PANEL DOTENTIAL TRANS
CU	COPPER	PT7	PAN/TILT/ZOOM
dBA			QUANTITY
	UNIT OF SOUND LEVEL	IQIY	
DPDT	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE	R	REMOVE
DPDT	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH	R R RCP	REMOVE REFLECTED CEILI
DPDT DS FA	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH	R R RCP RMC	REMOVE REFLECTED CEILII RIGID METAL CON
DPDT DS EA EM	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY	R RCP RMC RNC	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL
DPDT DS EA EM EMT	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING	RCP RMC RNC RNC RPM	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI
DPDT DS EA EM EMT ENT	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC	RCP RMC RMC RNC RPM RR	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL
DPDT DS EA EM EMT ENT	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING	R RCP RMC RNC RPM RR S/S	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP
DPDT DS EA EM EMT ENT EPO	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF	R RCP RMC RNC RPM RR S/S SCA	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI
DPDT DS EA EM EMT ENT EPO EQUIP	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT	R RCP RMC RNC RPM RR S/S SCA SCBA	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC
DPDT DS EA EM EMT ENT EPO EQUIP EX	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING	R RCP RMC RNC RPM RR S/S SCA SCBA SF	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE
DPDT DS EA EM EMT ENT EPO EQUIP EX F	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED	RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA ECD	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM EIBE ALARM	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP ELA	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL EULL L OAD AMPS	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SFBA	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA EMC	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS ELEXIBLE METAL CONDUIT	R RCP RMC RNC RPM RR S/S SCA SCBA SFBA SFBA SPD SPDT	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC EOB	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT EREIGHT ON BOARD	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SFBA SPD SPDT SPEC	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SFBA SFD SPDT SPEC SPST	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING	R RCP RMC RNC RPM RR S/S SCA SCBA SFBA SFBA SFBA SPD SPDT SPEC SPST ST	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SF SFBA SPDT SPEC SPST ST SWBD SWCP	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SFBA SPD SPDT SPEC SPST ST SWBD SWGR TI	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SUNGLE THROW SWITCHBOARD SWITCHGEAR TWIST LOCK
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN GFCI	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER	R RCP RMC RPM RR S/S SCA SCBA SF SFBA SFBA SPD SPDT SPEC SPST ST SWBD SWGR TL TP	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE POLE
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN GFCI GFP GND	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION	R RCP RMC RPM RR S/S SCA SCBA SF SFBA SF SFBA SPDT SPEC SPST ST SWBD SWGR TL TP TP	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE POLE TWISTED PAIR
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FOB FVNR FVR GEN GFCI GFP GND HD	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SFBA SPD SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TTB	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE POLE TWISTED PAIR TELEPHONE TERM
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN GFCI GFP GND HD HID	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SFBA SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TTB TV	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE POLE TWISTED PAIR TELEPHONE TERM
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN GFCI GFP GND HD HID HID HOA	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SFBA SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TP TP TP TV TVSS	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, DOU SPECIFICATION SINGLE THROW SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FOB FVNR FVR GEN GFCI GFP GND HD HID HOA HP	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SFBA SPD SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TTB TV TVSS	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN GFCI GFP GND HD HID HOA HP HPF	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SFBA SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TP TP TP TP TP TP	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN GFCI GFP GND HD HID HOA HP HPF HPS	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR HIGH PRESSURE SODIUM	RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TP TP TP TP TP TP TV SWGR TL UF	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL UNDERFLOOR
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN GFCI GFP GND HD HID HOA HPF HPS HV	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR HIGH PRESSURE SODIUM HIGH VOLTAGE	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SPDT SPEC SPST ST SWBD SVGR TL TP TP TP TP TTB TV TVSS TYP UF UGND UPS	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL UNDERFLOOR UNDERGROUND
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN GFCI GFP GND HD HID HOA HP HPF HPS HV HZ	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR HIGH PRESSURE SODIUM HIGH VOLTAGE HERTZ	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SFBA SPD SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TP TTB TV TVSS TYP UF UGND UPS	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL O REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL UNDERFLOOR UNDERGROUND UNINTERRUPTIBLE SUPPLY
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN GFCI GFP GND HD HID HOA HP HPF HPS HV HZ I/O	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR HIGH PRESSURE SODIUM HIGH VOLTAGE HERTZ INPUT/ OUTPUT	RCP RMC RNC RNC RPM RR S/S SCA SCBA SF SFBA SFBA SPD SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TP TP TP TP TP TP TV TVSS TYP UF UGND UPS	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, DOU SPECIFICATION SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE POLE TWISTED PAIR TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL UNDERFLOOR UNDERFLOOR UNINTERRUPTIBLE SUPPLY VOLTS
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FMC FOB FVNR FVR GEN GFCI GFP GND HD HD HOA HPF HPS HV HZ I/O IG	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR HIGH PRESSURE SODIUM HIGH VOLTAGE HERTZ INPUT/ OUTPUT ISOLATED GROUND	RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TP TP TP TP TV TVSS TYP UF UGND UPS V V	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, DOU SPECIFICATION SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE POLE TWISTED PAIR TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL UNDERGROUND UNINTERRUPTIBLE SUPPLY VOLTS VOLT AMPERE
DPDT DS EA EM EMT ENT EPO EQUIP EX FA FCP FLA FOB FVNR FVR GEN GFCI GFP GND HD HID HOA HPF HPS HV HZ I/O IG IMC	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR HIGH PRESSURE SODIUM HIGH VOLTAGE HERTZ INPUT/ OUTPUT ISOLATED GROUND INTERMEDIATE METAL CONDUIT	RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SPD SPDT SPEC SPST ST SWBD SVGR TL TP TP TTB TV TVSS TYP UF UGND UPS V VA VFC/VF	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL O REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL UNDERFLOOR UNDERGROUND UNINTERRUPTIBLE SUPPLY VOLTS VOLT AMPERE VARIABLE FREQUE
DPDT DS EA EM EMT ENT EPO EQUIP EX FA FCP FLA FMC FOB FVNR FVR GFD GFP GND HD HD HOA HPF HPS HV HZ I/O IG IMC IN/IS	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR HIGH PRESSURE SODIUM HIGH VOLTAGE HERTZ INPUT/ OUTPUT ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSULATED/ ISOLATED	RCP RMC RNC RNC RPM RR S/S SCA SCBA SF SFBA SPD SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TP TP TP TP TP TP TV V V VA VFC/VF D	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL O REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL UNDERFLOOR UNDERGROUND UNINTERRUPTIBLE SUPPLY VOLTS VOLT AMPERE VARIABLE FREQUE CONTROLLER
DPDT DS EA EM EMT ENT EPO EQUIP EX F FA FCP FLA FOB FVNR FVR GFCI GFP GND HD HD HOA HPF HVS HV IG IMC IN/IS IR	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR HIGH PRESSURE SODIUM HIGH VOLTAGE HERTZ INPUT/ OUTPUT ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSULATED/ ISOLATED INFRARED	RCP RMC RNC RNC RPM RR S/S SCA SCBA SF SFBA SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TP TTB TV TVSS TYP UF UGND UPS V VA VFC/VF D W/	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL O REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, DOU SPECIFICATION SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL UNDERFLOOR UNDERGROUND UNINTERRUPTIBLE SUPPLY VOLTS VOLT AMPERE VARIABLE FREQUE CONTROLLER WITH WITHOU IT
DPDT DS EA EM EMT ENT EPO EQUIP EX FA FCP FLA FOB FVNR FVR GEN GFCI GFP GND HD HID HOA HPF HPS HV HZ I/O IG IMC IN/IS IR J-BOX	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR HIGH PRESSURE SODIUM HIGH VOLTAGE HERTZ INPUT/ OUTPUT ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSULATED/ ISOLATED INFRARED JUNCTION BOX	RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SPD SPDT SPEC SPST ST SWBD SWGR TL TP TP TTB TV TVSS TYP UF UGND UPS V VA VFC/VF D W/ W/O WP	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL O REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL UNDERFLOOR UNDERGROUND UNINTERRUPTIBLE SUPPLY VOLTS VOLT AMPERE VARIABLE FREQUE CONTROLLER WITH WITHOUT
DPDT DS EA EM EMT ENT EPO EQUIP EX FA FCP FLA FMC FOB FVNR FVR GFCI GFP GND HD HDA HPF HPS HV HZ I/O IG IMC IN/IS IR J-BOX	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE THROW DISCONNECT SWITCH EACH EMERGENCY ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC TUBING EMERGENCY POWER OFF EQUIPMENT EXISTING FURNITURE MOUNTED FIRE ALARM FIRE ALARM CONTROL PANEL FULL LOAD AMPS FLEXIBLE METAL CONDUIT FREIGHT ON BOARD FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING GENERATOR GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GROUND HEAVY DUTY HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSE POWER HIGH POWER FACTOR HIGH PRESSURE SODIUM HIGH VOLTAGE HERTZ INPUT/ OUTPUT ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSULATED/ ISOLATED INFRARED JUNCTION BOX	R RCP RMC RNC RPM RR S/S SCA SCBA SF SFBA SPD SPDT SPEC SPST ST SWBD SWGR TL TP TP TP TP TP TP TP TP TP TV V V VA VFC/VF D W/ W/O WP XFMR	REMOVE REFLECTED CEILII RIGID METAL CON RIGID NONMETAL REVOLUTIONS PEI REMOVE AND REL START/STOP SHORT CIRCUIT AI STANDARD COLOF SELECTED BY ARC SQUARE FOOT (FE STANDARD FINISH SELECTED BY ARC SURGE PROTECTI SINGLE POLE, DOU SPECIFICATION SINGLE POLE, SING SINGLE THROW SWITCHBOARD SWITCHBOARD SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEPHONE TERM TELEVISION TRANSIENT VOLTA SUPPRESSER TYPICAL UNDERFLOOR UNDERGROUND UNINTERRUPTIBLE SUPPLY VOLTS VOLT AMPERE VARIABLE FREQUE CONTROLLER WITH WITHOUT WEATHERPROOF TRANSFORMER

KILOVOLT KILOVOLT AMPERE KILOVOLT AMPERE REACTIVE KILOWATT KILOWATT HOUR LIGHT EMITTING DIODE LIQUID TIGHT FLEXIBLE METAL CONDUIT LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT LOW PRESSURE SODIUM LOCKED ROTOR AMPS LIGHTING LOW VOLTAGE MASTER ANTENNA TELEVISION SYSTEM MAXIMUM METAL CLAD MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MOTOR CIRCUIT PROTECTION MAIN DISTRIBUTION PANEL MOTOR GENERATOR MANHOLE MINIMUM MAIN LUGS ONLY MAXIMUM OVERCURRENT PROTECTION MANUAL TRANSFER SWITCH NOT APPLICABLE NORMALLY CLOSED NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NATIONAL FIRE CODE NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN NOT TO SCALE ON CENTER OVER CURRENT PROTECTION OWNER FURNISHED/ CONTRACTOR INSTALLED OWNER FURNISHED/ OWNER INSTALLED OBTAIN FROM PLANS OVERHEAD (COILING) DOOR OVERLOAD PUSHBUTTON POWER FACTOR PHASE PANEL POTENTIAL TRANSFORMER PAN/TILT/ZOOM QUANTITY REMOVE REFLECTED CEILING PLAN RIGID METAL CONDUIT RIGID NONMETAL CONDUIT **REVOLUTIONS PER MINUTE** REMOVE AND RELOCATE START/STOP SHORT CIRCUIT AMPS STANDARD COLOR AS SELECTED BY ARCHITECT SQUARE FOOT (FEET) STANDARD FINISH AS SELECTED BY ARCHITECT SURGE PROTECTIVE DEVICE SINGLE POLE, DOUBLE THROW SPECIFICATION SINGLE POLE, SINGLE THROW SINGLE THROW SWITCHBOARD SWITCHGEAR TWIST LOCK TELEPHONE POLE TWISTED PAIR TELEPHONE TERMINAL BOARD TELEVISION TRANSIENT VOLTAGE SURGE SUPPRESSER TYPICAL UNDERFLOOR UNDERGROUND UNINTERRUPTIBLE POWER SUPPLY VOLTS VOLT AMPERE VARIABLE FREQUENCY MOTOR CONTROLLER WITH WITHOUT

GENERAL ELECTRICAL NOTES

- CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
- OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
- A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
- Β. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
- THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE. INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
- EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
- SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
- REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
- ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

DEFINITIONS NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC ...

ELECTRICAL SHEET INDEX EE001 SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

EE501	TYPICAL MOUNTING HEIGHT DETAILS
E502	ELECTRICAL DETAILS
EE701	GE DRAWINGS
EE702	GE DRAWINGS
EP101	ELECTRICAL PLANS
EP601	ONE-LINE DIAGRAM
EL601	INTERIOR LIGHTING FIXTURE SCHEDULE

POWER	REQUIR	EMENTS
-------	--------	--------

POWER SUPPLY	380/400/415/440/460/480V ±10%, THREE-PHASE + G
FREQUENCIES	50/60Hz ± 3Hz
POWER DEMAND	97kVA
MAXIMUM LINE RESISTANCE PER 2 PHASES (Ohm)	380V : 0.118 / 400V : 0.131 / 415V : 0.138 440V : 0.154 / 480V : 0.185

• Power supply should come into a power distribution box (MDP) containing the protective units and controls. • The section of the supply cable should be calculated in accordance with its length and the maximum permissible voltage drops.

 There must be discrimination between supply cable protective material at the beginning of the installation (main low-voltage transformer side) and the protective devices in the MDP.

SUPPLY CHARACTERISTICS

1

 Power input must be separated from any others which may generate transients (elevators, air conditioning, radiology rooms equipped with high speed film changers...) • All equipment (lighting, power outlets, etc...) installed with GE system components must be powered separately.

GROUND SYSTEM

 Equipotential : the equipotential link will be by means of an equipotential bar. This equipotential bar should be connected to the protective earth conductors in the ducts of the non GE cableways and to additional equipotential connections linking up all the conducting units in the rooms where GE units are located.

CABLES

• Power and cable installation must comply with the distribution diagram below.

 All cables must be isolated and flexible. Cable color codes must comply with standards for electrical installation.

Case PDB furnished by GE : The cables for signals and remote control (DLK1, SEO, XRL1...) will go to MDP with a pigtail length of 1.5m [4.9 ft], and will be connected during installation. Each conductor will be identified and

CABLEWAYS

isolated (screw connector).

The general rules for laying cableways should meet the conditions laid down in current standards and regulations, with regard to:

 Protecting cables against water (cableways should be waterproof) Protecting cables against abnormal temperatures (proximity to heating pipes or ducts)

Protecting cables against temperature shocks

 Replacing cables (cableways should be large enough for cables to be replaced) metal cableways should be grounded.

FEEDER TABLE										
MIN FEEDER WIRE SIZE AWG OR MCM	MINIMUM FEEDER WIRE LENGTH - ft (m)									
(sq. mm)/VAC	50 (15)	100 (30)	150 (46)	200 (61)	250 (76)	300 (91)	350 (107)	400 (122)	450 (137)	
480 VAC	4 (21)	4 (21)	4 (21)	2 (34	1 (45)	1/0 (54)	1/0 (54)	2/0 (68)	3/0 (85)	
GENERAL NOTES										
In all cases qualified personnel must verify that the feeder (at the point of take-off) and the run to the GE system meet all the requirements stated in the PIM										
For a single unit installation, the minimum transformer size is 112.5 kVA, Synthesized power feed is not acceptable										
Grounding conductor will be of the same size as the feeder. This ground will run from the equipment back to the power source/main grounding point and always travel in the same conduit with the feeders										
L										

OPTIMA XR646 HD (G3) Intermountain Medical Center RAD-M210912-FIN-00-A.DWG

3

Rev AlDate 13/May/2020

2

1 phase power

MDP

SKL SEO XRLC XRL1 DLK1

E5 - Power Requirements

| 16/16

4

5

GENERAL SHEET NOTES

- UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.
- SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.
- PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.
- PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.
- REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.
- REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.
- 8 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.
- 9 REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.
- 10 PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.
- 11 PROVIDE NEW TYPED PANEL SCHEDULE FOR ALL PANELS AFFECTED BY PROJECT.

⊖ SHEET KEYNOTES

- CONNECT TO THE EXISTING LIGHTING CIRCUIT THAT PREVIOUSLY FED THE X-RAY IN USE SIGN.
- CONNECT TO THE LIGHTING CIRCUIT THAT PREVIOUSLY FED THIS SPACE.
- PROVIDE A MAG HOLD OPEN FOR THE DOOR, MOUNTED HORIZONTALLY IN THE TOEKICK OF THE CABINETS.

12 REFER TO THE GE X-RAY DRAWINGS FOR ADDITIONAL CONTRACTOR RESPONSIBILITIES.

20370 06/08/2020

3

2

_____4

SHEET KEYNOTES

5

1. GROUNDING CONDUCTOR TO BE THE SAME SIZE AS CURRENT CARRYING CONDUCTORS.

6

	CO					TO: TO:	R
				SC			ノレ
**			<u>-</u> K		(E.G	.) 5	G
	•SU	BSCRIPT (NOTE	5) CONDU	JCTOR(N	IOTE 1)		
SYM	AMP	CONDUIT SIZE	QTY	SIZE	G	IG/HH	SB
	20	.75	2	12	12	12	8
$\frac{2}{3}$	20	.75	3 4	12	12	12	8
4	30	.75	2	10	10	10	8
5	30	.75	3	10	10	10	8
6	30	.75	4	10	10	10	8
7	40	1	2	8	10	8	6
8	40	1	3	8	10	8	6
9	40	1	4	8	10	8	6
10	55 55	1	2	6	10	8	4
12	55	1.25	4	6	10	8	4
(13)	70	1	2	4	8	4	2
14	70	1.25	3	4	8	4	2
15	70	1.25	4	4	8	4	2
(16)	85	1.25	2	3	8	3	2
17	85	1.25	3	3	8	3	2
10	00 95	1.25	4	2	0 8	2	2
20	95	1.50	4	2	8	2	2
21	130	1.50	3	1	6	2	2
22	130	1.50	4	1	6	2	2
23	150	2	3	1/0	6	2	1/0
24)	150	2	4	1/0	6	2	1/0
25	175	2	3	2/0	6	2	2/0
20 27	175 200	2	4 3	2/U 3/0	0 6	2	2/0
<u>-</u> , [28]	200	2.50	4	3/0	6	2	2/0
(29)	230	2.50	3	4/0	4	2	2/0
30	230	2.50	4	4/0	4	2	2/0
31	255	2.50	3	250	4	1	2/0
32	255	2.50	4	250	4	1	2/0
	310	3	3	350	3	1/0	3/0
34	310	3 50	4	350 500	3	1/U 3/0	3/0
36 [36]	380	4	4	500	3	3/0	3/0
37	400	2 EA 2	3	3/0	3	3/0	3/0
38	400	2 EA 2.50	4	3/0	3	3/0	3/0
39	510	2 EA 2.50	3	250	1	4/0	3/0
40	510	2 EA 3	4	250	1	4/0	3/0
41	620	2 EA 3	3	350	1/0	4/0	3/0
42	760	2 EA 3 2 EA 3 50	4	500	1/0	4/0	3/0
44	760	2 EA 4	4	500	1/0	4/0	3/0
45	855	3 EA 3	3	300	2/0	4/0	3/0
46	855	3 EA 3	4	300	2/0	4/0	3/0
47	1000	3 EA 3.50	3	400	2/0	4/0	3/0
(48)	1000	3 EA 3.50	4	400	2/0	4/0	3/0
<u>49</u>	1140	3 EA 4	3	500	3/0	4/0	3/0
51	1240	3 EA 4 4 EA 3	4	350	3/0	4/0	3/0
52	1240	4 EA 3	4	350	3/0	4/0	3/0
53	1675	5 EA 4	4	400	4/0	4/0	4/0
54	2010	6 EA 4	4	400	250	250	250
55)	2660	7 EA 4	4	500	350	350	350
56	3040	8 EA 4	4	500	500	500	500
57 58	4180	5 FA 4	4	ວບບ	ວບບ	000	500
<u>59</u>		5					
60)		10 EA 4					
	СОИП					s	
1.	CONDU MODIFI THWN U	CTORS SHOWN CATIONS AS NO JNLESS OTHER	I ARE SH DTED IN I WISE NO	IOWN FONTE 5.	OR EACH ALL CC	H COND	UIT W ORS \$
2.	PROVIE WHEN (SHOWN	DE EQUIPMENT CIRCUIT BREAK	GROUNI ERS ARI	D CONDU E SIZED	JCTORS GREATE	S PER TA ER THAN	ABLE NAMF
3.	PROVIE COMPU	DE #10 NEUTRAL ITERS.	S FOR N	MULTIWI	RE BRA	NCH CIF	RCUIT
4.	GROUN TRANSI	D CONDUCTOR	SHALL HE FIRS	BE OMIT T OVER(TED BE	TWEEN NT PROT	THE I ECTI
5.	SYMBO "2N":					RS, SIZE	D AS
	FOR "FG" CON	FULL SIZE GRO DUCTOR TO RE	DUND, S	IZE EQU		GROUN	
	"HH" "NOI ACC	: NEUTRAL CUF NLINEAR" LOAD ORDINGLY. PR	RRENTS S. CURF OVIDE T	EXIST D RENT CA HE IG/HI	UE TO I RRYING I SIZE F	HIGH HA G CONDU FOR THE	RMO JCTO EQU
	GRO "IG": SCH CON	INCLUDE IG (IN EDULED ALONG DUCTOR	ISULATE	ED/ISOLA GROUND	TED GF OF EQU	ROUND (JIPMENT	COND F GRC
	"SBJ ലേറ	": SUBSTITUTE	"SBJ" C	ONDUCT			NDU(

THE SEPARATELY DERIVED SYSTEM. 6. RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.

4

IGHTING FIXTURE SCHEDULE														
									GENERAL NOTES					
TE LUMINUM STEEL CHITECT DLOR BY OR BY RAL 19D	DIFFUSER/LENS REFLECTOR #A - ACRYLIC #THICK OP - NONE/OPEN #CA - ACRYLIC #THICK (OPAL) SP - SPECULAR GC - GLASS (CLEAR) SS - SEMI-SPECULAR GO - GLASS (POAL) D - DIFFUSE (WHITE ENAMEL) GF - GLASS (FROSTED) SC - SPECULAR (COLORED) SGL - SOFT GLOW LENS PR - PRISMATIC HPL - HIGH PERFORMANCE LENS PDR - FULL DEPTH REFLECTOR DO - DROP OPAL DS - DIFFUSE (SEMI SPECULAR) SILVER CGL - CONVEX GLASS LENS LI - LOW IRIDESCENT S - SATIN LENS IR - IRIDESCENT SL - SILVER GL - GOLD CA - CLEAR ALZAK - CLEAR ALZAK						.) R) SILVER	1. P F F A IN IN 2. C S A A A 3. S B P 4. S P 5. A L 6. V IN 7. C 8. R L 9. A	 PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, DRIVERS, AND LAMPS. 					
	ATION										MANU	IFACTURER (CATALOG SE	RIES)	
CRI	DRIVER CONFIGUR	VOLTAGE	WATTS	FINISH		DIFFUSER/LENS	REFLECTOR	OPTIONS		NOTES	OPTION 1	OPTION 2	OPTION 3	
	0-10V DIMMING (10%)	120/277	23	-	2000			-			(EVO-35/20-6AR-WD-LSS- MVOLT-EZ10-TWR)	LITON (LHALD625CO71-D10/ LRALD6SWF151-B60-T35)	(LD6B20D010/EU6B10208 035/6LBW2H HB26)	
	ELV DIMMING	120/277	8		600						DAY-BRITE (LINCS100E-L28-935-UNV- WHG-DIM)	KENALL (AUCLED-1-MW-11L35K-2 4-277)	AIREY-THOMPSON (13HC-N-35K-24-2-3-D11)	

