

GENERAL

REV. DATE SHEET TITLE 5/1/18 G-000 COVER 5/1/18 G-002 GENERAL NOTES

STRUCTURAL				PLUMBING				
EV. DATE 5/1/18 5/1/18 5/1/18 5/1/18 5/1/18 5/1/18	SHEET S-001 S-011 S-100 S-101 S-301 S-601	TITLE GENERAL NOTES & ABBREVIATIONS STATEMENT OF SPECIAL INSPECTIONS DEMOLITION PLANS FOUNDATION & ROOF FRAMING PLANS DETAILS & SECTIONS TYPICAL WOOD DETAILS & SCHEDULES	REV.	DATE 5/1/18 5/1/18	SHEET P1 P2	TITLE PLUMBING INFORMATION PLUMBING PLANS AND RISERS		
5/1/18 5/1/18	S-602 S-621	DETAILS & SCHEDULES DETAILS & SECTIONS	ME					
ARCHIT	ECTL	JRAL	REV.	DATE 5/1/18 5/1/18	SHEET M1 M2	TITLE MECHANICAL LEGEND, NOTES AND SCHEDULES MECHANICAL PLAN		
EV. DATE 5/1/18 5/1/18 5/1/18 5/1/18 5/1/18	SHEET A-001 A-101 A-201 A-401	TITLE ARCHITECTURAL SITE PLAN DEMOLITION & ARCHITECTURAL FLOOR PLAN ARCHITECTURAL ROOF PLAN & REFLECTED CEILING PLAN ARCHITECTURAL BUILDING ELEVATIONS	EL	ECTR		MECHANICAL COMCHECK		
5/1/18 5/1/18 5/1/18 5/1/18 5/1/18 5/1/18 5/1/18 5/1/18	A-451 A-452 A-461 A-551 A-551 A-601 A-602 A-801 A-901	ARCHITECTURAL ENLARGED INTERIOR ELEVATIONS ARCHITECTURAL ENLARGED INTERIOR ELEVATIONS CASEWORK SECTIONS ARCHITECTURAL BUILDING SECTIONS ARCHITECTURAL WALL SECTIONS ARCHITECTURAL DETAILS ARCHITECTURAL DETAILS ARCHITECTURAL DOOR AND WINDOW SCHEDULES ARCHITECTURAL FINISH FLOOR PLAN AND FINISH SCHEDULES	REV.	DATE 5/1/18 5/1/18 5/1/18	SHEET E1 E3	TITLE ELECTRICAL NOTES, LEGEND, AND SCHEDULES ELECTRICAL FLOOR PLANS ELECTRICAL COMCHECK		

LIFE SAFETY

REV. DATE SHEET TITLE 5/1/18 LS-101 LIFE SAFETY PLAN AND PARTITION TYPES

CIVIL

REV.	DATE	SHEET	TITLE
	5/1/18	C-01	EXISTING CONDITIONS-DEMOLITION PLAN
	5/1/18	C-02	CONSTRUCTION SAFETY & PHASING PLAN
	5/1/18	C-03	SITE LAYOUT PLAN
	5/1/18	C-04	GRADING & DRAINAGE PLAN
	5/1/18	C-05	SEDIMENT & EROSION CONTROL PLAN
	5/1/18	C-06	EROSION CONTROL DETAILS
	5/1/18	C-07	MISCELLANEOUS DETAILS

TRUCTURAL				PL	PLUMBING				
/. D. 5. 5. 5. 5. 5. 5.	ATE /1/18 /1/18 /1/18 /1/18 /1/18 /1/18 /1/18	SHEET S-001 S-011 S-100 S-101 S-301 S-601 S-602	TITLE GENERAL NOTES & ABBREVIATIONS STATEMENT OF SPECIAL INSPECTIONS DEMOLITION PLANS FOUNDATION & ROOF FRAMING PLANS DETAILS & SECTIONS TYPICAL WOOD DETAILS & SCHEDULES	REV.	DATE 5/1/18 5/1/18	SHEET P1 P2	TITLE PLUMBING INFORMATION PLUMBING PLANS AND RISERS		
5.	/1/18	S-621	DETAILS & SECTIONS	ME	ECHAN				
RC	HITE	CTU	IRAL	REV.	DATE 5/1/18 5/1/18 5/1/18	SHEET M1 M2 M3	TITLE MECHANICAL LEGEND, NOTES AND SCHEDULES MECHANICAL PLAN MECHANICAL COMCHECK		
/. D. 5. 5. 5. 5. 5.	ATE /1/18 /1/18 /1/18 /1/18 /1/18	SHEET A-001 A-101 A-201 A-401 A-451	TITLE ARCHITECTURAL SITE PLAN DEMOLITION & ARCHITECTURAL FLOOR PLAN ARCHITECTURAL ROOF PLAN & REFLECTED CEILING PLAN ARCHITECTURAL BUILDING ELEVATIONS ARCHITECTURAL ENLARGED INTERIOR FLEVATIONS	EL	ECTRI	CAL			
5/1/18 A 5/1/18 A	A-452 A-461 A-501 A-551 A-601 A-602 A-801 A-901	A-451 ARCHITECTURAL ENLARGED INTERIOR ELEVATIONS A-452 ARCHITECTURAL ENLARGED INTERIOR ELEVATIONS A-461 CASEWORK SECTIONS A-501 ARCHITECTURAL BUILDING SECTIONS A-551 ARCHITECTURAL BUILDING SECTIONS A-601 ARCHITECTURAL DETAILS A-602 ARCHITECTURAL DETAILS A-602 ARCHITECTURAL DETAILS A-801 ARCHITECTURAL DOOR AND WINDOW SCHEDULES A-901 ARCHITECTURAL FINISH FLOOR PLAN AND FINISH SCHEDULES	REV.	DATE 5/1/18 5/1/18 5/1/18	SHEET E1 E2 E3	TITLE ELECTRICAL NOTES, LEGEND, AND SCHEDULES ELECTRICAL FLOOR PLANS ELECTRICAL COMCHECK			

NEWBERRY COUNTY AIRPORT

TERMINAL RENOVATION & EXPANSION

1139 AIRPORT ROAD NEWBERRY, SC 29108



THE WILSON GROUP ARCHITECT PO BOX 5510 • CHARLOTTE, NC 28299 (704) 331-9747 • M TWGARCHITEC

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SABER ENGINEERING CONSULTING M E P ENGINEERS 2923 S. TRYON ST., SUITE 280 CHARLOTTE, NC 28203 (704) 373-0068

MAY 1, 2018



REVISIONS

NOTE GC TO COORDINATE DOOR LOCATION W/ JANE DETAL TYP. RULE FOR DOOR GC TO COORDINATE JAM DEPTH WITH WITH OF TRIM ELEVATIONS ELEVA	2X WD STUDS SEE PARTITION TYPE PARTITION AS SCHEDULED DOOR SYMBOL DOOR SYMBOL WINDOW S	KEY PLAN	SYMBOLS Subreviat Z CH o d po d po	used as ions: ngle enterline hennel umber therwise enny erpendicular bunds ate bund (diometer) ith IIONS: above finished floor acoustical insulation acoustical ceiling boord acoustical tile acoustical treatment wall panel addendum adjacent adjustable (ment) aggregate air conditioning alternate aluminum anchor, anchor age anchor bolt anodized approximate (ly) architect (ural) area drain area inlet asbestos asphalt automatic basement beering plate bench mark below betwen beveled bituminous block b
THE ZONE IN WHICH THE LOWER LEFT HAND CORNER OF LOCATED DETERMINES THE NUMBER OF THE DETAIL.	A DETAIL IS		F.O.F. F.O.M. F.O.S. F.F. FAS. FN. FBD. FGL FIN.	face of finish face of masonry face of studs factory finish fasten (er) fence fiberboard fiberglass finish (ed)
16 17 18 16 17 18	19	20	F.F.E. F.F.L. F.A. F.E. F.E.C.	tinished floor elevation finished floor line fire alarm fire extinguisher fire cabinet fire base
11 12 13	14	15	F.H.C. FPL. FRT. FLG. F.H.M.S. F.H.W.S	fire nose cabinet fireplace fireproof fire-retardant flashing flathead machine screw flathead wood
6 7 8	9	10	FLX. FL. F.D. F.PL. FLUOR. F.JT. FT. FTG. FND. FR.	screw flexible floor (ing) floor drain floor plate fluorescent flush joint foot (feet) footing foundation frame (d), (ing)
1 NUMBERING	4 SYSTEM	5	н.S. FUR. FUT.	tull size furred (ing) future

GA. GALV	gage, gauge advanized	REQD. RES	required resilient	
G.I. G.P.	galvanized iron galvanized pipe	RES.B. RES.FL.	resilient base resilient floor	
G.C. GL.	general contract (or) glass, glazing	RES.T. R.A.	resilient tile return air	
GL.B. G.M.U. G.S.U.	glass block glazed masonry units alazed structural	R.H.	(ed) right hand	the start
G.B.	unit grab bar	R.H.R.	right hand reverse	Contraction in the second second
GR. GYP. D.W GYP PI	grade . gypsum dry wall gypsum plaster	R.O.W. R. RD	right of way riser roof drain	Caller Martine -
GYP. SHI GYP. T.	Hgypsum sheathing qypsum tile	RFG. RM.	roofing room	And the second s
G.W.B.	gypsum wallboard	R.O. RUB.	rough opening rubber	
HH. H.BD.	handhole hardboard	R.B. R.T.	rubber base rubber tile	
HDW. HWD. HJT	hardware hardwood head joint			A STATE AND A PARTY AND A STATE
HDR. HTG.	header heating	S.N.D.	sanitary napkin dispenser	
HVAC.	heating/ventilating/ air conditioning	SECT. S.SK.	section service sink	
HT. HEX.	height hexagonal	SHTH. SHT.	sheathing sheet	
Н.С. Н.М.	hollow core hollow metal	SH. SIM. S.C	shelf, shelving similar solid core	
HK. HOR. H B	hook (s) horizontal hose bibb	S SPK.	south speaker	
H.W.H.	hot water heater	SPEC. SQ.	specification (s) square	
IN.	inch	S.S. STD. STA	stainless stel standard station	
INCL.	(ing) inside diameter	STL. STOR.	steel storage	
INS.	insulate (d), (ion)	S.D. STRUCT.	storm drain structural	
INT. INTM.	interior intermediate	S.G.T.	clay tile structural	
I.P.S.	iron pipe size	SURF.	glazed tile surface	
J.C.	janitor's closet	SUSP. SYM.	suspended symmetry (or symbol)	
JST.	joint joist	SYN. SYS.	synthetic system	
KPL.	kickplate	TKBD.	tackboard telephone	
KDN. K O	kitchen knockdown knockout	TV. T.C.	television terra cotta	
		TER. THK.	terrazzo thick (ness)	233/4/19/19/19/19/19/19/19
LBL. LAB.	label laboratory	T.PTN.	toilet partition	
LAD. L.B.	ladder lag bolt laminete (r)	T.P.D.	toilet paper dispenser	
∟AM. LAV. L.H	lavatory left hand	T&G	tongue and groove	
L. LT.	length (long) light	T.O.C. T.O.SL.	top of curb top of slab	
LT.WT. L.W.C.	lightweight lightweight	1.0.S. T.O.S-F. T.O.W	top of steel top of sub-floor top of wall	H MI I Start - Land
LMS. L.O.C.	limestone limits of	т.В. Т.В. Т.D.	towel bar towel dispenser	and the second and the
L.F.	construction linear foot lintal	T. TYP.	tread typical	
LIL. LL, I VR	lintel live load louver	UC.	undercut	1/1/2 A A A A A A A A A A A A A A A A A A A
L.PT. LUM.	low point luminous	U.L.	Underwriter's Lab. Inc.	
		U.N.O. LINF	unless noted otherwise unfinished	Less Bill Real Strange
MH. MFR.	manhole manufacture (er)	UR.	urinal	
MAR. MAS.	marble masonry	V.JT.	v-joint (ed)	
M.O. MATL. MAX	masonry opening material (s) maximum	V.B. VAR. V	vapor barrier varies vent	
MECH. M.C.	mechanic (al) medicine cabinet	VNR. VRM.	veneer vermiculite	
MED. MBR.	medium member membrana	VERT. VEST.	vertical vestibule vitrified	
M.B.	waterproofing menu-board	VIN.	clay pipe vinyl	
MET. M.F.D.	metal metal floor decking	V.B. V.C.T.	vinýl base vinýl	
M. I.	metal threshold meter (s)	V.F.	composition tile vinyl fabric	
N/IN/I	millimeter (s)	VI	vinyl tile	
MWK. MWK. MIN.	millimeter (s) millwork minimum	V.I. WSCT.	vinyl tile wainscot	
MM. MWK. MIN. MIR. MISC.	millimeter (s) millwork minimum mirror miscellaneous	V.T. WSCT. W.T.W. W.H.	vinyl tile wainscot wall to wall wall hung	11 VICINITY MAP
MM. MWK. MIN. MISC. MOD. MLD. M.H.	millimeter (s) millwork minimum mirror miscellaneous modular moulding mop holder	V.I. WSCT. W.T.W. W.H. W.C. WP.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing)	11 VICINITY MAP
MM. MWK. MIR. MISC. MOD. MLD. M.H. M.R. MT.	millimeter (s) millwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing)	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant)	11 VICINITY MAP
MM. MWK. MIR. MISC. MOD. MLD. M.H. M.R. MT. MOV. MULL.	millimeter (s) millwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R. WS. WT.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight	11 VICINITY MAP
MM. MWK. MIN. MISC. MOD. MLD. M.H. M.R. MT. MOV. MULL. NAT. NI.	millimeter (s) millwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R. WS. WT. W.W.F. W	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west	11 VICINITY MAP
MM. MWK. MIN. MIR. MISC. MOD. MLD. M.H. M.R. MT. MOV. MULL. NAT. NI. N.R.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction noise	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R. WS. WT. W.W.F. W WH.B. W.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide	11 VICINITY MAP
MM. MWK. MIN. MIR. MISC. MOD. MLD. M.H. M.R. MT. MOV. MULL. NAT. NI. N.R. N.R.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction noise reduction coefficient	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R. WS. WT. W.W.F. W.W.F. W.H.B. W. W.F. WIN. W.G.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide window wire closes	11 VICINITY MAP
MM. MWK. MIN. MIR. MISC. MOD. MLD. M.H. M.R. MOV. MULL. NAT. NI. N.R. N.R. N.R.C.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction coefficient nominal north	V.I. WSCT. W.T.W. W.H. WP. WP. W.R. WS. WT. WS. WT. W.W.F. W.H.B. W. W.H.B. W. W.F. WIN. W.G. WD. WD.B.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide wide flange window wire glass wood wood base	11 VICINITY MAP
MM. MWK. MIR. MISC. MOD. MLD. M.H. M.R. MT. MOV. MULL. NAT. N.R. N.R. N.R.C. NOM. N.I.C. N.T.S.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction noise reduction noise reduction north not in contract not to scale	V.I. WSCT. W.H. W.C. WP. W.R. WS. WT. W.W.F. W.H.B. W. W.F. WIN. W.G. WD. WD.B. W.PT. W.I.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide window wire glass wood wood base working point wrought iron	11 VICINITY MAP
MM. MWK. MIN. MIR. MISC. MOD. MLD. M.H. M.R. MOV. MULL. NAT. N.R. N.R. N.R.C. NOM. N.I.C. N.T.S. OBS. OC.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction noise reduction noise reduction north north not in contract not to scale	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R. WS. WT. W.W.F. W.H.B. W. W.F. WIN. W.F. WIN. W.G. WD.B. W.PT. W.I. YD.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide window wire glass wood wood base working point wrought iron	11 VICINITY MAP
MM. MWK. MIN. MIR. MISC. MOD. MLD. M.H. M.R. MOV. MULL. NAT. N.R. N.R. N.R. N.R.C. NOM. N.I.C. N.T.S. OBS. O.C. OFC. OP.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction noise reduction noise reduction north not in contract not to scale obscure on center (s) office opague	V.I. WSCT. W.T.W. W.H. W.C. WP. WS. WS. WT. W.W.F. W.M.F. W.H.B. W. W.F. WIN. W.G. WD.B. W.PT. W.I. YD.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide wide flange window wire glass wood wood base working point wrought iron	11 VICINITY MAP
MM. MWK. MIN. MIR. MISC. MOD. MLD. M.H. M.R. MOV. MULL. NAT. N.R. N.R. N.R. N.R.C. NOM. N.I.C. N.T.S. OBS. O.C. OPNG. OPNG. OPNG. OPN. OPN.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction coefficient nominal north not in contract not to scale obscure on center (s) office opaque opening opposite	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R. WS. WT. W.S. WT. W.W.F. WIN. W.F. WIN. W.G. WD. WD.B. W.PT. W.I. YD.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide wide flange window wire glass wood wood base working point wrought iron yard	11 VICINITY MAP
MM. MWK. MIN. MIR. MISC. MOD. MLD. M.H. M.R. MOV. MULL. NAT. N.R. N.R. N.R.C. NOM. N.I.C. N.T.S. OBS. O.C. OPNG. OPNG. OPH. O.D.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction noise reduction noise reduction not in coefficient nominal north not in contract not to scale obscure on center (s) office opaque opening opposite hand outisde diameter	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R. WS. WT. W.W.F. W.W.F. WIN. W.G. WD. WD. WD. WD. WD. WD. WD. WD. WD. WD	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide wide flange window wire glass wood wood base working point wrought iron yard	11 VICINITY MAP VICINITY MAP COMcheck Software Versi Envelope Compl Section 1: Project Information Energy Code: 2009 IECC
MM. MWK. MIN. MIR. MISC. MOD. MLD. M.H. M.R. MOV. MULL. NAT. N.R. N.R. N.R.C. NOM. N.I.C. N.T.S. OBS. O.C. OPNG. OPP. OPH. O.D. O.H.M.S.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction noise reduction coefficient nominal north not in contract not to scale obscure on center (s) office opaque opening opposite oposite hand outisde diameter ovalhead machine screw	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R. WS. WT. W.W.F. W.W.F. WIN. W.G. WD. WD.B. W.PT. W.I. YD.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide wide flange window wire glass wood wood base working point wrought iron	11 VICINITY MAP Image: Complete the system of th
MM. MWK. MIN. MIR. MISC. MOD. MLD. M.H. M.R. MOV. MULL. NAT. N.R. N.R. N.R.C. NOM. N.I.C. N.T.S. OBS. O.C. OPNG. OPP. OPNG. OPP. OPH. O.D. O.H.M.S. O.H.W.S.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction noise reduction notse reduction not in contract not to scale obscure on center (s) office opaque opening opposite diameter ovalhead machine screw	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R. WS. WT. W.W.F. W.W.F. WIN. W.F. WIN. W.G. WD. WD.B. W.PT. W.I. YD.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper windh, wide wide flange window wire glass wood wood base working point wrought iron yard	11 VICINITY MAP Image: Complex state of the state of th
MM. MWK. MIR. MISC. MOD. MLD. M.H. M.R. MOV. MULL. NAT. N.R. N.R. N.R.C. NOM. N.I.C. N.T.S. OBS. O.C. OPNG. OPP. OPH. O.D. O.H.M.S. O.H.W.S. PNT. PN.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction noise reduction coefficient nominal north not in contract not to scale obscure on center (s) office opaque opening opposite diameter ovalhead machine screw ovalhead wood screw	V.I. WSCT. W.T.W. W.H. W.C. WP. W.R. WS. WT. W.W.F. W.W.F. WIN. W.F. WIN. W.G. WD. WD.B. W.PT. W.I. YD.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide wide flange window wire glass wood wood base working point wrought iron yard	11 VICINITY MAP VICINITY MAP VICINITY MAP
MM. MWK. MIR. MISC. MOD. MLD. M.H. M.R. MOV. MULL. NAT. N.R. N.R. N.R.C. NOM. N.I.C. N.T.S. OBS. O.C. OPNG. OPNG. OPH. O.D. O.H.M.S. O.H.W.S. PNT. PR. PNL. P.B. P.T.D.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction noise reduction coefficient nominal north not in contract not to scale obscure on center (s) office opaque opening opposite opposite hand outisde diameter ovalhead machine screw ovalhead screw panit (ed) pair panel panic bar paper towel	V.I. WSCT. W.T.W. W.C. WP. W.R. WS. WT. W.W.F. W.W.F. WI.B. W.F. WI.N. W.G. WD. WD.B. W.D. WD.B. W.PT. W.I. YD.	vinyl tile wainscot wall to wall wall hung water closet waterproofing (weatherproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper width, wide wide flange window wire glass wood wood base working point wrought iron yard	11 VICINITY MAP Combed States Combed States Project Tritle: Newberry County Airport Terminal Renovation & Expan Project Type: Addition Construction Site: Newberry County Airport 1139 Airport Rd Newberry, SC 29108 Building Location (for weather data):
MM. MWK. MIN. MIR. MISC. MOD. MLD. M.H. M.R. MT. MOV. MULL. NAT. N.R. N.R. N.R.C. NOM. N.I.C. N.T.S. OBS. O.C. OFC. OP. OPH. O.D. O.H.M.S. O.H.W.S. PNT. PR. PNL. P.T.D. P.T.R.	millimeter (s) milliwork minimum mirror miscellaneous modular moulding mop holder mop receptor mount (ed), (ing) movable mullion natural nickel noise reduction coefficient nominal north not in contract not to scale obscure on center (s) office opaque opening opposite hand outisde diameter ovalhead machine screw ovalhead wood screw paint (ed) pair panel panic bar paper towel creator	V.I. WSCT. W.H. W.C. WP. W.R. WS. WT. W.W.F. W.M.F. WIN. W.G. WD. WD. WD. B. W.PT. W.I. YD.	vinyl tile wainscot wall to wall wall hung water closet waterproofing) water repellent (water resistant) waterstop weight welded wire fabric west wheel bumper window wire glass wood wood base working point wrought iron yard	11 VICINITY MAP VICINITY MAP VICINITY MAP VICINITY MAP Vicinity Complete Complete Complete Complete Complete Complete Construction Site: Newberry County Airport Newberry Solution Site: Newberry Solution Studing Location (for weather data): Climate Zone: Vertical Glazing / Wall Area Pct:
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NOT TO SCALE







CODE SUMMARY SCOPE OF WORK: EXISTING RENOVATION AND NEW EXPANSION OCCUPANCY: BUSINESS (B) CONSTRUCTION TYPE: V-B FIRE PROTECTION SYSTEM: N/A BUILDING AREA: 1,007 SF TOTAL (<9,000 SF MAX.FOR TYPE V-B BUSINESS NON-SPRINKLERED) BUILDING HEIGHT: 20'-0" A.F.F. (<40' MAX. FOR TYPE V-B BUSINESS NON-SPRINKLERED) SEPARATION DISTANCE: > 30' NUMBER OF STORIES: 1 RATED ASSEMBLIES: N/A OCCUPANT LOAD: 30 (SEE SUMMARY ON 1/LS-101)

WALL LEG	END
NEW CONSTRUCTION	
1 HR RATED WALL	

FIRE EXTINGUISHEF	R LEGEND
AREA SERVED BY FEC	1,007 SF
HAZARD LEVEL:	LOW HAZARD
MIN SF / A	1,500 SF
EXTINGUISHER TYPE	2-A
SF / EXTINGUISHER	3,000 SF
NUMBER OF EXTINGUISHERS	(1) 2-A
SF OF AREA SERVED	3,000 SF
MAX. TRAVEL DISTANCE	75 FT

LIFE SAFETY PLAN LEGEND

NUMBER OF OCCUPANTS (F)			$\langle \chi \rangle$	
EXIT WIDTH	ACTUAL ACTUA	CLEAR (IN) L (OCC)(F)	$\left< \begin{array}{c} X' \\ XXX XXX \end{array} \right>$	MAX (OCC) (G)
MAXIMUM AREA DIAGONAL			χ'	
DISTANCE BETWEEN EXITS *	÷	REQUIRED	∑X' X' <	ACTUAL
EXIT ACCESS TRAVEL DISTA	NCE	ACTUAL	(X' X')	ALLOWABLE
PANIC HARDWARE	P	DELAYED E	GRESS LO	CK D
ELECT. EGRESS LOCK	E	HOLD OPEN	N DEVICES	H
EXIT ARROW				

* PER 1BC 2015 1006.3.2, SINGLE EXIT IS PERMITTED

00	OCCUPANCY CALCULATIONS										
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(L)	(К)	(L)
					D/E	L/J		F*H		F*J	
ROOM			AREA	AREA /	ACTUAL	MAX	STAIR	STAIR	OTHER	OTHER	ACTUAL
NO.	KOOMINAME	OCCOPANCE TEPE	(SF)	OCC	occ	OCC	IN/OCC	IN REQ	IN/OCC	IN REQ.	CLEAR
101	LOBBY	BUSINESS AREAS	157	100	2	400			0.2	0.4	80
102	LOUNGE	ASSEMBLY UNCON (TABLES & CHAIRS)	287	15	20	745			0.2	4	149
103	PLANNING	BUSINESS AREAS	98	100	1	170			0.2	0.2	34
104	QUIET ROOM	BUSINESS AREAS	94	300	1	170			0.2	0.2	34
105	KITCHEN	BUSINESS AREAS	113	100	2	200			0.2	0.4	40
106	BATH	BUSINESS AREAS	104	100	2	170			0.2	0.4	34
107	JANITOR	STORAGE	80	300	1	170			0.2	0.2	34
108	UTILITY	MECHANICAL EQUIPMENT	74	100	1	170			0.2	0.2	34
TOTAL			1,007		30		REQ.	0	REQ.	6	
							PROV.	N/A	PROV.	439	







CONSTRUCTION PHASING						
PHASE	DURATION	DESCRIPTION OF WORK				
1	120	- WORK FOR THIS PROJECT WILL BE TWO PHASES THAT RUN CONCURRENT (ONLY 120 DAYS TOTAL).				
		 WORK INCLUDES ALL ASPECTS OF THE PROJECT INCLUDING BUILDING CONSTRUCTION - AND SITE CONSTRUCTION. DEMOLITION, GRADING, EROSION AND SEDIMENT CONTROL, INSTALL OF UTILITIES, PAVING, FENCE, AND MARKING. 				
2	5	WORK INSIDE THE TAXIWAY SAFETY AREA (TSA) WILL REQUIRE CLOSURE OF TAXILANE AND A NOTAM. THE CLOSURE SHALL LAST NO MORE THAN 5 DAYS.				



				/	
					EXISTING ELECTRO GATE TO REMAIN CONTRACTOR SHA FR
		Existing T-Hangars			SAW CU FORM
GENERAL F COMPROMISED COMPROMISED REFERENCE IS AND VEHICLES FLAGS (DAY COMPROMISED REFERENCE IS AND VEHICLES FLAGS (DAY CONTRAC (I.E., AIRPOR PERSONNEL. AGENCIES FO LOCATIONS O WAY ONLY AN REPRESENTAT ALL EXISTING RESPONSIBLE UNDERGROUN SHOWN. THE EXISTING DAM OR FACILITIES EQUIPMENT S EXPENSE. HI ANTICIPATED. CONTRAC ETC. REQUIRE CONTRAC THE CONTRAC CONDUCTED WILL BE REQU AND CALCIUM RIGHT TO HA ACTIONS APE	PROJECT NOTES: CTOR SHALL MARK THE TA AND SPECIFICATIONS. AIRC D AND PROPER SEPARATION S DIRECTED TO "SAFE" SEC S SHALL BE MARKED WITH ONLY) OR YELLOW FLASHIN CTOR SHALL LOCATE AND F T LIGHTING, NAVAIDS, ETC.) THE CONTRACTOR SHALL R FIELD MARKING PRIOR TO F EXISTING UNDERGROUND ND HAVE NOT BEEN INDEPE TIVE. THE CONTRACTOR SHALL AND HAVE NOT BEEN INDEPE TIVE. THE CONTRACTOR SHALL FOR ANY AND ALL DAMAG D UTILITIES BEFORE COMMEN FOR ANY AND ALL DAMAG ID UTILITIES. ALL UTILITIES E CONTRACTOR SHALL ADVI MAGED UTILITIES PRIOR TO S DAMAGED DURING THE PRI SHALL BE PROMPTLY REPAIL AND DIGGING TO PROTECT CTOR SHALL BE RESPONSIB ED BY LOCAL, STATE AND CTOR SHALL BE RESPONSIB ED BY LOCAL, STATE AND CTOR SHALL NEVER ENTER T. FOR WORK INSIDE A TAX THASING PLAN. CTOR IS ADVISED THAT AIR ADJACENT TO THE PROJECT UIRED DURING THE COURSE M CHLORIDE SHALL BE ANT LT WORK OR HAULING IN M	XIWAY SAFETY AREA IN A RAFT AND PUBLIC SAFET N SHALL BE MAINTAINED CTION OF THE SPECIFICAT 3' X 3' ORANGE AND W IG DOME TYPE LIGHT (DA PROTECT EXISTING UTILITY OF FROM DAMAGE BY EQUI CONTACT ALL UTILITY AND DEGINNING CONSTRUCT UTILITIES ARE SHOWN IN ENDENTLY VERIFIED BY T HALL DETERMINE THE EXA ICING WORK, AND AGREE DES WHICH MIGHT BE OCH AND FACILITIES ARE NO SE THE ENGINEER, IN WE BEGINNING CONSTRUCTIO ROJECT BY THE CONTRAC RED OR REPLACED AT TH UTILITIES FROM DAMAGE BEGINNING CONSTRUCTIO ROJECT BY THE CONTRAC RED OR REPLACED AT TH UTILITIES FROM DAMAGE BEGINNING CONSTRUCTIO ROJECT BY THE CONTRAC RED OR REPLACED AT TH UTILITIES FROM DAMAGE BEGINNING CONSTRUCTIO ROJECT BY THE CONTRAC RED OR REPLACED AT TH UTILITIES FROM DAMAGE CRAFT MAINTENANCE OP T. SPECIAL ATTENTION OF THE PROJECT. THE CIPATED. THE ENGINEER ION—CONFORMING AREAS	ACCORDANCE WITH TY SHALL NOT BE AT ALL TIMES. TIONS. EQUIPMENT /HITE CHECKER AY OR NIGHT). TIES AND FACILITIES IPMENT OR ND FACILITY TON. THE AN APPROXIMATE THE OWNER OR ITS ACT LOCATION OF TO BE FULLY CASIONED BY THE DT NECESSARILY RITING, OF ANY N. ANY UTILITIES CTOR'S MEN OR HE CONTRACTOR'S SHOULD BE PERMITS, LICENSES FETY AREA DURING CONSTRUCTION, PERATIONS ARE TO DUST CONTROL E USE OF WATER R RESERVES THE S, IF CORRECTIVE CONTROL DUST		N: 90 E: 180 EI SEE CSPP FOR S MATERIAL STOR
 ACTIONS ARE AN ELECTRON AID IN THE P AWARDED. ALL DEMOLISH AT HIS/HER REMOVED MA ANY DISCREP BROUGHT TO WORK PERFOR THE CONTRAC AND HAVING SUBMITTING H UNLESS DIREC USE ANY OF STOCKPILE/S¹ THE CONTRAC SECURITY FEN PERIMETER FE INSTALLED PF AREAS OUTSI CONTRACTOR² ANY TIME, UN MANAGEMENT ALL WORK WIT 	NOT PROMPTLY TAKEN BY NIC FILE OF THE PLANS MAPROJECT LAYOUT AND GRAD PROJECT LAYOUT AND GRAD HED MATERIAL IS TO BE DI EXPENSE, UNLESS OWNER TERIAL. PANCIES IN THE SITE CONTR THE ATTENTION OF THE EI RMED. CTOR SHALL BE HELD RESP FAMILIARIZED HIMSELF WITH HIS BID. CTED OTHERWISE BY OWNED THE EXISTING TAXIWAYS O TORAGE AREA. CTOR SHALL COORDINATE V NCE INSTALLATION AND REI ENCING AT ALL TIMES. NEW RIOR TO EXISTING FENCE R IDE THE PROJECT LIMITS AF 'S FORCES ARE PROHIBITED NLESS SPECIFICALLY AUTHO	THE CONFORMING AREAS THE CONTRACTOR TO (AY BE OBTAINED BY THE DING ONCE THE PROJECT SPOSED OF OFFSITE BY SPECIFICALLY REQUESTS ROL INFORMATION SHALL NGINEER FOR RESOLUTION PONSIBLE FOR HAVING VI H EXISTING CONDITIONS F R, CONTRACTOR WILL NO R APRON AS PART OF T WITH AIRPORT MANAGEME MOVAL. CONTRACTOR SHA / OR TEMPORARY FENCE EMOVAL TO MAINTAIN SE RE DESIGNATED AS REST O FROM ENTERING RESTRIO PROT ROAD SHALL FOLLOW	CONTROL DUST. CONTROL DUST. CONTRACTOR TO HAS BEEN THE CONTRACTOR TO KEEP ANY BE IMMEDIATELY N PRIOR TO ANY SITED THE SITE PRIOR TO OT BE ALLOWED TO THE CONT FOR NECESSAR ALL MAINTAIN FULL MUST BE ECURED AREAS. RICTED AREAS. THE ICTED AREAS AT COR AIRPORT	Y - E	SEWER – CITY OF NEWBE 1330 COLLEGE NEWBERRY, SC (803) 321–101 POWER – NEWBERRY ELE 882 WILSON ROA NEWBERRY, SC (803) 276-1121 TELEPHONE - AT&T



2 A								
	Point Table							
	Point #	Northing	Easting	Description				
/								
	1	902047.16	1807899.86	Radius				
	2	902008.31	1807865.29	Radius				
	3	902033.86	1807914.80	3				
	4	902032.26	1807886.51	4				
	5	901995.02	1807880.23	5				
	6	902023.21	1807878.64	6				
	7	902088.09	1807824.22	7				
	8	902102.98	1807837.56	8				
	9	902115.76	1807822.18	9				
	10	902164.85	1807862.95	10				
	11	902162.93	1807865.25	Radius				
	12	902163.97	1807868.07	12				
	13	902146.86	1807874.39	13				
	14	902178.84	1807900.95	14				
	15	902199.20	1807893.43	15				
	16	902200.24	1807896.24	Radius				
	17	902202.16	1807893.93	17				
	18	902203.61	1807895.14	18				

	Point Table					
Point #	Northing	Easting	Description			
19	902184.44	1807918.22	Radius			
20	902209.57	1807934.62	20			
21	902165.68	1808001.85	21			
22	902148.93	1807990.92	Radius			
23	902135.63	1808005.86	23			
24	902175.28	1808040.09	24			
25	902171.90	1808014.28	25			
26	902188.64	1808025.21	Radius			
27	902218.11	1807943.48	27			
28	902256.03	1807932.75	28			
29	902243.23	1807959.88	Radius			
30	902275.42	1807941.89	30			
31	902281.39	1807929.23	31			
32	902230.79	1807905.37	32			
33	902221.90	1807897.10	33			
34	902239.32	1807887.28	Radius			
35	902211.92	1807885.14	35			
36	902189.91	1807866.86	36			
37	902188.87	1807864.05	37			
38	902192.53	1807842.65	38			

Point
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L	EGEND
(#)	CODED NOTE
\bullet	CONTROL POINT
XX	EXISTING CHAIN-LINK FENCE
——————————————————————————————————————	- PROPOSED CHAIN-LINK FENCE
TSA	- EXISTING TSA
0	PROPOSED SIGN
	PROPOSED SCDOT TYPE 1 ASPHALT PAVEMENT

	LEGEND
	PROPERTY LINE
	CONTROL POINT
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
X	EX. CHAIN-LINK FENCE
FM	EX. FORCE MAIN
———т—	EX. TELEPHONE
OE	EX. OVERHEAD ELECTRIC
—— TSA ——	EX. TAXIWAY SAFETY AREA
Ś	EXISTING POWER POLE
<u> </u>	PROPOSED DRAINAGE PIPE (RCP)
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED CONCRETE
	PROPOSED ASPHALT PAVEMENT

<u>SC</u> 1.	IF NECESSARY, SLOPES, WHI SYNTHETIC OR VEGETATIVE N TEMPORARY SLOPE DRAINS SLOPE IS BROUGHT TO GRA	DESION CONTROL NOTES CH EXCEED EIGHT (8) VERTICAL FEET SH MATS, IN ADDITION TO HYDROSEEDING. IT DURING CONSTRUCTION. TEMPORARY BEF ADE.	IOULD BE STABILIZED WITH MAY BE NECESSARY TO INSTALL RMS MAY BE NEEDED UNTIL THE	
2.	STABILIZATION MEASURES SH WHERE CONSTRUCTION ACTIV MORE THAN FOURTEEN (14) STABILIZATION BY THE 14TH STABILIZATION MEASURES MI ACTIVITY ON A PORTION OF WILL BE RESUMED WITHIN 14 INITIATED ON THAT PORTION	HALL BE INITIATED AS SOON AS PRACTIC /ITIES HAVE TEMPORARILY OR PERMANEN DAYS AFTER WORK HAS CEASED, EXC DAY IS PRECLUDED BY SNOW COVER OF JST BE INITIATED AS SOON AS PRACTIC THE SITE IS TEMPORARILY CEASED, AND DAYS, TEMPORARY STABILIZATION MEAS OF THE SITE.	ABLE IN PORTIONS OF THE SITE TLY CEASED, BUT IN NO CASE EPT AS STATED BELOW. WHERE R FROZEN GROUND CONDITIONS CABLE. WHERE CONSTRUCTION EARTH DISTURBING ACTIVITIES SURES DO NOT HAVE TO BE	
3.	ALL SEDIMENT AND EROSION IF PERIODIC INSPECTION OR INAPPROPRIATELY OR INCOR REPLACEMENT OR MODIFICAT IDENTIFICATION.	CONTROL DEVICES SHALL BE INSPECTED OTHER INFORMATION INDICATES THAT A RECTLY INSTALLED, THE PERMITTEE MUSTION REQUIRED TO CORRECT THE BMP WI	O ONCE EVERY CALENDAR WEEK. BMP HAS BEEN FADDRESS THE NECESSARY THIN 48 HOURS OF	
4.	PROVIDE SILT FENCE AND/O EROSION DURING UTILITY CO STABILIZED WITH GRASSING TEMPORARY SEEDING AT THI WHILE TRENCHING, THE WATE BACK INTO ANY WATERS OF	R OTHER CONTROL DEVICES, AS MAY BE NSTRUCTION. ALL DISTURBED AREAS SHA IMMEDIATELY AFTER THE UTILITY INSTALL E END OF EACH DAY ARE RECOMMENDED ER SHOULD BE FILTERED TO REMOVE SEI THE STATE.	REQUIRED, TO CONTROL SOIL ALL BE CLEANED, GRADED, AND ATION. FILL, COVER, AND D. IF WATER IS ENCOUNTERED DIMENT BEFORE BEING PUMPED	
5.	ALL EROSION CONTROL DEVI CONSTRUCTION UNTIL THE C HAVE BEEN STABILIZED. ADD ORDER TO CONTROL EROSION	CES SHALL BE PROPERLY MAINTAINED DI OMPLETION OF ALL CONSTRUCTION ACTIV DITIONAL CONTROL DEVICES MAY BE REQUNN AND/OR OFFSITE SEDIMENTATION. ALL	JRING ALL PHASES OF /ITIES AND ALL DISTURBED AREAS JIRED DURING CONSTRUCTION IN TEMPORARY CONTROL DEVICES	
6.	THE CONTRACTOR MUST TAK ROADWAY(S) FROM CONSTRU	E NECESSARY ACTION TO MINIMIZE THE ICTION AREAS AND THE GENERATION OF	TRACKING OF MUD ONTO PAVED DUST. THE CONTRACTOR SHALL	
7.	DAILY REMOVE MUD/SOIL FR RESIDENTIAL SUBDIVISIONS R FOR INDIVIDUAL LOT CONSTR DURING CONSTRUCTION OR (OM PAVEMENT, AS MAY BE REQUIRED. REQUIRE EROSION CONTROL FEATURES FO RUCTION. INDIVIDUAL PROPERTY OWNERS DBTAIN APPROVAL OF AN INDIVIDUAL PL/	R INFRASTRUCTURE AS WELL AS SHALL FOLLOW THESE PLANS AN IN ACCORDANCE WITH S.C	
8.	TEMPORARY DIVERSION BERN CONSTRUCTION TO PROTECT	AD SERTOODOD. AS AND/OR DITCHES WILL BE PROVIDED WORK AREAS FROM UPSLOPE RUNOFF A	AS NEEDED DURING ND/OR TO DIVERT SEDIMENT	
9.	-LADEN WATER TO APPROP ALL WATERS OF THE STATE CLEARLY MARKED IN THE FI WHERE A 50-FOOT BUFFER	RIATE TRAPS OR STABLE OUTLETS. (WOS), INCLUDING WETLANDS, ARE TO B ELD. A DOUBLE ROW OF SILT FENCE IS T CAN'T BE MAINTAINED BETWEEN THE DIS	E FLAGGED OR OTHERWISE FO BE INSTALLED IN ALL AREAS FTURBED AREA AND ALL WOS. A	
10.	10-FOOT BUFFER SHOULD B LITTER, CONSTRUCTION DEBF FOR IMPACT (SUCH AS STOC THAT COULD BE EXPOSED T	E MAINTAINED BETWEEN THE LAST ROW RIS, OILS, FUELS, AND BUILDING PRODUC CKPILES OF FRESHLY TREATED LUMBER) O STORM WATER MUST BE PREVENTED F	OF SILT FENCE AND ALL WOS. TS WITH SIGNIFICANT POTENTIAL AND CONSTRUCTION CHEMICALS ROM BECOMING A POLLUTANT	
11.	SOURCE IN STORM WATER D A COPY OF THE SWPPP, INS CONSTRUCTION SITE OR A N	ISCHARGES. SPECTIONS RECORDS, AND RAINFALL DAT IEARBY LOCATION EASILY ACCESSIBLE DU	A MUST BE RETAINED AT THE JRING NORMAL BUSINESS HOURS,	
12.	FROM THE DATE OF COMMEN INITIATE STABILIZATION MEAS LAND-DISTURBING ACTIVITIES	NCEMENT. SURES ON ANY EXPOSED STEEP SLOPE (S HAVE PERMANENTLY OR TEMPORARILY	3H:1V OR GREATER) WHERE CEASED, AND WILL NOT RESUME	
13.	FOR A PERIOD OF 7 CALENE MINIMIZE SOIL COMPACTION	DAR DAYS. AND, UNLESS INFEASIBLE, PRESERVE TOF	PSOIL.	
14.	MINIMIZE THE DISCHARGE OF WATER, AND OTHER WASH V ALTERNATIVE CONTROL THAT	POLLUTANTS FROM EQUIPMENT AND VE VATERS. WASH WATERS MUST BE TREATE PROVIDES EQUIVALENT OR BETTER TREA	HICLE WASHING, WHEEL WASH D IN A SEDIMENT BASIN OR ATMENT PRIOR TO DISCHARGE;	
15.	MINIMIZE THE DISCHARGE OF THESE DISCHARGES ARE TO ETC.).	POLLUTANTS FROM DEWATERING OF TRE BE ROUTED THROUGH APPROPRIATE BMI	ENCHES AND EXCAVATED AREAS. PS (SEDIMENT BASIN, FILTER BAG,	
16.	THE FOLLOWING DISCHARGES CONCRETE, UNLESS MANAGE CLEANOUT OF STUCCO, PAIN MATERIALS; FUELS, OILS, OF MAINTENANCE; AND SOAPS	FROM SITES ARE PROHIBITED: WASTEWA D BY AN APPROPRIATE CONTROL; WASTI IT, FORM RELEASE OILS, CURING COMPOUNT OTHER POLLUTANTS USED IN VEHICLE OR SOLVENTS USED IN VEHICLE AND EQU	TER FROM WASHOUT OF EWATER FROM WASHOUT AND JNDS AND OTHER CONSTRUCTION AND EQUIPMENT OPERATION AND JIPMENT WASHING.	
17.	AFTER CONSTRUCTION ACTIV LEAST ONCE EVERY CALEND REACHED ON ALL AREAS OF	ITIES BEGIN, INSPECTIONS MUST BE CON AR WEEK AND MUST BE CONDUCTED UN THE CONSTRUCTION SITE.	DUCTED AT A MINIMUM OF AT TIL FINAL STABILIZATION IS	
18.	IF EXISTING BMPS NEED TO THE REQUIREMENTS OF THIS MUST BE COMPLETED BEFOR BEFORE THE NEXT STORM E	BE MODIFIED OR IF ADDITIONAL BMPS AF PERMIT AND/OR SC'S WATER QUALITY S E THE NEXT STORM EVENT WHENEVER P VENT IS IMPRACTICABLE, THE SITUATION	RE NECESSARY TO COMPLY WITH STANDARDS, IMPLEMENTATION RACTICABLE. IF IMPLEMENTATION MUST BE DOCUMENTED IN THE	
19.	A PRE-CONSTRUCTION CONF APPROVED ON-SITE SWPPP NON-LINEAR PROJECTS THA ON-SITE UNLESS THE DEPAI	FERENCE MUST BE IMPLEMENTED AS SOON A PRIOR TO THE IMPLEMENTATION OF CON T DISTURB 10 ACRES OR MORE THIS CON RTMENT HAS APPROVED OTHERWISE.	STRUCTION SITE WITH AN STRUCTION ACTIVITIES. FOR NFERENCE MUST BE HELD	
	SEQU	ENCE OF CONSTRUCTION		
	1. THIS SEQUENCE IS FO	R THE INSTALLATION OF SEDIMENT AND	EROSION CONTROL. FRAGE IS RECEIVED FROM SCDHEC.	
	3. ON-SITE PRE-CONSTR	RUCTION MEETING		
	 INSTALLATION OF PER GRUBBING OF GRADED 	IMETER SEDIMENT & EROSION CONTROL (AREAS & DEMOLITION.	(INCL. CONSTRUCTION ENTRANCE)	
	6. ROUGH GRADING & S	TORM DRAINAGE INSTALLATION		
	7. FINISH GRADING 8. PAVING			
	9. ADDITIONAL BMP'S AS	PROGRESS WARRANTS - OUTLET PROTE	ECTION, CHECK DAMS, ETC.	
	 10. FINE GRADING 11. PERMANENT GRASSING 			
	12. REMOVAL OF TEMPORA DISTURBED IS STABILI	ARY SEDIMENT & EROSION CONTROL MEA ZED. (NO SEPARATE PAYMENT WILL BE N	SURES AFTER ENTIRE AREA MADE).	Z
	13. ENGINEER SUBMIT NO	TICE OF TERMINATION TO SCDHEC.		
		LEGEND		
		 PROPERTY LINE CONTROL POINT EXISTING MAJOR CONTOUR 		
		- EXISTING MINOR CONTOUR		
	X	- EX. CHAIN-LINK FENCE - EX. FORCE MAIN	ERUSION CONTROL LEGENI	<u>ر</u>
	T		(FS) 8" DIAM. FILTER SOCK	FS FS
		- EX. TAXIWAY SAFETY AREA		
	\mathcal{S}	EXISTING POWER POLE	(PS) PERMANENT SEEDING (ALL DISTURBED AREAS)	

_	()	/
CE	CONSTRUCTION	ENTRANCE

PROPOSED DRAINAGE PIPE (RCP)

PROPOSED LIMITS OF DISTURBANCE

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------ PROPOSED MAJOR CONTOUR

PROPOSED CONCRETE

PROPOSED ASPHALT PAVEMENT OP OUTLET PROTECTION

GRAPHIC SCALE IN FEET

OUTLET PROTECTION DETAIL NOT TO SCALE

MADE MATERIALS.

PROPOSED TERMINAL BUILDING

COMPOST FILTER SOCK CHECKDAM DETAIL NOT TO SCALE

- A. RANGE OF PH IS 5.0-8.0 IN ACCORDANCE WITH TMECC 04.11-A, ELECTROMETRIC PH DETERMINATIONS FOR COMPOST. B. PARTICLE SIZE 99% PASSING A 2-INCH (50MM) SIEVE WITH A RANGE OF 30%-50% PASSING A 3/8-INCH (9.5MM) SIEVE, IN ACCORDANCE WITH TMECC 02.02-B, "SAMPLE SIEVING FOR AGGREGATE SIZE CLASSIFICATION". (NOTE IN THE FIELD, PRODUCT COMMONLY IS BETWEEN $\frac{1}{2}$ INCH AND 2-INCH PARTICLE SIZE.) MESH OPENING SIZE SHALL BE BETWEEN 1 AND 3". MOISTURE CONTENT OF LESS THAN 60% IN ACCORDANCE WITH STANDARDIZED TEST
- METHODS FOR MOISTURE DETERMINATION. E. MATERIAL SHALL BE RELATIVELY FREE (<1% BY DRY WEIGHT) OF INERT OR FOREIGN MAN F. A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING AND MUST COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS. G. EXAMPLES OF MEDIA THAT MAY BE USED INCLUDE UNTREATED AND NON-PAINTED WOOD PALETS, AND CLEAN LAND CLEARING DEBRIS OR TREE CHIPS PROVIDED THEY MEET THE CRITERIA SHOWN ABOVE.

COMPOST FILTER SOCK DETAIL NOT TO SCALE

SEEDING NOTES

- TOPSOIL IS TO BE STRIPPED AND STOCKPILED IN AN AREA DESIGNATED BY THE ENGINEER AND PROTECTED FROM EROSION.
- GRASS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE STRIPPED AND REMOVED FROM THE SITE. FERTILIZER SHALL BE GRADE 10-10-10 COMPLETE FERTILIZER OF UNIFORM COMPOSITION, FREE-FLOWING AND SUITABLE FOR APPLICATION WITH EQUIPMENT, DELIVERED TO SITE IN BAGS LABELED WITH MANUFACTURER'S GUARANTEE ANALYSIS, AND SHALL CONFORM TO ALL STATE AND FEDERAL REGULATIONS.
- SEEDS SHALL BE MIXTURE AS APPROVED BY THE ENGINEER AND SHALL MEET REQUIREMENTS OF 4. SEED LAWS OF THE STATE AND THE US DEPARTMENT OF AGRICULTURE RULES AND REGULATIONS UNDER FEDERAL SEED ACT IN EFFECT ON DATE BIDS ARE RECEIVED. SEED SHALL BE DELIVERED IN STANDARD CONTAINER. SEED WHICH HAS BECOME WET, MOLDY, OR DAMAGED IN TRANSIT OR STORAGE WILL NOT BE ACCEPTED.
- MULCH SHALL FOLLOW SPECIFICATION SECTION T-901 FOR MATERIAL REQUIREMENTS AND APPROVED CONSTRUCTION METHODS.
- 6. SPREAD LIME AT A RATE OF 3,000 LBS. PER ACRE.
- FERTILIZER SHALL BE DISTRIBUTED UNIFORMLY AT A RATE OF 1,000 LBS. PER ACRE AND SHALL BE 7 INCORPORATED INTO SOIL TO A DEPTH OF AT LEAST 2" BY DISKING AND HARROWING.
- 8. SPREAD SEED AT A RATE AS NOTED ON THE DRAWINGS. IMMEDIATELY AFTER FERTILIZING AND SEEDING HAVE BEEN COMPLETED, ENTIRE AREA SHALL BE COMPACTED BY MEANS OF A CULTIPACKER, ROLLER, OR APPROVED EQUIPMENT WEIGHING APPROXIMATELY 90 LBS. PER LINEAR FOOT OF ROLLER. USE OF SPECIFIED MULCH, APPLIED AT A RATE OF 1-2TON/ACRE (USE THE HIGHER RATE FOR 3:1 OR GREATER SLOPES) WITH ASPHALT EMULSION TYPE SS-1, MS-2, RS-1, OR RS-2 SHALL BE USED TO PROTECT SITE AGAINST EROSION.
- 10. AREAS THAT REQUIRE RE-FERTILIZATION AND/OR RE-SEEDING WILL BE DESIGNATED BY THE ENGINEER. WHEN ANY PORTION OF SURFACE BECOMES GULLED OR OTHERWISE DAMAGED FOLLOWING SEEDING, OR SEEDLINGS HAVE BEEN WINTER-KILLED OR OTHERWISE DESTROYED, AFFECTED PORTION SHALL BE REPAIRED TO RE-ESTABLISH CONDITION AND GRADE OF SOIL PRIOR TO SEEDING AND SHALL BE RE-SEEDED AS SPECIFIED ABOVE.
- ALL DISTURBED AREAS ARE TO BE GRADED IMMEDIATELY AFTER CONSTRUCTION IN THE AREA, AT NO 11. TIME WILL AN AREA BE LEFT BARE FOR MORE THAN 14 DAYS AFTER COMPLETION OF CONSTRUCTION.
- PERMANENT GRASS SHALL BE PROVIDED FOR ALL DISTURBED AREAS, SEED SHALL BE A MINIMUM 12. 90% PURITY AND 80% GERMINATION AREAS TO HAVE GRASS APPLIED SHALL BE SCARIFIED CULTIVATED TO A DEPTH OF 3 INCHES, WITH ALL CLODS OR CLUMPS BROKEN UP AND FOREIGN MATERIAL AND DEBRIS REMOVED. FERTILIZER AND LIME SHALL BE THOROUGHLY WORKED INTO THE SOIL, AND THE SURFACE RAKED SMOOTH BEFORE APPLYING SEED. SEED SHALL BE APPLIED EVENLY AT THE MINIMUM RATE AND RAKED IN LIGHTLY. MULCH SHALL BE APPLIED AT THE RATE AS SPECIFIED ABOVE.
- 13. CONTRACTOR SHALL WATER AS NEEDED UNTIL GRASS IS ESTABLISHED. 14. ALL DISTURBED AREAS SHALL BE HYDRO-SEEDED. THIS INCLUDES AREAS TRENCHED FOR

ELECTRICAL.

SEEDING SCHEDULE FOR PERMANENT VEGETATION

SEEDING SCHEDULE FOR PERMANENT VEGETATION UPPER STATE					
SCHEDULE NO.	COMMON NAME OF SEED	POUNDS RURAL	S/ACRE URBAN	PLANTING DATES	
	COMMON BERMUDA (HULLED) ³	23	23	MARCH 15	
1	WEEPING LOVEGRASS ²	10	10	TO AUGUST 14	
I	SERICEA LESPEDEZA (SCARIFIED) ²	50	60	A00031 14	
	KENTUCKY 31 FESCUE	10	10		
	KENTUCKY 31 FESCUE	50	80		
	WEEPING LOVEGRASS ²	10	10		
2	SERICEA LESPEDEZA (UNHULLED, UNSCARIFIED) ²	80	80	ALICUST 15	
	RESEEDING CRIMSON CLOVER4	20	0	TO MARCH 14	
	ANNUAL RYE GRASS ⁷	5	15		
	RYE GRAIN	20	0		
	COMMON BERMUDA (unhulled) ³	30	30		
INCLUDES RURAL AREAS ADJACENT TO WELL DEVELOPED LAWNS					

INCLUDES RURAL AREAS ADJACENT TO WELL DEVELOPED LAWINS. NOT REQUIRED ON SHOULDERS, MEDIANS, ETC. AND ON SLOPES UNDER FIVE (5) FEET IN HEIGHT.

3. DO NOT USE GIANT BERMUDA SEED INCLUDING NK-37.

INOCULATE RE-SEEDING CRIMSON CLOVER IN ACCORDANCE WITH SUBSECTION 810.2.4 (SCDOT STD. SPECIFICATIONS FOR HWY CONSTRUCTION). DO NOT PLANT CLOVER IN MEDIANS OR IN RURAL AREAS ADJACENT TÓ WELL DEVELOPED LAWNS.

APPLY ONE HALF OF LIME RATES AND ONE HALF OF MAINTENANCE FERTILIZER RATES. FERTILIZER CENTIPEDE AT THE APPLICATION RATE OF 20 POUNDS PER ACRE OF 16-4-8 OR 15-015 FERTILIZERS IN MAY AND REPEAT IN AUGUST.

THE USE OF ITALIAN RYE GRASS IS PROHIBITED ON ALL PROJECTS. 6

PERMANENT SEEDING (MULCHED) DETAIL

4

SEE	DING SCHEDULE FOR TEMP	ORARY VEGETATION UP	PER STATE	
SCHEDULE NO.	COMMON NAME OF SEED	POUNDS/ACRE	PLANTING DATES	
1	BROWN TOP MILLET	50	APRIL 1 TO AUGUST 15	
2	RYE GRAIN	55	AUGUST 16 TO	
	ANNUAL RYEGRASS ¹	15	MARCH 31	
1. ADD OAT GRAIN AT THE RATE OF 10 POUNDS PER ACRE TO SCHEDULES IF THE SEEDING DATE IS BETWEEN MARCH 1 AND APRIL 16.				

SEEDING SCHEDULE FOR TEMPORARY VEGETATION

NOT TO SCALE

NOT TO SCALE

- Hub end on outlet end-sections

Spigot end on inlet end-sections

PLAN

Bar or steel

fabric

reinforcement

____ U _____

 END-SECTION
 DIMENSIONS

 DIAM.
 A
 B
 C
 D
 E

 18"
 9"
 2'-3"
 1'-9"
 4'-0"
 3'-0"

CONCRETE FLARED END SECTION

NOT TO SCALE

SECTION X-X

Concrete to be

4000 PSI Min.

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END VIEW

NEWBERRY COUNTY AIRPORT 1139 AIRPORT ROAD NEWBERRY, SC 29108

NFRAI			LUMBER
1. THESE GENERAL NOTES ARE NOT INTENDED T NOTES.	O REPLACE SPECIFICATIONS. S	EE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL	1. ALL LUMBER AND ITS FASTENINGS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION F AMERICAN FORFST AND PAPER ASSOCIATION
2. THE STRUCTURAL DRAWINGS AND SPECIFICAT INDICATE THE METHOD OR MEANS OF CONSTR RESPONSIBLE FOR ALL CONSTRUCTION MEANS	TONS REPRESENT THE FINISHE RUCTION. THE CONTRACTOR SE 5, METHODS, PROCEDURES, TE	ED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT IALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY CHNIQUES, AND SEQUENCE. ALL APPLICABLE SAFETY REGULATIONS TO BE	 ALL LUMBER SHALL BE OF THE FOLLOWING PROPERTIES UNLESS OTHERWISE NOTED (OR EQUIVA ALL STRUCTURAL LUMBER (SPRUCE-PINE-FIR NO. 2) - CONTRACTOR NOTE: SPF (SOUTH) IS NOT 2x4 Fb 1,313 PSI
FOLLOWED STRICTLY. 3. THE STRUCTURE HAS BEEN DESIGNED TO RES	IST DESIGN LOADS ONLY AS A	COMPLETED STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO	Fc 1,323 PSI (PARALLEL TO GRAIN) 2x6 Fb 1,138 PSI
FORMWORK, AND ANY OTHER SUPPORTING EL	L BE CONSIDERED BY THE CON EMENTS PROVIDED FOR CONST INTRACTOR MUST PROVIDE TE	RACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, RUCTION OF THE STRUCTURE. DURING ERECTION AND UNTIL ALL MPORARY BRACING FOR THE STRUCTURE IN ALL DIRECTIONS	FC 1,265 PSI (PARALLEL TO GRAIN) 2x8 Fb 1,050 PSI Fc 1,208 PSI (PARALLEL TO GRAIN)
 THE GENERAL CONTRACTOR SHALL CHECK AND DISCREPANCIES TO THE ARCHITECT PRIOR TO 	O VERIFY ALL DIMENSIONS AND ORDERING MATERIALS OR PRO	ORADE CONDITIONS (BOTH NEW AND EXISTING), REPORTING ANY DCEEDING WITH ANY PHASE OF THE WORK.	2x10 Fb 963 PSI Fc 1,150 PSI (PARALLEL TO GRAIN)
5. THE CONTRACTOR SHALL COMPARE STRUCTUR PRIOR TO FABRICATION OR INSTALLATION OF	AL SECTIONS WITH ARCHITEC STRUCTURAL MEMBERS.	TURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT	2x12 Fb 875 PSI Fc 1,150 PSI (PARALLEL TO GRAIN)
. DO NOT SCALE DIMENSIONS FROM DRAWINGS THE DRAWINGS. IF ANY BIDDER IS IN DOUBT AS TO THE INTEN	5. THE CONTRACTOR SHALL REG	QUEST, FROM THE ARCHITECT, NECESSARY DIMENSIONS NOT SHOWN ON	E 1,400 KSI (ALL SIZES NOTED ABOVE)
IN WRITING AT LEAST TEN (10) DAYS PRIOR T PRINCIPAL OPENINGS IN THE STRUCTURE ARE	O THE SCHEDULED BID DATE. SHOWN ON THESE DRAWINGS	. THE GENERAL CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL	3. ALL WOOD BEARING ON CONCRETE, MASONRY, OR EXPOSED TO WEATHER SHALL BE PRESSURE BEARING ON CONCRETE, MASONRY, OR EXPOSED TO WEATHER SHALL BE CHEMICALLY TREATED
MECHANICAL, ELECTRICAL, AND PLUMBING DR DRAWINGS OR NOT. GENERAL CONTRACTOR S	AWINGS FOR REQUIRED OPEN HALL VERIFY SIZE AND LOCATI	INGS AS THEY SHALL BE PROVIDED FOR WHETHER SHOWN ON THESE ON OF ALL OPENINGS WITH ALL SUB-CONTRACTORS PRIOR TO	 ALL SILL PLATES SHALL BE ANCHORED TO CONCRETE OR MASONRY WITH A MINIMUM 1/2" DIAMET STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, DUCTWORK, ETC., UNLESS SPECIFICALLY LICHES FOR POLTS SHALL BE POPED 1/22" TO 1/16" LARGER THAN THE NOMINAL POLT DIAMETER
 WHERE A CONFLICT BETWEEN DRAWINGS AND WHERE A DETAIL IS SHOWN FOR ONE CONDIT 	SPECIFICATIONS OCCURS THE	E MORE STRINGENT REQUIREMENT SHALL APPLY. LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY	 OLES FOR BOLTS SHALL BE BORED 1/32 TO 1/16 LARGER THAN THE NOMINAL BOLT DIAMETE ALL BOLTS SHALL BE RE-TIGHTENED PRIOR TO APPLICATION TO GYPSUM WALLBOARD, PLYWOOI ALL BOLTS BEARING ON WOOD SHALL HAVE WASHERS UNDER HEAD AND/OR NUT.
REFERENCED ON THE DRAWINGS.			 ALL NAILS SHALL BE COMMON UNLESS NOTED OTHERWISE. STANDARD WOOD CONNECTORS MUST BE PROVIDED BY THE GENERAL CONTRACTOR FOR WOOD MUST BE G90 GALVANIZED ZINC CONNECTORS. EXTERIOR FRAMING CONNECTORS MUST BE G18
IGN CRITERIA			
 A. 2015 INTERNATIONAL BUILDING CODE B. MINIMUM DESIGN LOADS FOR BUILDIN C. BUILDING CODE REOUIREMENTS FOR S 	(IBC) W/SOUTH CAROLINA BUI GS AND OTHER STRUCTURES (/ TRUCTURAL CONCRETE (ACI 31	LDING CODES MODIFICATIONS (2015) ASCE 7-10) 8-14)	SHEATHING 1. ALL SHEATHING SHALL BE PLYWOOD OR OSB. ALL PLYWOOD SHEATHING, DIAPHRAGMS, AND SH
 D. BUILDING CODE REQUIREMENTS FOR M 2. LIVE LOADS 	ASONRY STRUCTURES (ACI 31) UNIFORM (PSF)	3-13) CONCENTRATED(LB)	STANDARD PS-1-07 WITH EXTERIOR GLUE. ALL OSB SHEATHING, DIAPHRAGMS, AND SHEAR WAL STANDARD PS-2-04.
CORRIDORS (GROUND) OFFICE	100 50*	2,000 2,000	 SHEATHING SHEETS SHALL BE LAID WITH LONG DIMENSION PERPENDICULAR TO THE SUPPORTING. SEE SHEAR WALL SCHEDULE FOR SHEATHING FASTENING REQUIREMENTS AT SHEAR WALL.
MEETING ROOM PUBLIC AREAS, LOBBIES ROOF	50 100 20	N/A 2,000 300	4. WALL SHEATHING SHALL BE 7/16" EXTERIOR GRADE (SPAN RATING 24/16), UNO IN SHEAR WALL WALLS SHALL BE FASTENED WITH 8d NAILS @6"OC AT ALL EDGES AND 8d NAILS @12"OC IN PAN EDGES IN SHEAR WALL SHEAR WALL NAILING DATTED IN SHEAR WALL
* ADDITIONAL 15 PSF PARTITION LOAD INCLU . OCCUPANCY CATEGORY:	DED II	500	 WOOD ROOF SHEATHING SHALL BE 19/32" EXTERIOR GRADE (SPAN RATING 40/20) AND SHALL E 8d NAILS @12"OC IN PANEL FIELD. PROVIDE 2x4 BLOCKING OR CLIPS AT MIDSPAN AND AT ALL F
SNOW LOAD: GROUND SNOW LOAD	Pg = 10 PSF		
IMPORTANCE FACTOR SNOW EXPOSURE FACTOR	Is = 1.0 $Ce = 0.9$		PREFABRICATED WOOD TRUSSES
I HERMAL FACTOR FLAT SNOW ROOF LOAD DRIFT SURCHARGE LOAD	Ct = 1.0 Pf = 10 PSF Pd = 33 DCE		1. PREFABRICATED ROOF TRUSS MANUFACTURER SHALL SUBMIT CALCULATIONS AND TRUSS LAYOU
WIDTH OF SNOWDRIFT WIND LOAD:	W = 6 FT		ARCHITECT AND BUILDING DEPARTMENT PRIOR TO ERECTION. 2. ALL LUMBER AND ITS FASTENINGS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION I AMERICAN EXPERIMENTATION CONFORM TO ADDITIONAL DESIGN SPECIFICATION I
BASIC DESIGN WIND VELOCITY IMPORTANCE FACTOR	V = 115 MPH Iw = 1.0		WOOD TRUSSES (LATEST EDITION). 3. DESIGN SHALL CONSIDER LOADS INDICATED AS WELL AS ALL MECHANICAL FOLITIOMENT AND CE
EXPOSURE CATEGORY INTERNAL PRESSURE COEFFICIENTS	C ±0.18	$\lambda u = 27.0 \mu$	ARCHITECTURAL DRAWINGS. 4. TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM LOADS:
COMPONENTS & CLADDING WIND PRESSURE P 70NF NET AREA (SE)	VX = 9.7K ER ASCE-7-10. POSITIVE PRESSURE	VY = 27.0K (PSF) NEGATIVE PRESSURE (PSF)	TOP CHORD $DL = 10 \text{ PSF} (AT \text{ ROOF})$ DL = 20 PSF (AT FLOOR)
1 10 1 20	+20.1 +18.4	-32.0 -31.1	LL = 20 PSF (AT ROOF) LL = PER CODE (AT FLOOR)
1 50 1 100	+16.1 +14.2	-30.0 -29.0	DL = 350 LB AT ANY POINT (SPRINKLER PIPE) 5. TRUSS SUPPLIER SHALL CALCULATE UPLIFT LOADS BASED ON THE WIND LOAD CRITERIA LISTED
2 10 2 20 2 50	+20.1 +18.4	-55.8 -51.3	WIND UPLIFT LOAD SHALL BE 20 PSF. 6. TRUSS CHORDS AND WEBS SHALL BE DOUGLAS FIR OR SOUTHERN PINE, PS 20, GRADED TO NFP.
2 50 2 100 3 10	+10.1 +14.2 +20.1	-45.4 -40.9 -82.4	MAXIMUM MOISTURE CONTENT - 19% MINIMUM GRADE OF CHORD - NO. 2
3 20 3 50	+18.4 +16.1	-77.1 -69.9	MINIMUM GRADE OF WEB MEMBERS - NO. 3 7. ALL TRUSSES SHALL BE DESIGNED FOR THE ACTUAL DEAD LOAD PLUS LIVE LOAD (SPECIFIED AB SHALL NOT EXCEED 1/360, MAXIMUM DEFLECTION DUE TO TOTAL LOAD SHALL NOT EXCEED 1/24
3 100 4 10	+14.2 +35.0	-64.7 -37.9	AFTER LONG TERM DEFLECTION OCCURS. 8. SUBMIT SHOP DRAWINGS FOR ALL TRUSSES, SHOP DRAWINGS SHALL INDICATE PLACING OF ALL
4 20 4 50 4 100	+33.3 +31.3 +20.7	-36.3 -34.3 -32.7	LOCATION AND SPACING. THEY SHALL ALSO INDICATE SUPPLEMENTAL BRACING, SPLICES, BRID PROPER INSTALLATION. SHOP DRAWINGS SUBMITTED MUST BE PREPARED UNDER THE SUPERVIS
4 100 5 10 5 20	+29.7 +35.0 +33.3	-32.7 -46.8 -43.7	ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. 9. TRUSS MANUFACTURER SHALL PROVIDE A TRUSS LAYOUT PLAN INDICATING ALL TRUSSES WITH
5 50 5 100	+31.3 +29.7	-39.6 -36.3	ANOTHER (GIRDER TRUSSES, MULTI-PLY, PIGGY-BACK, VALLEY, ETC) AND THAT ALL NOTED DES DESIGN OF THE TRUSSES, IT IS NOT THE INTENT THAT THE TRUSSES FOR THE RESPONSIBLE
NOTES: A. ZONE PER FIGURE 30.5-1 ASCE 7-10 WHER	E A= 10FT(ENCLOSED BUILDIN	G)	UNLESS CHANGES TO THE TRUSS LAYOUT ARE MADE RELATIVE TO THE CONTRACT DOCUMENTS. 10. ALL TRUSSES AND CONNECTIONS SHALL BE DESIGNED BY THE SUPPLIER'S ENGINEER. SUBMIT (
BY THE MANUFACTURER'S ENGINEER FOR WIN PRESSURES LISTED ABOVE.	D LOADS DETERMINED PER TH	E 2015 INTERNATIONAL BUILDING CODE FOR THE DESIGN WIND	CONNECTIONS. CALCULATIONS SHALL INCLUDE ALL DESIGN LOADS, MAXIMUM AXIAL TENSION A MAXIMUM DEFLECTIONS AND SPAN-TO-DEFLECTION RATIOS FOR LIVE AND TOTAL LOADS, AND F
 SEISMIC LOAD (2008 USGS SEISMIC DESIGN I DESIGN METHOD - EQUIVALENT LATERAL FOR 	MAPS): CE PROCEDURE		MAXIMUM UPLIFT REACTION FORCES. 11. ALL TRUSSES SHALL BE BRACED TO PREVENT ROTATION AND PROVIDE LATERAL STABILITY. SHO REQUIRED WHICH SHALL BE SUPPLIED BY THE CONTRACTOR
Ss S1 Sdc	33.0 %g 11.9 %g		12. TRUSS SHOP DRAWINGS SHALL INCLUDE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT F DRAWING.
Sus Sd1 IMPORTANCE FACTOR	33.8 %g 18.4 %g Ie = 1 0		13. GABLE ENDWALL TRUSSES SHALL BE DESIGNED FOR THE COMPONENTS AND CLADDING LOADS (MEMBERS SHALL BE LESS THAN L/360. SUPPLY BRACING AS REQUIRED FOR LOADS AND DEFLECT
SITE CLASS SEISMIC RESPONSE COEFFICIENT	D Csx = 0.17	Csy = 0.17	THE TRUSS ENGINEER FOR ALL GABLE ENDWALL TRUSSES. 14. ALL BRACING MATERIAL SHALL BE A MINIMUM 2x4 SPRUCE PINE FIR NO 2 OR BETTER ANCHORE 15. IE PERMANENT TRUSS RESTRAINT/REACING FOR TOP, BOTTOM AND WER MEMBERS, ARE NOT DE
SEISMIC DESIGN CATEGORY BASIC SEISMIC FORCE RESISTING SYSTEM:	C		BRACING SHALL BE IN ACCORDANCE WITH BCSI-B3 OR BCSI-B7 FOR PARALLEL CHORD TRUSSES 16. TEMPORARY BRACING, WHERE REOUIRED, SHALL BE PROVIDED UNTIL THE ERECTION IS COMPL
WOOD SHEAR WALLS W/WOOD STRUCTURAL F ORDINARY REINFORCED MASONRY SHEAR	ANELS KX=Ry=6.5 Rx=Ry=2.0	Cdx=Cdy=4.0 Cdx=Cdy=1.75	
SEISMIC BASE SHEARS EQUIVALENT LATERAL FORCE PROCEDURE	Vx = 12.8K	Vy = 12.8K	ADHESIVE AND MECHANICAL POST-INSTALLED ANCHORS
. FUTURE LOADS: UNLESS SPECIFICALLY NOTED, THERE ARE NO	PROVISIONS MADE FOR FUTUR	E FLOORS, ROOFS, OR OTHER LOADS.	 ANCHOR BOLTS, REINFORCING STEEL, THREADED RODS, STAIR HANDRAILS, AND OTHER EMBED CONCRETE WITH ADHESIVE OR MECHANICAL POST-INSTALLED ANCHOR ONLY WHERE DETAILED ENGINEER.
			2. PRE-APPROVED MANUFACTURERS ARE HILTI, SIMPSON STRONG-TIE, AND DEWALT. WHERE DETA POST-INSTALLED ANCHORS, IT IS ACCEPTABLE AT THE CONTRACTOR'S OPTION TO SUBMIT AN A
			DIFFERENT MANUFACTURER AS LONG AS THE MANUFACTURER'S DATA PROVIDES EQUIVALENT LC 3. MANUFACTURER'S DATA FOR ALL ADHESIVE AND MECHANICAL POST-INSTALLED ANCHORS SHAL PRIOR TO INSTALLATION, SUBMITTALS FOR ADHESIVE ANCHOR PRODUCTS SHALL INCLUDE TO C
1. FOUNDATION DESIGN IS BASED ON A PRESUM PRESUMPTIVE BEARING PRESSURE MUST BE FO	FILVE ALLOWABLE SOIL BEARI ELD VERIFIED BY A GEOTECHN ATIONS THAN THOSE SHOWN	NG PRESSURE OF 2,000 PSF, ACCORDING TO IBC TABLE 1806.2. THIS ICAL ENGINEER PRIOR TO FOUNDATION CONCRETE PLACEMENT. ON THE DRAWINGS IF REQUIRED BY THE GEOTECHNICAL ENCINEER OF	MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS. HEED ALL LABEL WARN: SAFETY LAWS.
TESTING LAB TO REACH SOIL CAPABLE OF PRO 3. THE SUBGRADE AND UNDERFLOOR FILL SHALL	DVIDING THE DESIGN ALLOWAE BE PREPARED TO A POINT THA	SLE SOIL BEARING PRESSURE. T EXTENDS 3'-0" MINIMUM BEYOND THE LIMITS OF THE FOUNDATION.	4. ALL HOLES SHALL BE DRILLED WITH A DIAMETER NO LARGER THAN 1/8" GREATER THAN THE DI 5. ALL HOLES SHALL BE CLEANED WITH COMPRESSED AIR AND SHALL BE DRY PRIOR TO INSTALLA
4. UTILITY LINES SHALL NOT BE PLACED THROUG SUBMIT DETAILED DRAWINGS OF ALL SUCH CO	GH OR BELOW FOUNDATIONS W	TTHOUT APPROVAL OF THE STRUCTURAL ENGINEER. CONTRACTOR SHALL JCTION.	DELETERIOUS MATERIAL SUCH AS LAITANCE, DUST, DIRT, AND OIL. 6. CONTRACTOR PERFORMING ADHESIVE WORK SHALL BE AN APPROVED CONTRACTOR BY THE MAI
			AND SHALL HAVE NO LESS THAN FIVE YEARS EXPERIENCE IN THE VARIOUS TYPES OF ADHESIVE CERTIFICATION FROM THE MANUFACTURER ATTESTING TO THE TRAINING SHALL BE SUBMITTED
ICRETE / REINFORCING STEEL			 WHERE ADHESIVE ANCHORS ARE TO BE INSTALLED IN HOLLOW MATERIAL WITH UNKNOWN CAPA IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
1. CONCRETE COMPRESSIVE STRENGTH IN 28 DA SLAB ON GRADE, FOOTINGS, GRADE BEAMS	YS: 3,000 PSI, NORMAL V	/EIGHT	8. THE ADHESIVE SHALL BE INSTALLED IN THE HOLLOW BASE MATERIAL USING SCREEN TUBES SU BE CAPABLE OF SUSTAINING MINIMUM TENSION AND SHEAR LOAD CAPACITIES NOTED ON THE
2. REINFORCING: TYPICAL - ASTM A615, GRADE 60			ALL HARDWARE AND MATERIAL SHALL BE SUPPLIED BY THE ANCHOR MANUFACTURER. 9. THE ULTIMATE TENSION AND SHEAR CAPACITIES SHALL BE DETERMINED BY A JOB SITE TEST PE
REINFORCING TO BE WELDED - ASTM A706 DEFORMED BAR ANCHORS - ASTM A 496			WHICH ARE REPRESENTATIVE OF THE ACTUAL INSTALLATIONS. TESTING SHALL BE PERFORMED APPROVED REPRESENTATIVE AND SHALL BE DOCUMENTED FOR THE DESIGN PROFESSIONAL.
WELDED WIRE FABRIC - ASTM A1064 (FLAT SH 3. REFER TO THE DRAWINGS FOR REINFORCING	IEETS ONLY) LAP REQUIREMENTS. WHERE LA M	AP SPLICES ARE NOT SHOWN, LAP PER ACI 318 OR CRSI STANDARDS.	DEMOLITION
5. CLEAR COVER FROM FACE OF CONCRETE: CAST IN PLACE CONCRETE (MFASURE TO OUT	ERMOST REINFORCING) -		1. THE CONTRACTOR SHALL NOTIFY ALL LOCAL AGENCIES HAVING JURISDICTION, AND SHALL OBT
CONCRETE CAST AGAINST AND EXPOSED TO E CONCRETE EXPOSED TO EARTH/WEATHER	ARTH 3" 2" FOR #6 BARS AND	LARGER	DEMOLITION AND REMOVAL OF THE DEBRIS RESULTING FROM THE DEMOLITION. 2. CONTRACTOR SHALL RETAIN, AT THEIR EXPENSE, A REGISTERED PROFESSIONAL ENGINEER LICE
CONCRETE NOT EXPOSED TO EARTH/WEATHER	1 1/2" ELSE 3/4" FOR SLABS AND	WALLS	LOCATED, TO DETERMINE ALL CONSTRUCTION PHASE SHORING REQUIREMENTS. CONTRACTOR S RECORD, SIGNED AND SEALED DRAWINGS, OUTLINING OPERATIONAL SEQUENCES, SHORING CO
5. PROVIDE REINFORCING IN SLABS ON GRADE,	1 1/2" FOR BEAMS AN 1-1/2" FROM TOP OF SLAB:	ID COLUMNS (TO TIES)	PROTECTION OF STRUCTURES TO REMAIN AND NEIGHBORING STRUCTURES. 3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION AND STABILITY OF EXISTIN 4. BEFORE LINDERTAKING ANY DEMOLITION WORK OF OPDEDING MATERIAL ASCEPTANCES UPVE
4 SLADS 7. WHERE SCHEDULED BARS ARE NOT PRESENT, OF THE STIRRID SDACTNG IN ALL PEAMS	oxo-w2.1xw2.1 PROVIDE CONTINUOUS #5 TOF	AND BOTTOM BARS TO SUPPORT STIRRUPS AS REQUIRED FOR THE LENGTH	BUILDINGS ADJOINING OR IN CLOSE PROXIMITY TO THE PREMISES. THE ARCHITECT SHALL BE N 5. PROVIDE AND MAINTAIN BRACING AND SHORING AS NEEDED KEEP SUPPORTING STRUCTURE IN
8. WALL FOOTING REINFORCING SHALL BE CONT 9. FOR SLABS ON GRADE, SLAB AND FOOTING PE	INUOUS THROUGH ADJACENT (INFORCING SHALL BE HELD IN	COLUMN FOOTINGS. PLACE BY BAR SUPPORTS WITH SAND PLATES, OR PRECAST CONCRETE BAP	STRUCTURE IS COMPLETED. 6. STORE AND PROTECT ALL MATERIAL TO BE REMOVED AND REUSED.

SUPPORTS AS DESCRIBED IN CHAPTER 3 OF THE CRSI MANUAL OF STANDARD PRACTICE. BAR SUPPORTS SHALL BE SPACED AT A MAXIMUM OF 4'-0"OC BOTH WAYS. ROCKS, CMU, OR CLAY BRICK WILL NOT BE USED AS SUPPORTS. 10. REBAR SHALL NOT BE HEATED WITH A TORCH IN THE FIELD.

11. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER FAR ENOUGH IN ADVANCE (48 HOURS) OF EACH CONCRETE POUR TO ALLOW AMPLE TIME TO CHECK THE LAYOUT OF THE STEEL BEFORE THE BEGINNING OF THE ACTUAL POUR, BUT NOT PRIOR TO 90% OF THE STEEL HAVING BEEN PLACED.

CONCRETE CONSTRUCTION JOINTS

1. CONTRACTOR SHALL PROVIDE NECESSARY CONSTRUCTION JOINTS IN MONOLITHIC CONCRETE POURS SO THAT THE QUALITY OF PLACEMENT AND FINISH MEETS THE REQUIREMENTS OF PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT A PLAN SHOWING THE LOCATION OF ALL

CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL. 2. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS. ALL VERTICAL CONSTRUCTION JOINTS IN SLABS AND BEAMS SHALL BE MADE WITH BULKHEADS. ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE AS SPECIFIED BY THE STRUCTURAL ENGINEER. SEE TYPICAL CONSTRUCTION JOINT DETAILS.

LUMBER	AND IT	S FASTENINGS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, LATEST EDITION, BY THE
rican fo	OREST A	AND PAPER ASSOCIATION.
LUMBER	SHALL	BE OF THE FOLLOWING PROPERTIES UNLESS OTHERWISE NOTED (OR EQUIVALENT GRADE OF ANOTHER SPECIES):
STRUCTL	JRAL LU	JMBER (SPRUCE-PINE-FIR NO. 2) - CONTRACTOR NOTE: SPF (SOUTH) IS NOT ACCEPTABLE
	Fb	1,313 PSI
	Fc	1,323 PSI (PARALLEL TO GRAIN)
	Fb	1,138 PSI
	Fc	1,265 PSI (PARALLEL TO GRAIN)
	Fb	1,050 PSI
	Fc	1,208 PSI (PARALLEL TO GRAIN)
)	Fb	963 PSI

WOOD BEARING ON CONCRETE, MASONRY, OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED SOUTHERN PINE. ALL ENGINEERED LUMBER RING ON CONCRETE, MASONRY, OR EXPOSED TO WEATHER SHALL BE CHEMICALLY TREATED OR WOLMANIZED TO MEET AWPA USE CATEGORY 3 OR 4. . SILL PLATES SHALL BE ANCHORED TO CONCRETE OR MASONRY WITH A MINIMUM ½" DIAMETER ANCHOR BOLT (6" MIN EMBED) @48" OC , UNO. RUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, DUCTWORK, ETC., UNLESS SPECIFICALLY NOTED OR DETAILED. LES FOR BOLTS SHALL BE BORED 1/32" TO 1/16" LARGER THAN THE NOMINAL BOLT DIAMETER.

NDARD WOOD CONNECTORS MUST BE PROVIDED BY THE GENERAL CONTRACTOR FOR WOOD FRAMED MEMBERS. INTERIOR FRAMING CONNECTORS T BE G90 GALVANIZED ZINC CONNECTORS. EXTERIOR FRAMING CONNECTORS MUST BE G185 GALVANIZED ZINC COATING, MINIMUM.

SHEATHING SHALL BE PLYWOOD OR OSB. ALL PLYWOOD SHEATHING, DIAPHRAGMS, AND SHEAR WALL PANELS SHALL CONFORM TO U.S. PRODUCT NDARD PS-1-07 WITH EXTERIOR GLUE. ALL OSB SHEATHING, DIAPHRAGMS, AND SHEAR WALL PANELS SHALL CONFORM TO U.S. PRODUCT NDARD PS-2-04.

ATHING SHEETS SHALL BE LAID WITH LONG DIMENSION PERPENDICULAR TO THE SUPPORTING FRAMING. SHEAR WALL SCHEDULE FOR SHEATHING FASTENING REQUIREMENTS AT SHEAR WALL.

SHEATHING SHALL BE 7/16" EXTERIOR GRADE (SPAN RATING 24/16), UNO IN SHEAR WALL SCHEDULE. ALL WALL SHEATHING EXCEPT AT SHEAR LS SHALL BE FASTENED WITH 8d NAILS @6"OC AT ALL EDGES AND 8d NAILS @12"OC IN PANEL FIELD. PROVIDE 2x4 BLOCKING AT ALL PANEL GES IN SHEAR WALL. SHEAR WALL NAILING PATTERNS SHALL BE AS INDICATED IN SHEAR WALL SCHEDULE. OD ROOF SHEATHING SHALL BE 19/32" EXTERIOR GRADE (SPAN RATING 40/20) AND SHALL BE FASTENED WITH 8d NAILS @6"OC AT ALL EDGES AND NAILS @12"OC IN PANEL FIELD. PROVIDE 2x4 BLOCKING OR CLIPS AT MIDSPAN AND AT ALL PANEL EDGES.

CATED WOOD TRUSSES

ABRICATED ROOF TRUSS MANUFACTURER SHALL SUBMIT CALCULATIONS AND TRUSS LAYOUT OR FRAMING PLAN TO SECURE APPROVALS FROM CHITECT AND BUILDING DEPARTMENT PRIOR TO ERECTION. LUMBER AND ITS FASTENINGS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, LATEST EDITION, BY THE ERICAN FOREST AND PAPER ASSOCIATION. CONFORM TO APPLICABLE PROVISIONS OF TPI DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED

OD TRUSSES (LATEST EDITION). SIGN SHALL CONSIDER LOADS INDICATED AS WELL AS ALL MECHANICAL EQUIPMENT AND CEILING SOFFIT CONSTRUCTION SHOWN ON THE

SS SUPPLIER SHALL CALCULATE UPLIFT LOADS BASED ON THE WIND LOAD CRITERIA LISTED IN THESE GENERAL NOTES. AT A MINIMUM THE NET ID UPLIFT LOAD SHALL BE 20 PSF. SS CHORDS AND WEBS SHALL BE DOUGLAS FIR OR SOUTHERN PINE, PS 20, GRADED TO NFPA RULES:

VIMUM GRADE OF WEB MEMBERS - NO. 3 TRUSSES SHALL BE DESIGNED FOR THE ACTUAL DEAD LOAD PLUS LIVE LOAD (SPECIFIED ABOVE), MAXIMUM DEFLECTION DUE TO LIVE LOAD ONLY ALL NOT EXCEED L/360. MAXIMUM DEFLECTION DUE TO TOTAL LOAD SHALL NOT EXCEED L/240. ROOF SLOPE SHALL BE 1/4" PER FOOT OR GREATER ER LONG TERM DEFLECTION OCCURS. 3MIT SHOP DRAWINGS FOR ALL TRUSSES. SHOP DRAWINGS SHALL INDICATE PLACING OF ALL FRAMING MEMBERS SHOWING TYPE, SIZE, NUMBER,

ATION AND SPACING. THEY SHALL ALSO INDICATE SUPPLEMENTAL BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR DPER INSTALLATION. SHOP DRAWINGS SUBMITTED MUST BE PREPARED UNDER THE SUPERVISION OF AND SEALED BY A REGISTERED PROFESSIONAL INEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. JSS MANUFACTURER SHALL PROVIDE A TRUSS LAYOUT PLAN INDICATING ALL TRUSSES WITH PIECE MARKS AND DIMENSIONS. THIS DRAWING SHALL EALED BY THE TRUSS ENGINEER. THEIR SEAL SHALL ONLY ATTEST TO THE PERFORMANCE OF THE TRUSSES, THEIR CONNECTIONS TO ONE THER (GIRDER TRUSSES, MULTI-PLY, PIGGY-BACK, VALLEY, ETC) AND THAT ALL NOTED DESIGN LOADS HAVE BEEN ACCOUNTED FOR IN THE

SIGN OF THE TRUSSES. IT IS NOT THE INTENT THAT THE TRUSS ENGINEER BE RESPONSIBLE FOR LOAD PATH BELOW THE BEARING ELEVATION ESS CHANGES TO THE TRUSS LAYOUT ARE MADE RELATIVE TO THE CONTRACT DOCUMENTS. _ TRUSSES AND CONNECTIONS SHALL BE DESIGNED BY THE SUPPLIER'S ENGINEER. SUBMIT CALCULATIONS FOR ALL TRUSSES AND THEIR NECTIONS. CALCULATIONS SHALL INCLUDE ALL DESIGN LOADS, MAXIMUM AXIAL TENSION AND COMPRESSION IN TRUSS MEMBERS, CALCULATED (IMUM DEFLECTIONS AND SPAN-TO-DEFLECTION RATIOS FOR LIVE AND TOTAL LOADS, AND REACTION FORCES AND DIRECTIONS, INCLUDING (IMUM UPLIFT REACTION FORCES.

TRUSSES SHALL BE BRACED TO PREVENT ROTATION AND PROVIDE LATERAL STABILITY. SHOP DRAWINGS SHALL INDICATE ALL LATERAL BRIDGING UIRED WHICH SHALL BE SUPPLIED BY THE CONTRACTOR. JSS SHOP DRAWINGS SHALL INCLUDE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT REQUIREMENTS CLEARLY NOTED ON THE LAYOUT

BLE ENDWALL TRUSSES SHALL BE DESIGNED FOR THE COMPONENTS AND CLADDING LOADS OF 20 PSF. DEFLECTION OF THE VERTICAL SUPPORT 1BERS SHALL BE LESS THAN L/360. SUPPLY BRACING AS REQUIRED FOR LOADS AND DEFLECTION. SEALED CALCULATIONS SHALL BE PROVIDED BY TRUSS ENGINEER FOR ALL GABLE ENDWALL TRUSSES. BRACING MATERIAL SHALL BE A MINIMUM 2x4 SPRUCE PINE FIR NO 2 OR BETTER ANCHORED WITH AT LEAST (2) 16d NAILS AT EACH TRUSS. ERMANENT TRUSS RESTRAINT/BRACING FOR TOP, BOTTOM AND WEB MEMBERS ARE NOT DETAILED ON THE TRUSS LAYOUT DRAWINGS, THEN CING SHALL BE IN ACCORDANCE WITH BCSI-B3 OR BCSI-B7 FOR PARALLEL CHORD TRUSSES.

AND MECHANICAL POST-INSTALLED ANCHORS

HOR BOLTS, REINFORCING STEEL, THREADED RODS, STAIR HANDRAILS, AND OTHER EMBEDDED STEEL ITEMS SHALL BE SET INTO HARDENED CRETE WITH ADHESIVE OR MECHANICAL POST-INSTALLED ANCHOR ONLY WHERE DETAILED ON THE DRAWINGS OR WHERE APPROVED BY THE

-APPROVED MANUFACTURERS ARE HILTI, SIMPSON STRONG-TIE, AND DEWALT. WHERE DETAILS INDICATE SPECIFIC ADHESIVE OR MECHANICAL F-INSTALLED ANCHORS, IT IS ACCEPTABLE AT THE CONTRACTOR'S OPTION TO SUBMIT AN ALTERNATE SIMILAR PRODUCT PROVIDED BY A ERENT MANUFACTURER AS LONG AS THE MANUFACTURER'S DATA PROVIDES EQUIVALENT LOAD CAPACITY TO THE ANCHOR SPECIFIED. UFACTURER'S DATA FOR ALL ADHESIVE AND MECHANICAL POST-INSTALLED ANCHORS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL OR TO INSTALLATION. SUBMITTALS FOR ADHESIVE ANCHOR PRODUCTS SHALL INCLUDE ICC-ES EVALUATION REPORTS. STRICTLY FOLLOW THE UFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS. HEED ALL LABEL WARNINGS. INSTALL IN ACCORDANCE WITH APPLICABLE

. HOLES SHALL BE DRILLED WITH A DIAMETER NO LARGER THAN 1/8" GREATER THAN THE DIAMETER OF THE STEEL MEMBER BEING INSTALLED. HOLES SHALL BE CLEANED WITH COMPRESSED AIR AND SHALL BE DRY PRIOR TO INSTALLATION OF ADHESIVE. HOLES SHALL BE FREE OF ALL ETERIOUS MATERIAL SUCH AS LAITANCE, DUST, DIRT, AND OIL. TRACTOR PERFORMING ADHESIVE WORK SHALL BE AN APPROVED CONTRACTOR BY THE MANUFACTURER FURNISHING THE ADHESIVE MATERIALS, SHALL HAVE NO LESS THAN FIVE YEARS EXPERIENCE IN THE VARIOUS TYPES OF ADHESIVE RELATED WORK REQUIRED IN THIS PROJECT. A FIFICATION FROM THE MANUFACTURER ATTESTING TO THE TRAINING SHALL BE SUBMITTED TO THE ENGINEER/ARCHITECT ALONG WITH THE

POSAL TO DO THE WORK. ERE ADHESIVE ANCHORS ARE TO BE INSTALLED IN HOLLOW MATERIAL WITH UNKNOWN CAPACITY, THE CONTRACTOR SHALL INSTALL THE ANCHOR TRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ADHESIVE SHALL BE INSTALLED IN THE HOLLOW BASE MATERIAL USING SCREEN TUBES SUPPLIED BY THE MANUFACTURER. THE ADHESIVE SHALL APABLE OF SUSTAINING MINIMUM TENSION AND SHEAR LOAD CAPACITIES NOTED ON THE DRAWINGS MULTIPLIED BY A FACTOR OF SAFETY OF 4. HARDWARE AND MATERIAL SHALL BE SUPPLIED BY THE ANCHOR MANUFACTURER. ULTIMATE TENSION AND SHEAR CAPACITIES SHALL BE DETERMINED BY A JOB SITE TEST PERFORMED ON A MINIMUM OF FIVE INSTALLED SAMPLES ICH ARE REPRESENTATIVE OF THE ACTUAL INSTALLATIONS. TESTING SHALL BE PERFORMED BY THE ADHESIVE ANCHOR MANUFACTURER OR HIS ROVED REPRESENTATIVE AND SHALL BE DOCUMENTED FOR THE DESIGN PROFESSIONAL.

CONTRACTOR SHALL NOTIFY ALL LOCAL AGENCIES HAVING JURISDICTION, AND SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED FOR THE 10LITION AND REMOVAL OF THE DEBRIS RESULTING FROM THE DEMOLITION.

TRACTOR SHALL RETAIN, AT THEIR EXPENSE, A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS ATED, TO DETERMINE ALL CONSTRUCTION PHASE SHORING REQUIREMENTS. CONTRACTOR SHALL SUBMIT TO THE OWNER AND THE ENGINEER OF ORD, SIGNED AND SEALED DRAWINGS, OUTLINING OPERATIONAL SEQUENCES, SHORING CONCEPTUAL PLANS, METHODS USED FOR THE FECTION OF STRUCTURES TO REMAIN AND NEIGHBORING STRUCTURES. TRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION AND STABILITY OF EXISTING AND NEW STRUCTURES DURING CONSTRUCTION. DRE UNDERTAKING ANY DEMOLITION WORK OR ORDERING MATERIAL, ASCERTAIN BY SURVEY THE EXISTING CONDITIONS OF THE PROPERTIES AND DINGS ADJOINING OR IN CLOSE PROXIMITY TO THE PREMISES. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY.

VIDE AND MAINTAIN BRACING AND SHORING AS NEEDED. KEEP SUPPORTING STRUCTURE IN PLACE DURING NEW CONSTRUCTION AND UNTIL NEW UCTURE IS COMPLETED. RE AND PROTECT ALL MATERIAL TO BE REMOVED AND REUSED. 7. IF SAFETY OR INTEGRITY OF STRUCTURAL SYSTEM APPEARS TO BE COMPROMISED, CEASE OPERATIONS IMMEDIATELY AND NOTIFY THE OWNER AND THE ENGINEER. PROPERLY BRACE AND SUPPORT STRUCTURE BEFORE RESUMING OPERATIONS.

8. ANY DAMAGE OCCURRING TO THE EXISTING STRUCTURE, ADJACENT STRUCTURES, STREETS, SIDEWALKS, UTILITY LINES OR ANY OTHER PUBLIC OR PRIVATE PROPERTIES, SHALL BE REINSTALLED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO COST TO THE OWNER OR THE ENGINEER. 9. ALL OPENINGS IN EXISTING CONSTRUCTION SHALL BE SAW CUT OR DRILLED.

REPRODUCTION

1. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREIN AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HERE ON.

ABBREVIATION L	<u>IST</u>
@ 8.	
Ø	DIAMETER
AB ACI	ANCHOR BOLTS AMERICAN CONCRETE INSTITUTE
ADDL ADH	
AFF	ABOVE FINISHED FLOOR
AISC AISI	AMERICAN INSTITUTE OF STEEL CONSTRUCTION AMERICAN IRON AND STEEL INSTITUTE
ALT ARCH	ALTERNATE ARCHITECT'S / ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
B/ or BOT	BOTTOM
BCX BFF	BOTTOM CHORD EXTENSION BELOW FINISHED FLOOR
BLDG BM	BUILDING BEA,
BOS	BOTTOM OF STEEL
BTWN	BETWEEN
CAN I CJ	CANTILEVER CONTROL JOINT
CL CLR	CENTERLINE CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONN CONST JT	CONNECTION CONSTRUCTION JOINT
CONT CONTR	CONTINUOUS CONTRACTOR
COORD	
d	NAILS (PENNY)
DEFL	DEFORMED BAR ANCHOR DEFLECTION
DEPR DET	DEPRESSION / DEPRESSED DETAIL
DIAG	
DIST	DISTANCE
DWG(S) DWL(S)	DKAWING(S) DOWEL(S)
EA EE	EACH EACH END
EF F1	EACH FACE EXPANSION JOINT
ELEV	
ENGR	EMBEDDED / EMBEDMENT ENGINEER
EOD EOS	EDGE OF DECK EDGE OF SLAB
EQ	EQUAL
EW	EACH WAY
EXIST	EXISTING EXPANSION
EXT FDN	EXTERIOR FOUNDATION
FFE FOM	FINISHED FLOOR ELEVATION FACE OF MASONRY
FOW	FACE OF WALL
FTG	FOOTING
GALV	GALVANIZED
HD HI	HEADED HIGH
HORIZ HSS	HORIZONTAL HOLLOW STRUCTURAL SECTION
INT JT	INTERIOR JOINT
K	KIP(S)
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
LLH LLV	LONG LEG HORIZONTAL LONG LEG VERTICAL
LO LOC	LOW LOCATION
LSH LSV	LONG SIDE HORIZONTAL LONG SIDE VERTICAL
LWC	LIGHT WEIGHT CONCRETE
MC	MOMENT CONNECTION
MECH MFR	MANUFACTURER
MID MIN	MIDDLE MINIMUM
MISC	MISCELLANEOUS MIDDLE OF WALL
MP No or #	MASONRY PILASTER
NS N	IEAR SIDE
NWC	NORMAL WEIGHT CONCRETE
OPNG	OPENING
OPP PAF	OPPOSITE HAND POWDER ACTUATED FASTENER
PED PL	PEDESTAL PLATE
PSF PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH
PT P_T	PRESSURE TREATED
REF	REFERENCE
REQD	REQUIRED
SB SCHD	SHORT BAR SCHEDULE
SIM SOG	SIMILAR SLAB ON GRADE
SPEC(S)	SPECIFICATION(S)
STD	STANDARD
STIRR	STIRRUP(S)
STR	STEL STRUCTURAL
I/ TCX	TOP CHORD EXTENSION
TOC TOF	TOP CHORD CONCRETE TOP OF FOOTING
TOS TOW	TOP OF STEEL TOP OF WALL
TYP	TYPICAL
VERT	
VIF W/ V	VERIFT IN FIELD
ww⊦ WP	WELDED WIKE FABRIC WORK POINT

CLR CML COL CONC CONN CONST J CONT

COORD

CTRD

FΑ

ELEV

EW

EXP

B/ or BOT BCX

Statement of Special Inspections

Statement Date: March 16, 2018

Project Name: Newberry Airport New Terminal Renovation and Expansion Building Permit Number:

Project Address: Design Professional in Responsible Charge (DPIRC):

The following information is being submitted in accordance with the Special Inspection provisions of the 2015 International Building Code. Attached is the <u>Schedule of Special Inspections</u> (SSI) required for this project. This completed form is required to be placed on the drawings for plan review. After permit issuance, a listing of the Special Inspection Firms (SIF) and the Designated Special Inspectors (DSI) for each inspection type will be attached to this form prior to scheduling the Pre-Construction Meeting with the governing authority. No work is permitted to be performed prior to the Special Inspections Pre-Construction Meeting.

The DSI is responsible for verifying all information on each document prior to signing/sealing

The DSI is responsible for verifying each document is the correct document The DSI is responsible for correcting any documents that contain errors

The DSI is responsible for verifying all ASIs maintain current certifications during the course of the project, as failure to maintain current certifications may result in a voided document. At the conclusion of each individual Special Inspection type, the DSI will complete a Final Report

The Special Inspection program outlined herein, does not relieve the Contractor or any other entity of any contractual duties, including quality control, quality assurance, or safety. The Contractor is solely responsible for construction means, methods, and job site safety. Failure to adhere to the SI program as outlined herein may result in a stop work notice being issued by the Department.

Respectfully submitted, The Design Professional in Responsible Charge,

the R Han

Signature

Licensed Professional Seal

Check if equired	Inspection Task	С	Р	Standard	Notes / Comments	
	Spray applied fire-resistant materials			1705.14	Inspect surface conditions, application, thickness, density, and bond strength in accordance with 1704.12	
	Mastic and intumescent fire resistive coatings			1705.15		
-15 EXTI	RIOR INSULATION AND FINISH SYSTEM (EIFS	5)				
Check if equired	Inspection Task	С	Р	Standard	Notes / Comments	
	EIFS			1705.16		
16 SEIS	MIC RESISTANCE					
heck if equired	Inspection Task	С	Р	Standard	Notes / Comments	
\boxtimes	A quality assurance plan with seismic requirements shall be provided in accordance with Section 1704.		\boxtimes	1705.12		
-17 SMO	KE CONTROL					
check if equired	Inspection Task	С	Р	Standard	Notes / Comments	
	Inspection of smoke control system			1705.18		
-18 WOC	DD					
heck if equired	Inspection Task	С	Р	Standard	Notes / Comments	
\boxtimes	Inspection of fabricators to be in accordance with the requirements set forth in IBC Section 1704.2.5		×	1704.2.5		
\boxtimes	Temp & permanent bracing on metal-plate- connected trusses spanning >60'		×	1705.5.2		
×	High load diaphragms and shear walls		\boxtimes	1705.5.1, 2306.2 1704.2	Inspect grade and thickness of structural sheathing. Verify nomina size of framing members the nail diameter and length, the number of	

Check if	Inspection Task	С	Р	Standard	Notes / Comments
	Spray applied fire-resistant materials			1705.14	Inspect surface conditions, application,
	Mastic and intumescent fire resistive coatings			1705.15	thickness, density, and bond strength in accordance with 1704.12
-15 EXTI	ERIOR INSULATION AND FINISH SYSTEM (EIFS)			
Check if required	Inspection Task	С	Р	Standard	Notes / Comments
	EIFS			1705.16	
-16 SEIS	MIC RESISTANCE				
Check if required	Inspection Task	С	Р	Standard	Notes / Comments
\boxtimes	A quality assurance plan with seismic requirements shall be provided in accordance with Section 1704.		X	1705.12	
-17 SMO	KE CONTROL				
Check if equired	Inspection Task	С	Р	Standard	Notes / Comments
	Inspection of smoke control system			1705.18	
-18 WOO)D				
Check if equired	Inspection Task	С	Р	Standard	Notes / Comments
\boxtimes	Inspection of fabricators to be in accordance with the requirements set forth in IBC Section 1704.2.5		X	1704.2.5	
\boxtimes	Temp & permanent bracing on metal-plate- connected trusses spanning >60'		X	1705.5.2	
	High load diaphragms and shear walls		X	1705.5.1, 2306.2 1704.2	Inspect grade and thickness of structural sheathing. Verify nomina size of framing members the nail diameter and length, the number of

conformance with contract

documents

Check if required	Inspection Task	C	Р	Standard	Notes / Comments	
	Spray applied fire-resistant materials			1705.14	Inspect surface conditions, application,	
	Mastic and intumescent fire resistive coatings			1705.15	 thickness, density, and bond strength in accordance with 1704.12 	
T-15 EXT	RIOR INSULATION AND FINISH SYSTEM (EIFS	5)				
Check if required	Inspection Task	С	Р	Standard	Notes / Comments	
	EIFS			1705.16		
T-16 SEIS	MIC RESISTANCE					
Check if required	Inspection Task	С	Р	Standard	Notes / Comments	
\boxtimes	A quality assurance plan with seismic requirements shall be provided in accordance with Section 1704.		X	1705.12		
T-17 SMO	KE CONTROL					
Check if required	Inspection Task	С	Ρ	Standard	Notes / Comments	
	Inspection of smoke control system			1705.18		
T-18 WOC	D					
Check if required	Inspection Task	С	Р	Standard	Notes / Comments	
\boxtimes	Inspection of fabricators to be in accordance with the requirements set forth in IBC Section 1704.2.5		X	1704.2.5		
\boxtimes	Temp & permanent bracing on metal-plate- connected trusses spanning >60'		×	1705.5.2		
High load diaphragms and shear walls			\boxtimes	1705.5.1, 2306.2 1704.2	Inspect grade and thickness of structural sheathing. Verify nominal size of framing members, the nail diameter and length, the number of fastener lines, spacing, and	

Check if required	Inspection Task	С	Р	Standard	Notes / Comments
	Spray applied fire-resistant materials Mastic and intumescent fire resistive coatings			1705.14	Inspect surface conditions, application,
				1705.15	thickness, density, and bond strength in accordance with 1704.12
Г-15 EXTE	RIOR INSULATION AND FINISH SYSTEM (EIFS	5)			
Check if required	Inspection Task	С	Р	Standard	Notes / Comments
	EIFS			1705.16	
T-16 SEIS	MIC RESISTANCE				
Check if required	Inspection Task	С	Р	Standard	Notes / Comments
\boxtimes	A quality assurance plan with seismic requirements shall be provided in accordance with Section 1704.			1705.12	
Г-17 SMO	KE CONTROL		•		
Check if required	Inspection Task	С	Р	Standard	Notes / Comments
	Inspection of smoke control system			1705.18	
T-18 WOC	D				
Check if required	Inspection Task	С	Р	Standard	Notes / Comments
\boxtimes	Inspection of fabricators to be in accordance with the requirements set forth in IBC Section 1704.2.5		×	1704.2.5	
\boxtimes	Temp & permanent bracing on metal-plate- connected trusses spanning >60'			1705.5.2	
High load diaphragms and shear walls				1705.5.1, 2306.2 1704.2	Inspect grade and thickness of structural sheathing. Verify nomina size of framing members the nail diameter and length, the number of fastener lines, spacing, a

Instructions for completing the Schedule of Special Inspections Form

1. Indicate the Inspection Type (IT-#) required for this project per IBC Section 1704. 2. Indicate whether Special Inspections are Continuous (C), Periodic (P) or both, by checking the appropriate box. 3. Insure the scope meets IBC Section 1704 and other applicable standards for each Inspection Type.

The following Special Inspections are required for the project: (C-continuous, P=periodic)

IT-1 VERIFICATION OF SOILS (Refer to IBC Table 1705.6)

Check if required	Inspection Task	С	Ρ	Standard	Notes / Comments
\boxtimes	Verify materials below shallow foundation are adequate to achieve the design bearing capacity		X	Table 1705.6, #1	
\boxtimes	Perform classification and testing of compacted fill materials		X	Table 1705.6, #3	

IT-2 EXCAVATION AND FILL (Refer to IBC Table 1705.6)

Check if required	Inspection Task	С	Ρ	Standard	Notes / Comments
\boxtimes	Verify excavations are extended to proper depth and have reached proper material		X	Table 1705.6, #2	
\boxtimes	Verify use of proper materials, densities and lift thickness during placement and compaction of compacted rill	X		Table 1705.6, #4	
\boxtimes	Prior to placement of compacted fill, observe sub-grade and verify that site has been prepared properly		\boxtimes	Table 1705.6, #5	

IT_5 DEINEODCED CONCRETE (Defer to IPC Table 1705 2)

IT-5 REINF	ORCED CONCRETE (Refer to IBC Table 1705.3)				
Check if required	Inspection Task	С	Ρ	Standard	Notes / Comments
×	Inspection of reinforcing steel, including pre- stressing tendons and placement		X	ACI 318: Ch.20, 25.2, 25.3, 26.6.1-26.6.3; IBC 1908.4	
\boxtimes	Inspection of reinforcing steel welding in accordance with 1705.3.1 and ASTM A706			AWS D1.4; ACI 318:26.6.4	
X	Inspection of bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased or where strength design is used.			ACI 318: 17.8.2.4, 17.8.2	
\boxtimes	Inspection of anchors installed in hardened concrete		X	ACI 318: 17.8.2,	
	Verifying use of required design mix		\boxtimes	ACI 318: Ch. 19, 26.4.3, 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3	
×	At the time fresh concrete is sampled to fabricate specimens for strength test, perform slump and air content tests, and determine the temperature of the concrete			ASTM C 172; ASTM C 31; ACI 318: 26.4, 26.12; IBC 1908.10	
X	Inspection of concrete and shotcrete placement for proper application techniques			ACI 318: 26.5; IBC 1908.6, 1908.7, 1908.8	
\boxtimes	Inspection for maintenance of specified curing temperature and techniques		X	ACI 318: 26.5.3-26.5.5 IBC 1908.9	
	Inspection of prestressed concrete:a. Application of pre-stressing forces.b. Grouting of bonded pre-stressing tendons in the seismic-force-resisting system			ACI 318: 26.10	
	Erection of precast concrete members			ACI 318: 26.8	
	Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs			ACI 318: 26.11.2	
	Inspect formwork for shape, location and dimensions of the concrete members formed			ACI 318: 26.11.1.2(b)	

SEISMIC QUALITY ASSURANCE PLAN

- 1. THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF SECTION 1704 OF THE INTERNATIONAL BUILDING CODE. 2. THE SEISMIC FORCE RESISTING SYSTEM IDENTIFIED IN THESE NOTES UNDER "DESIGN CRITERIA," NOTE 5, WHICH INCLUDES THE FOLLOWING COMPONENTS: MASONRY SHEARWALLS
- ARE SUBJECT TO THIS QUALITY ASSURANCE PLAN. 3. EACH CONTRACTOR RESPONSIBLE FOR CONSTRUCTION OF THE SEISMIC-FORCE-RESISTING SYSTEM OR COMPONENTS IDENTIFIED ABOVE SHALL SUBMIT A COMPLETED "CONTRACTOR'S STATEMENT OF RESPONSIBILITY" TO THE PROJECT SPECIAL INSPECTOR, BUILDING OFFICIAL, AND THE OWNER. A COPY OF THE STATEMENT CAN BE OBTAINED FROM THE PROJECT SPECIAL INSPECTOR AND WILL CONTAIN THE FOLLOWING:
- A. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED WITHIN THE QUALITY ASSURANCE PLAN.
- APPROVED BY THE BUILDING OFFICIAL. C. PROCEDURES FOR EXERCISING THAT CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF
- REPORTING, AND THE DISTRIBUTION OF THE REPORTS. D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE
- ORGANIZATION. 4. IN ADDITION TO ALL INSPECTIONS REQUIRED BY THE PROJECT'S STATEMENT OF SPECIAL INSPECTIONS, THE FOLLOWING INSPECTIONS ARE REQUIRED TO BE PERFORMED BY THE PROJECT SPECIAL INSPECTOR OR INSPECTING AGENTS: A. CONTINUOUS SPECIAL INSPECTION OF STRUCTURAL WELDING OF COMPONENTS OF THE SEISMIC-FORCE RESISTING SYSTEM IN ACCORDANCE WITH AISC SEISMIC PROVISIONS, WITH THE EXCEPTION OF SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16" AND
- ALL ROOF AND FLOOR DECK WELDING. B. ANCHORAGE OF ELECTRICAL EQUIPMENT USED FOR EMERGENCY OR STANDBY POWER SYSTEMS. C. EQUIPMENT USING COMBUSTIBLE ENERGY SOURCES.
- D. ELECTRICAL MOTORS, TRANSFORMERS, SWITCHGEAR UNIT SUB-STATIONS AND MOTOR CONTROL CENTERS. E. RECIPROCATING AND ROTARY TYPE MACHINERY.
- F. PIPING DISTRIBUTION SYSTEMS 3 INCHES (76 mm) AND LARGER. G. TANKS, HEAT EXCHANGERS AND PRESSURE VESSELS. H. PIPING SYSTEMS AND MECHANICAL UNITS CONTAINING FLAMMABLE, COMBUSTIBLE, OR HIGHLY TOXIC MATERIALS. I. HEATING, VENTILATING AND AIR-CONDITIONING (HVAC) DUCTWORK CONTAINING HAZARDOUS MATERIALS AND ANCHORAGE OF
- SUCH DUCTWORK. 5. IN ADDITION TO ALL TESTING REQUIRED BY THE PROJECT SPECIFICATIONS THE FOLLOWING TESTING MUST BE PERFORMED: A. THE CONTRACTOR SHALL SUBMIT CERTIFICATES OF COMPLIANCE FOR ALL MATERIALS USED IN MASONRY CONSTRUCTION STATING THAT THE MATERIALS COMPLY WITH THE CONTRACT DOCUMENTS TO THE PROJECT SPECIAL INSPECTOR. B. VERIFICATION OF MASONRY COMPRESSIVE STRENGTH (f'm) PRIOR TO CONSTRUCTION USING THE UNIT STRENGTH METHOD OR PRISM TEST METHOD PER ACI 530.
- C. THE CONTRACTOR SHALL SUBMIT CERTIFIED MILL TEST REPORTS FOR EACH SHIPMENT OF REINFORCING STEEL TO BE USED IN ALL MASONRY SHEARWALLS TO THE PROJECT SPECIAL INSPECTOR.

SPECIAL INSPECTIONS REPORTING REQUIREMENTS:

- 1. EACH SPECIAL INSPECTOR TO LEAVE A WRITTEN COPY OF THEIR DAILY REPORT ON SITE, INITIALED BY THE CONTRACTOR, AND ENTERED IN THE DAILY INSPECTION LOG MAINTAINED BY THE GENERAL CONTRACTOR. ANY CORRECTIONS OR DISCREPANCIES WILL BE REVIEWED BY THE SPECIAL INSPECTOR AND THE GENERAL CONTRACTOR PRIOR TO LEAVING SITE.
- 2. EACH DAILY REPORT MUST DESCRIBE THE AREA OF THE INSPECTION, THE STRUCTURAL ITEMS INSPECTED, A BRIEF DESCRIPTION OF WHAT WAS BUILT, AND IF IT WAS IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.
- DESIGN TEAM WILL REQUIRE A SEPARATE CORRECTION NOTICE WHICH WILL BE GIVEN TO THE GENERAL CONTRACTOR AND INCLUDED IN THE MONTHLY REPORT. THIS IS TO BE A SEPARATE REPORT FROM THE DAILY REPORT. THE CORRECTION WILL BE ADDED TO THE CORRECTION LOG.
- NOTICE GIVEN TO THE GENERAL CONTRACTOR, ENGINEER OF RECORD, AND ARCHITECT OF RECORD. THIS IS TO BE A SEPARATE REPORT FROM THE DAILY REPORT. THE DISCREPANCY WILL BE ADDED TO THE DISCREPANCY LOG.
- RESOLVED THE LOG OR THE NOTICES ARE TO INDICATE HOW AND WHEN THE ITEM WAS RESOLVED. 6. A MONTHLY REPORT WILL BE PROVIDED WHICH WILL INCLUDE THE FIELD REPORTS FOR THAT MONTH, THE CORRECTIONS,
- CORRECTION LOG, DISCREPANCY, AND THE DISCREPANCY LOG. 7. BOUND MONTHLY REPORT TO BE SUBMITTED TO THE GENERAL CONTRACTOR, ENGINEER OF RECORD, ARCHITECT OF RECORD, OWNER AND BUILDING OFFICIAL WITHIN THE FIRST WEEK OF THE MONTH.
- 8. UPON COMPLETION OF THE CONSTRUCTION OF THE ITEMS SPECIFIED IN THE STATEMENT OF SPECIAL INSPECTIONS, COMPLETION OF ALL MATERIAL TESTS, AND CORRECTION OF ALL OPEN DISCREPANCIES, THE SPECIAL INSPECTOR SHALL SUBMIT A SIGNED AND SEALED FINAL STATEMENT OF SPECIAL INSPECTIONS STATING THAT THE CONSTRUCTION HAS BEEN COMPLETED AND THAT ALL DISCOVERED DISCREPANCIES HAVE BEEN RESOLVED.

REQUIRED CERTIFICATIONS FOR EACH INSPECTION TYPE THE INSPECTION.

- IT-01 VERIFICATION OF SOILS; IBC SECTIONS 1705.6 AND 1803.4 CURRENT NICET LEVEL II CERTIFICATION IN GEOTECHNICAL ENGINEERING TECHNOLOGY/CONSTRUCTION; OR
- CURRENT NICET LEVEL II SOILS CERTIFICATE IN CONSTRUCTION MATERIALS TESTING; OR CURRENT ICC SOILS SPECIAL INSPECTOR CERTIFICATE; OR LICENSED GEOLOGIST WITH ONE YEAR RELATED EXPERIENCE; OR
- ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR RELATED EXPERIENCE; OR GEOLOGIST-IN-TRAINING (GIT) WITH ONE YEAR RELATED EXPERIENCE
- IT-02 EXCAVATION AND FILLING; IBC SECTIONS 1705.6, 1803.5 CURRENT NICET LEVEL II CERTIFICATE IN GEOTECHNICAL ENGINEERING TECHNOLOGY/CONSTRUCTION; OR
- CURRENT NICET LEVEL II SOILS CERTIFICATE IN CONSTRUCTION MATERIALS TESTING; OR CURRENT ICC SOILS SPECIAL INSPECTOR CERTIFICATE; OR LICENSED GEOLOGIST WITH ONE YEAR RELATED EXPERIENCE; OR
- ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR RELATED EXPERIENCE; OR GEOLOGIST-IN-TRAINING (GIT) WITH ONE YEAR RELATED EXPERIENCE
- IT-05 REINFORCED CONCRETE; IBC SECTIONS 1705.3, 1905 CURRENT ICC REINFORCED CONCRETE SPECIAL INSPECTOR CERTIFICATE; OR
- ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR CERTIFICATE; OR • ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR RELATED EXPERIENCE
- IT-09 INSPECTION OF PRE-CAST CONCRETE FABRICATORS; IBC SECTION 1705.3 CURRENT ICC REINFORCED CONCRETE CERTIFICATE; OR PRE-CAST/PRE-STRESSED CONCRETE INSTITUTE (PCI) QUALITY CONTROL TECHNICIAN/INSPECTOR LEVEL II CERTIFICATE
- IT-10 INSPECTION OF STRUCTURAL STEEL FABRICATORS; AISC 360, 14TH ED. CURRENT AWS D1.1 CERTIFIED WELDING INSPECTOR; OR
- CURRENT CANADIAN WELDING BUREAU CERTIFIED WELDING INSPECTOR; OR CURRENT ICC STRUCTURAL STEEL AND WELDING CERTIFICATE PLUS ONE YEAR OF RELATED EXPERIENCE; OR CURRENT NDT LEVEL II (ALONG WITH IN-HOUSE LEVEL III TRAINER'S CERTIFICATE) OR LEVEL III
- IT-11 STRUCTURAL MASONRY; ACI 530/ASCE 5 CURRENT ICC STRUCTURAL MASONRY CERTIFICATE AND ONE YEAR OF RELATED EXPERIENCE; OR ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR RELATED EXPERIENCE
- IT-12 WELDING; AISC 360, 14TH ED CURRENT AWS D1.1 CERTIFIED WELDING INSPECTOR; OR CURRENT CANADIAN WELDING BUREAU CERTIFIED WELDING INSPECTOR; OR
- CURRENT ICC STRUCTURAL STEEL AND WELDING CERTIFICATE PLUS ONE YEAR OF RELATED EXPERIENCE; OR CURRENT NDT LEVEL II (ALONG WITH IN-HOUSE LEVEL III TRAINER'S CERTIFICATE) OR LEVEL III
- IT-13 HIGH-STRENGTH BOLTING AND STEEL FRAME INSPECTION; AISC 360, 14TH ED CURRENT ICC STRUCTURAL STEEL & BOLTING CERTIFICATE PLUS ONE YEAR OF RELATED EXPERIENCE; OR ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR RELATED EXPERIENCE
- IT-16 SEISMIC RESISTANCE; IBC SECTIONS 1705.10, 1705.11 PROFESSIONAL ENGINEER OR ARCHITECT REGISTERED IN THE STATE OF SOUTH CAROLINA; OR THE TYPE OF WORK BEING REVIEWED.

B. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS

3. CORRECTION ITEMS NOT CORRECTED BEFORE THE SPECIAL INSPECTOR LEAVES THE SITE BUT DO NOT REQUIRE INPUT FROM THE

4. ITEMS WHICH ARE DISCREPANCIES AND REQUIRE INPUT FROM THE DESIGN TEAM WILL REQUIRE IN A SEPARATE DISCREPANCY 5. ALL CORRECTIONS AND DISCREPANCY ITEMS ON THE LOGS WILL REMAIN ON THE LOG UNTIL RESOLVED. WHEN THE ITEMS ARE

EACH INSPECTOR PERFORMING THE INSPECTION TYPE TO SUBMIT CERTIFICATION TO THE ENGINEER OF RECORD PRIOR TO PERFORMING

ANY ASI WORKING UNDER THE DIRECT SUPERVISION OF A QUALIFIED DSI. THE DSI IS TO INSURE THE ASI IS QUALIFIED TO INSPECT

1 FIRST LEVEL DEMOLITION PLAN S-100 1/4" = 1'-0"

	7 S-60

<u> DETAIL</u>

- 2 / ALLOWABLE HOLES AND NOTCHES IN STUDS NTS
- NOTES:
- 1. HOLE SIZE IN NON-BEARING WALLS MAY BE USED FOR BEARING WALLS IF STUDS ARE DOUBLED AT THESE LOCATIONS.
- 2. NOT MORE THAN TWO ADJACENT STUDS MAY BE BORED.
- 3. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A NOTCH. SEE MINIMUM SPACING GIVEN IN DETAIL ABOVE.
- 4. HOLES AND NOTCHES ARE NOT ALLOWED IN TOP AND BOTTOM PLATES OR END POSTS OF
- SHEAR WALLS. 5. HOLES IN TOP OR BOTTOM PLATES MORE THAN 40% OF THE PLATE WIDTH REQUIRE 16GA x1 1/2" WIDE METAL TIES WITH A MINIMUM (6)16d NAILS TO EACH PLATE. 6. * NOTCHES ARE NOT ALLOWED AT EXTERIOR 2x6 WALLS.

PRE-ENGINEERED WOOD — ROOF TRUSS BY SUPPLIER INSTALL ANCHOR AT ALL — ROOF TRUSS BEARING LOCATIONS UPLIFT ANCHOR AT STUD -FRAMING, SEE SCHEDULE FOR REQUIREMENTS; AT EXTERIOR WALL, LOCATE ON

STUD UPLIFT ANCH SPRUCE PINE FIR FRAMING	OR REQUI
TRUSS REACTION	AN
LESS THAN 330 LBS	
330 LBS TO 1,100 LBS	
1,100 LBS TO 2,250 LBS	H2.
GREATER THAN 2,250 LBS	COI

DETAIL TYPICAL ROOF TRUSS CONNECTION S-602 /

NTS NOTES:

INTERIOR SIDE OF WALL

- 1. MAXIMUM WALL STUD SPACING 16"OC.
- WITH TRUSS REACTIONS. 3. TRUSS MANUFACTURER OR CONTRACTOR SHALL REQUEST FOR ADDITIONAL HOLDOWN
- TRUSSES. 4. MULTIPLE ANCHORS MAY BE USED (PER SIMPSON STRONG-TIE RECOMMENDED
- CONSTRUCTION DETAILS) TO ACHIEVE HIGHER UPLIFT VALUES.

NUMBERCONNECTION3 1/2 x0.162CEILING JOIST TO PLATE3CEILING JOISTS, LAPS OVER PARTITIONS3CEILING JOIST TO PARALLEL RAFTER3CEILING JOIST TO PARALLEL RAFTER3ROOF RAFTER TO PLATE3TOP OR SOLE PLATE TO STUD, END NAILED2STUD TO TOP OR SOLE PLATE, TOE NAILED3CAP/TOP PLATE LAPS AND INTERSECTIONS (EACH SIDE OF LAP)2DIAGONAL BRACING2SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)2DOUBLE TOP PLATE16"OCDOUBLE STUDS12"OC	MINIMUM FASTENER R	EQUIR
CONNECTION3 1/2 x0.162CEILING JOIST TO PLATE3CEILING JOISTS, LAPS OVER PARTITIONS3CEILING JOISTS, LAPS OVER PARTITIONS3CEILING JOIST TO PARALLEL RAFTER3ROOF RAFTER TO PLATE3TOP OR SOLE PLATE TO STUD, END NAILED2STUD TO TOP OR SOLE PLATE, TOE NAILED3CAP/TOP PLATE LAPS AND INTERSECTIONS (EACH SIDE OF LAP)2DIAGONAL BRACING2SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)2DOUBLE TOP PLATE16"OCDOUBLE STUDS12"OC		NUMBER
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CEILING JOIST TO PARALLEL RAFTER3ROOF RAFTER TO PLATE3TOP OR SOLE PLATE TO STUD, END NAILED2STUD TO TOP OR SOLE PLATE, TOE NAILED3CAP/TOP PLATE LAPS AND INTERSECTIONS (EACH SIDE OF LAP)2DIAGONAL BRACING2SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)2DOUBLE TOP PLATE16"OCDOUBLE STUDS12"OC	CEILING JOISTS, LAPS OVER PARTITIONS	3
ROOF RAFTER TO PLATE3TOP OR SOLE PLATE TO STUD, END NAILED2STUD TO TOP OR SOLE PLATE, TOE NAILED3CAP/TOP PLATE LAPS AND INTERSECTIONS (EACH SIDE OF LAP)2DIAGONAL BRACING2SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)2DOUBLE TOP PLATE16"OCDOUBLE STUDS12"OC	CEILING JOIST TO PARALLEL RAFTER	3
TOP OR SOLE PLATE TO STUD, END NAILED2STUD TO TOP OR SOLE PLATE, TOE NAILED3CAP/TOP PLATE LAPS AND INTERSECTIONS (EACH SIDE OF LAP)2DIAGONAL BRACING2SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)2DOUBLE TOP PLATE16"OCDOUBLE STUDS12"OC	ROOF RAFTER TO PLATE	3
TOP OR SOLE PLATE TO STUD, END NAILED2STUD TO TOP OR SOLE PLATE, TOE NAILED3CAP/TOP PLATE LAPS AND INTERSECTIONS (EACH SIDE OF LAP)2DIAGONAL BRACING2SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)2DOUBLE TOP PLATE16"OCDOUBLE STUDS12"OC		
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CAP/TOP PLATE LAPS AND INTERSECTIONS (EACH SIDE OF LAP)2DIAGONAL BRACING2SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)2DOUBLE TOP PLATE16"OCDOUBLE STUDS12"OC	STUD TO TOP OR SOLE PLATE, TOE NAILED	3
DIAGONAL BRACING2SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)2DOUBLE TOP PLATE16"OCDOUBLE STUDS12"OC	CAP/TOP PLATE LAPS AND INTERSECTIONS (EACH SIDE OF LAP)	2
SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)2DOUBLE TOP PLATE16"OCDOUBLE STUDS12"OC	DIAGONAL BRACING	2
DOUBLE TOP PLATE16"OCDOUBLE STUDS12"OC	SOLE PLATE TO JOIST OR BLOCKING AT BRACED PANELS (NUMBER PER 16" JOIST SPACE)	2
DOUBLE STUDS 12"OC	DOUBLE TOP PLATE	16"OC
	DOUBLE STUDS	12"OC
CORNER STUDS 24"OC	CORNER STUDS	24"OC

5 DETAIL S-602 / MINIMUM FASTENER REQUIREMENTS FOR FRAMING

NTS NOTES:

- SHOWN ARE A MINIMUM NOMINAL DIAMETER (IN INCHES).
- (NOMINAL 2x LUMBER).
- QUANTITY/SPACING AND FASTENER SIZE (PENNYWEIGHT AND STYLE).
- MORE STRINGENT REQUIREMENT SHALL APPLY.

UPPER TOP PLATE

SCHD FOR SIZE & SPACING

<u>3 DETAIL</u>

NTS

S-602 / TYPICAL INTERSECTION OF INTERIOR STUD WALLS

PLAN LEGEND

EXISTING CONSTRUCTION

DEMO NOTES X

- 1. DEMO EXISTING EXTERIOR CMU WALL 2. DEMO EXISTING INTERIOR WALL
- 3. DEMO EXISTING WINDOW/DOOR
- 4. REMOVE EXISTING FIXTURES/BUILT-INS
- 5. REMOVE EXISTING SECURITY GATE/FENCING. SEE CIVIL DRAWINGS
- 6. REMOVE EXISTING SIDEWALK. SEE CIVIL DRAWINGS 7. REMOVE EXISTING METAL ROOF AND ROOF FRAMING
- 8. REMOVE EXISTING PORCH ROOF AND COLUMNS
- 9. REMOVE EXISTING HVAC/ELECTRICAL EQUIPMENT

1⁄4"=1'–0"

SF SUMMARY AREA HSF AREA UHSF

EXISTING FIRST FLOOR HSF	657	
NEW FIRST FLOOR HSF	350	
TOTAL HSF	1,007	
NEW VESTIBULE UHSF		112

PLAN LEGEND NEW CONSTRUCTION

EXISTING CONSTRUCTION

11 A-101

ROOF PLAN

A-101

SF SUMMARY

930 SF

1⁄4"=1'–0"

NOTES: 1. CEILING HEIGHT TO BE 9'-0' A.F.F. U.N.O.

1<u>7/A-602</u>/

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3⁄4"=1'–0"

N SCHEDU	LE					
SIZE (WXH)	TYPE	FRAME MATERIAL	GLASS TYPE	JAMB	HEAD	SILL
3'-4 ' X5'-4 '	FIXED	ALUM.	GL-1	2/A-801, 8/A-801	1/A-801, 4/A-801, 5/A-801	3/A-801, 6/A-801, 7/A-801
3'-4 ' X4'-8 '	FIXED	ALUM.	GL-1	2/A-801, 8/A-801	1/A-801, 4/A-801, 5/A-801	3/A-801, 6/A-801, 7/A-801
3'-4"X5'-4"	CASEMENT	ALUM.	GL-1	2/A-801	1/A-801	3/A-801

२ H	FRAME MATERIAL	FRAME FINISH	JAMB DETAIL	HEAD DETAIL	THRESHOLD	FIRE RATING	COMMENTS
DER COATED	ALUM.	POWDER COATED, P-2	2/A-801	1/A-801	11/A-801	0	
	WOOD	P-1	10/A-801	9/A-801	12/A-801	0	
	WOOD	P-1	10/A-801	9/A-801	N/A	0	
	WOOD	P-1	10/A-801	9/A-801	12/A-801	0	
	WOOD	P-1	10/A-801	9/A-801	12/A-801	0	
	WOOD	P-1	10/A-801	9/A-801	12/A-801	0	

FIN	ISH LEGEND
FLOORING	G (CPT = CARPET) (PT = PORCELAIN TILE) (SDT = STATIC DISSIPATIVE TILE)
PT-1	DALTILE; MODERNIST SERIES; COLOR MD85 BERTOIA WHITE, 24"X24" PORCELAIN FLOOR TILE
CPT-1	SHAW CONTRACT GROUP; STYLE: CONTOUR 5A186; COLOR: CARBON 86585; BROADLOOM CARPET
SDT-1	ARMSTRONG; 51956 FOSSIL GRAY ELECTROSTATIC DISSIPATIVE TILE, 12'X12'
BASE (RE	= RUBBER BASE)
RB-1	FLEXCO 4' COVED RUBBER WALL BASE; COLOR TO BE 070 INGOT GRAY
M1	WOOD FLOOR BASE, PAINTED; SEE A-801 FOR PROFILE
WALL TIL	E (CWT = CERAMIC WALL TILE)
CWT-1	DALTILE; RETROSPACE SERIES; COLOR MODERN WHITE RS30 6'X6' HEXAGONAL, GLAZED CERAMIC WALL TILE
CWT-2	DALTILE; RETROSPACE SERIES; COLOR MERCURY GREY RS31 6"X6" HEXAGONAL, GLAZED CERAMIC WALL TILE
CWT-3	DALTILE; RETROSPACE SERIES; COLOR SKY BLUE RS33 6"X6" HEXAGONAL, GLAZED CERAMIC WALL TILE
PAINT (P	= PAINT) (SEE A-401 FOR STUCCO COLOR LOCATIONS)
P-1	SHERWIN WILLIAMS SW7015 REPOSE GRAY (LRV 58%)
P-2	STUCCO COLOR #1: ARCHITECT TO SELECT SHERWIN WILLIAMS COLOR FROM FULL RANGE
P-3	STUCCO COLOR #2: ARCHITECT TO SELECT SHERWIN WILLIAMS COLOR FROM FULL RANGE
P-4	STUCCO COLOR #3: ARCHITECT TO SELECT SHERWIN WILLIAMS COLOR FROM FULL RANGE
P-5	STUCCO COLOR #4: ARCHITECT TO SELECT SHERWIN WILLIAMS COLOR FROM FULL RANGE
CEILINGS	(GWB = GYPSUM WALL BOARD) (ACP = ACOUSTICAL CEILING PANEL) (BBD = BEADBOARD PANEL)
GWB-1	5/8" TYPE 'X' GYPSUM WALL BOARD; FINISH AS SCHEDULED
ACP-1	USG; MARS CLIMAPLUS; WHITE; 2'X2' LAY-IN ACOUSTICAL PANEL SYSTEM W/ DX SQUARE EDGE SUSPENSION GRID
BBD-1	4'X'8'X1/2' BEADBOARD PANEL, PAINT P-1; ORIENT PANELS AS SHOWN ON A3.01
COUNTER	TOPS (SS = SOLID SURFACE)
SS-1	HANSTONE QUARTZ; ROYALE BLANC BA205
MISCELLA	NEOUS (PLAM = PLASTIC LAMINATE) (WPS=WALL PANEL SYSTEM) (FRP = FIBERGLASS REINFORCED PANEL) (EP = EDGE PRO
1X6 T&G	PINE INTERIOR SIDING, PAINT AS SCHEDULED; SEE INTERIOR ELEVATIONS AND RCP FOR LOCATIONS. SEE SPECIFICATIONS.
PLAM-1	WILSONART LAMINATE; 4830K-18 SATIN STAINLESS; LINEARITY GRAIN FINISH WITH AEON
FRP-1	MARLITE; SMOOTH SURFACE PANEL; S 490N LIGHT GREY; PVC TRIM ACCESSORIES TO MATCH PANEL COLOR
EP-1	SCHLUTER SYSTEMS; ROUNDED EDGE; RONDEC RO100AE; 100 (3/8"); ANODIZED ALUMINUM, SATIN FINISH
EP-2	SCHLUTER SYSTEMS; ROUNDED OUTSIDE CORNER; RONDEC RO100AE; 100 (3/8'); ANODIZED ALUMINUM, SATIN FINISH. FOR U
GT-1	CUSTOM GROUT SOLUTIONS; ARCH TO SELECT COLOR. FOR USE AT PORCELAIN FLOOR TILE U.N.O.
GT-2	CUSTOM GROUT SOLUTIONS; ARCH TO SELECT COLOR. FOR USE AT CERAMIC WALL TILE U.N.O.
FINI	SH NOTES
1. GC T	O PROVIDE COMPLIANCE DATA THAT INTERIOR WALL AND CEILING FINISHES COMPLY WITH CLASSIFICATION B: FLAME SPRE
2. GC T	O PROVIDE COMPLIANCE DATA THAT INTERIOR WALL AND CEILING FINISHES COMPLY WITH CLASSIFICATION C: FLAME SPRE ROOMS AND ENCLOSED SPACES
	O PROVIDE COMPLIANCE DATA FOR INTERIOR FLOOR FINISHES THAT SHOWS COMPLIANCE WITH NOROA

5. WHERE INDICATED ON ARCHITECTURAL FLOOR PLAN WITH "CG" PROVIDE CORNER GUARD PER SPECIFICATIONS. COLOR TO BE SELECTED BY ARCHITECT.

Image FLOOR BASE FLAN NORTH PLAN EAST PLAN SUTH PLAN MEAT PLAN MEST MATERAL PLAN MEST PLAN MEST MATERAL PLAN MATERAL PLAN MATERAL MATERAL MATERAL MATERAL								WA	ALLS					
ROM NMEMATERIALMATERIALMATERIALFINSH			FLOOR	BASE	PLAN NO	DRTH	PLAN EA	ST	PLAN SO	UTH	PLAN W	/EST	CEILI	NG
IPIST LEVEL IPIST LEVEL <	ROOM NO.	ROOM NAME	MATERIAL	MATERIAL	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	I MATERIAL	FINISH	MATERIAL	FINISH
101LOBBYPT-1SEE A451SEE A451SEE A451SESEE A451SESEE A451SESEE A451SESEE A451SEE A451<		FIRST LEVEL												
102LOUNGECPT-1SEE A-451SEE A-452SEE A-452	101	LOBBY	PT-1	SEE A-451	SEE A-451		SEE A-451		SEE A-451		SEE A-451		SEE A-201	P-1
3PLANNINGCPT-1RB-1GWBP-1GWB	2	LOUNGE	CPT-1	SEE A-451	SEE A-451		SEE A-451		SEE A-451		SEE A-451		SEE A-201	P-1
M4 QUET ROOM CPT-1 RB-1 GWB P-1 GWB P-1 <th< td=""><td>3</td><td>PLANNING</td><td>CPT-1</td><td>RB-1</td><td>GWB</td><td>P-1</td><td>GWB</td><td>P-1</td><td>GWB</td><td>P-1</td><td>GWB</td><td>P-1</td><td>ACP-1</td><td></td></th<>	3	PLANNING	CPT-1	RB-1	GWB	P-1	GWB	P-1	GWB	P-1	GWB	P-1	ACP-1	
105KITCHENPT-1MI - SEE A-801GWBP-1GWBP-1GWBP-1GWBP-1ACP-1106BATHPT-1SEE A-452SEE A-452SEE A-452SEE A-452SEE A-452SEE A-452ACP-1ACP-1107JANITORPT-1RB-1SEE A-451GWBSEE A-451GWB/FRP-1P-1GWB/FRP-1P-1ACP-1108UTILITYSDT-1RB-1GWBP-1GWBP-1GWBP-1GWBP-1ACP-1	104	QUIET ROOM	CPT-1	RB-1	GWB	P-1	GWB	P-1	GWB	P-1	GWB	P-1	ACP-1	
106BATHPT-1SEE A-452SEE A-452SEE A-452SEE A-452SEE A-452ACP-1ACP-1107JANTORPT-1RB-1SEE A-451SEE A-451SEE A-451SEE A-451SUBJERP-1P-1GWB/FRP-1P-1ACP-1ACP-1108UTILITYSDT-1RB-1GWBP-1GWBP-1GWBP-1GWBP-1GWBP-1ACP-1ACP-1	105	KITCHEN	PT-1	M1 - SEE A-801	GWB	P-1	GWB	P-1	GWB	P-1	GWB	P-1	ACP-1	
107JANITORPT-1RB-1SEE A-451SEE A-451CWB/FRP-1P-1GWB/FRP-1P-1ACP-1108UTILITYSDT-1RB-1GWBP-1GWBP-1GWBP-1GWBP-1ACP-1ACP-1	106	BATH	PT-1	SEE A-452	SEE A-452		SEE A-452		SEE A-452		SEE A-452		ACP-1	
108 UTILITY SDT-1 RB-1 GWB P-1 GWB P-1 GWB P-1 GWB P-1 GWB P-1 ACP-1	107	JANITOR	PT-1	RB-1	SEE A-451		SEE A-451		GWB/FRP-1	P-1	GWB/FRP-1	P-1	ACP-1	
	108	UTILITY	SDT-1	RB-1	GWB	P-1	GWB	P-1	GWB	P-1	GWB	P-1	ACP-1	
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			I											
		·												

)TECTION) (GT = GROUT COLOR)

USE AT ALL OUTSIDE CORNERS WITH WALL TILE FINISH

READ 26-75 AND SMOKE DEVELOPED 0-450 READ 76-200 AND SMOKE DEVELOPED 0-450

	FURNISH ALL LABOR. MATERIAL AND FOLIPMENT REQUIRED FOR THE
	COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES.
2.	ALL PLUMBING FIXTURES AND PLUMBING SYSTEM EQUIPMENT SHALL BE PROVIDED COMPLETE WITH ALL ACCESSORIES, HANGERS, VALVES, STOPS, TAILPIECES, TRAPS, FAUCETS, STRAINERS, ETC. SEE FIXTURE SCHEDULE.
3.	FURNISH AND INSTALL COMPLETE SYSTEMS OF SOIL, WASTE, VENT, HOT AND COLD WATER PIPING FROM ALL PLUMBING FIXTURES, AND/OR OTHER EQUIPMENT.
4.	CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS. PROVIDE CLEANOUTS AT THE BASE OF ALL WASTE STACKS, AT EVERY FOUR 45 DEGREE TURNS, AND AT EVERY 100 FEET. CLEANOUTS SHALL BE PLACED IN READILY ACCESSIBLE LOCATIONS.
5.	ALL SOIL, WASTE, AND VENT LINES SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION.
<i>6</i> .	COPPER PIPING SHALL BE PROTECTED AGAINST CONTACT WITH MASONRY OR DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER PLATED. WHERE COPPER PIPING IS CARRIED ON IRON TRAPEZE HANGERS WITH OTHER PIPING, SATISFACTORY AND PERMANENT ELECTROLYTIC ISOLATION MATERIAL SHALL PROTECT THE COPPER AGAINST CONTACT WITH OTHER METALS.
7.	WHERE COPPER PIPING IS SLEEVED THROUGH MASONRY, SLEEVES SHALL BE COPPER OR RED BRASS. WHERE COPPER MUST BE CONCEALED IN A MASONRY PARTITION OR AGAINST MASONRY, CONTACT SHALL BE PREVENTED BY COATING THE COPPER HEAVILY WITH ASPHALTIC ENAMEL AND PROVIDING IS# ASPHALT SATURATED FELT BETWEEN THE PIPE AND MASONRY.
3.	THE PLUMBING CONTRACTOR SHALL COORDINATE CLOSELY WITH THE MECHANICAL AND THE ELECTRICAL CONTRACTORS TO AVOID CONFLICT WITH OTHER TRADES.
7.	CEILING AREA HAS LIMITED SPACE. CONTRACTOR MUST COORDINATE WITH OTHER TRADES FOR ALL STRUCTURES, PIPING, CONDUIT, DUCTWORK, LIGHTING, ETC. TO PROPERLY BE INSTALLED.
0.	ALL PIPE INSULATION SHALL RUN CONTINUOUSLY THROUGH FLOORS, WALLS, AND PARTITIONS.
1.	PROVIDE DRAIN VALVES IN THE HOT AND COLD WATER SYSTEM AT ALL LOW POINTS TO ALLOW FOR COMPLETE DRAINAGE.
2.	VACUUM BREAKERS SHALL BE PROVIDED FOR ALL FIXTURES TO WHICH HOSES MAY BE ATTACHED. VACUUM BREAKERS SHALL BE PERMANENTLY ATTACHED.
3.	WASTE AND VENT PIPING SHALL BE AS FOLLOWS:
	 BELOW SLAB: SCHEDULE 40, PVC SOLID WALL PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED FITTINGS. ABOVE SLAB: SCHEDULE 40, PVC SOLID WALL PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED FITTINGS. ½" INSULATION IS REQUIRED ON ALL HORIZONTAL RUNS ABOVE NOISE SENSITIVE AREAS.
4.	DOMESTIC WATER PIPING SHALL BE AS FOLLOWS:
	 BELOW SLAB: TYPE "K" COPPER. ABOVE SLAB: CPVC "FLOWGUARD GOLD". ABOVE SLAB: TYPE "L" COPPER MUST BE USED IN MECHANICAL/WATER HEATER ROOMS. ALTERNATE: PEX-A "UPONOR" (OR EQUAL) WITH "UPONOR, PROPEX" FITTINGS (OR EQUAL).
5.	INSULATION IS REQUIRED ON HOT WATER RECIRC SYSTEM PIPING. PROVIDE IN ACCORDANCE WITH STATE ENERGY CODE OR PER LOCAL JURISDICTION. INSULATE WITH CLOSED-CELL ELASTOMERIC MATERIAL.
6.	INVERT ELEVATIONS SHALL BE ESTABLISHED AND VERIFIED BEFORE WASTE PIPING IS INSTALLED SO THAT PROPER SLOPES WILL BE MAINTAINED.
7.	THE PLUMBING CONTRACTOR SHALL PROVIDE WATER HAMMER PROTECTION ON ALL WATER DISTRIBUTION PIPING WHERE QUICK-CLOSING VALVES ARE UTILIZED. INSTALLATION OF AIR CHAMBERS OR SHOCK ARRESTORS SHALL BE IN ACCORDANCE WITH PDI-WH201. SEE SHOCK ARRESTOR SCHEDULE (IF PROVIDED).
8.	PROVIDE FULL PORT VALVES IN ALL BRANCH LINES OF THE HOT AND COLD WATER DISTRIBUTION SYSTEM ON $\frac{3}{4}$ " AND LARGER CW & HW AND AS SHOWN ON PLANS, RISERS, AND SCHEMATIC DETAILS.
9.	REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF PLUMBING FIXTURES.
20.	PROVIDE ACCESS DOORS FOR ALL VALVES AND DEVICES REQUIRING ACCESS WHEN LOCATED IN WALLS OR ABOVE INACCESSIBLE CEILING CONSTRUCTION.
21.	PROVIDE DEEP SEAL TRAPS FOR ALL FLOOR DRAINS.
22.	REFER TO APPENDIX B FOR SITE SEISMIC CLASSIFICATION. A COMPLETE SYSTEM OF SEISMIC RESTRAINTS SHALL BE DESIGNED BY MASON INDUSTRIES (OR EQUAL) & SEALED BY THEIR REGISTERED ENGR & INSTALLED BY THIS CONTR. AS REQ'D BY APPLICABLE CODES FOR THE LOCALE OF THIS PROJECT. SEISMIC RESTRAINTS FOR SEISMIC CLASSES D, E, AND F SHALL BE SUBMITTED TO THE DESIGN PROFESSIONAL FOR REVIEW PRIOR TO INSTALLATION.
23.	PROVIDE A U.L. LISTED ASSEMBLY FOR ALL PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.
24.	PROVIDE PRESSURE REDUCING VALVE SET AT 80 PSI.
25.	ALL SUSPENDED MATERIALS AND EQUIPMENT SHALL BE INDIVIDUALLY SUPPORTED FROM THE BUILDING STRUCTURE. DO NOT SUSPEND ITEMS FROM

SIOUX-CHIEF SHOCK ARRESTORS ONLY.

				PLU	MBING	FIXTURE	SPECIFIC	CATIONS	AND	CO	NNEC	TION	SCHE	DULE						
								FAUCET/VALV	E		DRA	IN	SUPPLIES		PIPE S	BIZES				
MARK	FIXTURE	TTPE	MANUFACTURER	MODEL NO.	MATERIAL	STYLE	MANUFACT. MODEL NO.	SPOUT	HANDLES	CENTERS	TYPE	SIZE	AND STOPS	WASTE	VENT	CW	HW	MOUNTING	REMARKS	
P-1	WATER CLOSET	FLUSH TANK	AMERICAN STANDARD	211AA	VITREOUS CHINA	ADA EL <i>O</i> NGATED	-	-	-	-	-	-	McQUIRE 185	3"	2"	ķ_"	-	FL00R	PROVIDE WITH OPEN FRONT SEAT WITH NO LID	
P-2	LAVATORY	WALL HUNG	AMERICAN STANDARD	0355.012	VITREOUS CHINA	ADA ROUND	DELTA 590-PLGHDF	CENTERSET	SENSOR	4 "	STRAINER	11/2"	McQUIRE 175 WITH PW2125	2"	1½"	۲ "	½"	WALL HUNG	MOUNT AT ADA HEIGHT. SET FAUCET METERING AT 0.25 GPM PER CYCLE.	
P-3	URINAL	FLUSH VALVE	AMERICAN STANDARD	6501.010	VITREOUS CHINA	ADA ELONGATED	SLOAN ROYAL 186-1-ADA	-	-	-	-	-	-	3"	۱½"	3y∥ 4	-	WALL	MOUNT AT REQUIRED ADA HEIGHT	
P-4	SHOWER	PREFAB	FLORESTONE	40-40H	FIBERGLASS	ADA 40" x 40"	SYMMONS PRESS. BALANCE	-	SINGLE LEVER	-	INTEGRAL	2"	-	2"	1½"	^ي ر "	1/2"	FLOOR	SEAT, GRAB BAR, PRESS. BAL. VALVE, HAND SPRAY, HOSE, SLIDE BAR, & DRAIN.	
P-5	MOP SINK	FLOOR MOUNTED	FIAT	TSB-6002	MOLDED STRUCTURAL PLASTIC	ONE PIECE 36"X36"X12"	FIAT 830-AA	THREADED	TWO HANDLES	8"	-	-	-	3"	11/2"	3y# 4	3yıı 4	FLOOR	PROVIDE MOP HANGER, HOSE, HOSE BRACKET, AND VACUUM BREAKER.	
P-6	BREAK SINK	SINGLE COMP'T	ELKAY	LRAD-2522	STAINLESS STEEL	6½" DEEP 3-HOLE HANDICAPPED	ELKAY LK-230-BH-5	8" SWING	SINGLE LEVER	8"	CRUMB CUP	11/2"	McQUIRE 175	2"	1½"	^ي ر "	1/2"	COUNTER TOP	PROVIDE WITH ELKAY LK-35, SPRAYER, & IN-SINK-ERATOR MODEL # I DISPOSAL 1/3HP, 120V.	
P-7	REFRIGERATOR BOX	BOTTOM SUPPLY	OATEY	38574	PVC	RECESSED BOX	-	-	-	-	-	-	-	-	-	^ي ر"	-	WALL	SHUT-OFF VALVE AND THREADED CW CONNECTION.	
FD	FL <i>OO</i> R DRAIN	SQUARE TOP	J.R. SMITH	2010	CAST IRON	NIKALOY TOP	-	-	-	-	-	-	-	-	-	-	-	FLOOR	PROVIDE WITH TRAP PRIMER CONNECTION WHERE INDICATED.	
WCO	WALL CLEAN-OUT	ROUND COVER	J.R. SMITH	4472	CAST IRON	S.S. COVER	-	-	-	-	-	-	-	-	-	-	-	WALL		
FCO	FLOOR CLEAN-OUT	SQUARE TOP	J.R. SMITH	4040	CAST IRON	NICKEL BRONZE TOP	-	-	-	-	-	-	-	-	-	-	-	FLOOR		
GCO	GRADE CLEAN-OUT	ROUND TOP	J.R. SMITH	4240	CAST IRON	CAST IRON TOP	-	-	-	-	-	-	-	-	-	-	-	GRADE	PROVIDE WITH 24"x24"x8" THK CONCRETE PAD AT GRADE.	
FPHB	HOSE BIBB	FREEZE PR <i>OO</i> F	WOODFORD	B65	CAST BRASS	RECESSED BOX	-	_	-	-	-	-	-	-	_	3/" 4	-	WALL		
WH-1	WATER HEATER	ELECTRIC	STATE	PCE 50 20LSA	GLASS LINED	LOWBOY	_		-	-	-	-	-	-	-	SEE PLAN	SEE PLAN	SEE DETAIL	50 GAL. STORAGE, 4.5KW, 208V, 20 GPH REC AT 90°F RISE PROVIDE DRAW BAN	

NOTES: I. CATALOG NUMBERS AND MANUFACTURERS ARE TO INDICATE TYPE AND QUALITY OF FIXTURE DESIRED. SUBMIT CUTSHEETS OF THESE AND ALTERNATE MANUFACTURERS FOR ARCHITECT AND OWNER APPROVAL PRIOR TO PURCHASE OF ANY FIXTURES. INFORMATION ON ALTERNATE FIXTURES PROPOSED BY THE CONTRACTOR SHALL INCLUDE THE ADD/DEDUCT ASSOCIATED WITH ACCEPTANCE OF THAT FIXTURE (OR THE ALTERNATE PACKAGE AS A WHOLE).

P.D.I. SIZE	FIXTURE UNITS	MANUFACTURER OR EQUAL
SA'A'	1 - 11	ZURN, SMITH, PPI, SIOUX-CHIEF
SA'B'	12 - 32	I
LOCATE SHOCK A	RRESTORS IN AN ACCESSIE	BLE LOCATION, OR PROVIDE

PROVIDE SHOCK ARRESTORS AS INDICATED PER SCHEDULE. SHOCK ARRESTORS SHALL BE SAME SIZE AS PIPE INSTALLED ON, MINIMUM.

-EXPANSION TANK

-DISCHARGE FULL SIZE OF VALVE DISCHARGE. SPILL

NOTE: TRAP PRIMERS SHALL MEET ASSE 1018 STANDARD.

TAGGED NOTES - THIS SHEET

- TIE INTO EXISTING SEPTIC SYSTEM
- 2 EXISTING SEPTIC SYSTEM. EXACT LOCATION TO BE FIELD VERIFIED.
- 2 FIELD VERIFY EXACT TIE-IN LOCATION WITH CIVIL. EXTEND AND CONNECT AS NECESSARY. 25 GPM AT 35 PSI REQUIRED AT FACE OF BUILDING.

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P-6

	HVAC GENE	ERAL	. NOTES
1.	THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT IN STRICT ACCORDANCE WITH APPLICABLE CODES AND STANDARDS, AND PER	19.	ALL ACTUACTORS ON MOT DAMPERS ARE TO BE LOW
2.	THE CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS, LICENSE, INSPECTIONS, APPROVALS, AND FEES.	20.	REFER TO APPENDIX B FO OF SEISMIC RESTRAINTS S SEALED BY THEIR REGIST
3.	THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES BEFORE INSTALLATION OF ANY MATERIALS OR EQUIPMENT.		APPLICABLE CODES FOR T SEISMIC CLASSES D, E, A FOR REVIEW PRIOR TO INS
4.	THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL LOCATION AND ARRANGEMENT OF ALL MATERIALS AND EQUIPMENT. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS BUILDING CONSTRUCTION AND ALL OTHER WORK WILL	21.	CONDENSATE DRAIN PIPING FROM AIR HANDLING UNITS
5.	PERMIT. DO NOT SCALE DRAWINGS FOR MEASUREMENTS.	22.	ALL MAIN DUCTWORK SHAL ACCORDANCE WITH SMACN BE FLEXIBLE DUCT CONFO
6.	ALL DUCT DIMENSIONS SHOWN ARE INTERIOR DUCT DIMENSIONS.		MAXIMUM OF 5'-0" OF FLE
7.	ALL PENETRATIONS THROUGH EXTERIOR WALLS & ROOF SHALL BE FLASHED & COUNTERFLASHED IN A WATERPROOF MANNER. (COLOR TO MATCH EXTERIOR).	23.	THE MECHANICAL CONTRAC CONTROL LINES FROM THE
8.	SEAL ALL PENETRATIONS OF RATED WALLS WITH FIRE DAMPER, SEALANT MATERIAL APPROVED BY LOCAL CODE.		ROUTING AND INSTALLATIO
9.	ALL SUSPENDED MATERIALS AND EQUIPMENT SHALL BE INDIVIDUALLY SUPPORTED FROM THE BUILDING STRUCTURE. DO NOT SUSPEND ITEMS FROM THE CEILING OR ITS SUPPORT SYSTEM.	24.	ELECTRICAL CONTRACTOR CONDUIT, DISCONNECT SW ELECTRICAL CONNECTIONS
10.	INSTALL ALL CONTROL DEVICES, INCLUDING THERMOSTATS AND SWITCHES, 4'-0" ABOVE FINISHED FLOOR. PROVIDE THE REQUIRED DEVICE(S) FOR ALL SYSTEMS WHETHER LOCATED ON THE PLANS OR NOT	25.	OUTSIDE AIR DUCTWORK S WITH VAPOR BARRIER.
11.	LOCATE CEILING DIFFUSERS IN ACCORDANCE WITH ARCHITECTURAL REFLECTED CEILING PLANS (IF PROVIDED).	26.	REFRIGERANT PIPING, NOT ACCORDANCE WITH THE M, INSTRUCTIONS AND LOCAL
12.	PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES AROUND MECHANICAL UNITS FOR MAINTENANCE AND FILTER REMOVAL.	27.	MECHANICAL CONTRACTOR RELIEF HOODS, OUTSIDE A OWNER PRIOR TO INSTALL
13.	ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED W/ WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, TO AVOID INTERFERENCE.	28.	MECHANICAL CONTRACTOR LOUVERS, AND VENT CAPS
14.	ALL SUPPLY AND RETURN DUCT SHALL BE INSULATED. CONCEALED SHEET METAL DUCT MAY BE EXTERNALLY INSULATED WITH MINERAL FIBER BOARD OR BLANKET	29.	SEE PLUMBING SHEETS FO
	OR MAY BE INTERNALLY INSULATED WITH DUCT LINER (R-VALUE = 5). THE FIRST 15' FROM THE AIR HANDLER SHALL BE INTERNALLY LINED. INTERNALLY LINED INSULATION SHALL MEET BACTERIOLOGICAL STANDARD ASTM C 665.	30.	ALL SUPPLY, RETURN, AN WITH A MINIMUM <i>O</i> F R-8 F
15.	CERTIFIED TEST AND BALANCE CONTRACTOR SHALL BALANCE SYSTEM TO AIR QUANTITIES INDICATED ON PLANS AND PROVIDE OWNER'S REPRESENTATIVE WITH COMPLETE BALANCE REPORT. IF BALANCING DAMPERS ARE NOT PROVIDED IN RETURN DUCTWORK, CONTRACTOR SHALL BALANCE SUPPLY SIDE TO AIR QUANTITIES INDICATED ON PLANS AND SHALL BALANCE OUTSIDE AIR AND RETURN	31.	PENETRATIONS OF RATED CONSTRUCTION SHALL BE PENETRATIONS OF NONRAT CONSTRUCTION SHALL BE INCHES OF WOOD. FIREST
	AIR FLOWS AT THE AIR HANDLER TO AIR QUANTITIES INDICATED IN THE SCHEDULE. PROVIDE NEW AIR FILTERS FOR EACH UNIT.	34.	MC SHALL PREPARE ALL E PAINTING. GC WILL BE RE
16.	AS REQUIRED BY LOCAL CODES, MECHANICAL CONTRACTOR SHALL PROVIDE U.L. LISTED FIRE DAMPERS WHERE REQUIRED FOR FIRE PROTECTION REQUIREMENTS OF THE HVAC SYSTEM & THE UL ASSEMBLY.	36.	ALL CUTTING AND PATCHI SHALL BE THE RESPONSIB
17.	PROVIDE I YEAR WARRANTY ON ALL EQUIPMENT AND 5 YEAR WARRANTY ON ALL COMPRESSORS.	37.	THE MECHANICAL CONTRAC ROOF TRUSSES WITH THE AND SUPPORT FOR THE M
18.	ALL INTAKE OPENINGS SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ALL EXHAUST LOCATIONS.	38.	THE GENERAL CONTRACTO INSTALLATION OF THE MEC WORKING AREAS FOR ACCI SHALL COORDINATE THE R CONTRACTOR.

							S	SPLI'	T SY	STE	M HEA	TP	UMP	UNI	T SCH	EDUL	E					
					AIR HAI	NDLING U	NIT DATA										HEAT PUN	1P				
				FAN	I DATA		C00	LING	HEAT	AUX.	ELECTR	CICAL DA	TA		GENE	ERAL DATA			ELECT	RICAL DA	TA	
UNIT	AREA	MANUF.	FAN	ESP	MOTOR	AO	TOTAL	SENS.	TOTAL	HEAT	VOLTAGE	MCA	MOCP	UNIT	MANUF.	TONNACE	EFF.	HGPF	VOLTAGE	MCA	MOCP	WEIGHT (LBS)
TAG	SERVED	MODEL	CFM	(WG)	HP	(CFM)	(MBH)	(MBH)	(MBH)	(KW)	(V/PH)	(A)	(A)	TAG	MODEL	TONNAGL	(SEER)	11311	(V/PH)	(A)	(A)	AH/HP
AH-I	SEE PLANS	CARRIER FB4CNP030L	1000	0.4"	1/3	150	28.6	21.97	25.1	8.0	240/1	48.5	50	HP-2	CARRIER 25HCE430	2.5	4	8.2	240/1	21.1	30	22/ 70

. COOLING CAPACITIES ARE RATED IN ACCORDANCE WITH ARI STANDARD 210/290 AT 95 DEGREE FARHENHEIT AMBIENT OUTDOOR AIR TEMPERATURE, 80 DEGREE FARHENHEIT DRY BULB, AND 67 DEGREE FARHENHEIT WET BULB ENTERING AIR TEMPERATURE, AND NORMAL AIR QUANTITY LISTED.

2. REFRIGERANT PIPING TO BE SIZED PER TOTAL INSTALLATION EQUIVALENT LENGTH. LONG-LINE APPLICATION TO BE PROVIDED WHENEVER MANUFACTURER RECOMMENDED LENGTHS ARE EXCEEDED, INCLUDING LIQUID LINE SOLENOID VALVES, ACCUMULATOR, ETC. MAXIMUM T.E.L. IS 100'. 3. PROVIDE SINGLE POINT ELECTRICAL CONNECTION FOR AIR HANDLING UNIT.

4. PROVIDE NEW FILTER IN EACH UNIT AT TURNOVER TO OWNER.

5. OUTDOOR UNITS SHALL HAVE A MINIMUM 14.0 SEER RATING.

7. PROVIDE HEAT PUMP KITWITH AIR HANDLER (IF REQUIRED).

3. PROVIDE A 24V MOTORIZED DAMPER ON FRESH AIR RUN-OUT TO UNIT. DAMPER IS TO OPEN WHEN FAN IS ENERGIZED.

9. ALL ACCESSORIES AND OPTIONS ARE TO BE FACTORY INSTALLED.

O. RETURN AIR THROUGH FILTERED GRILLE.

I . SUPPORT AHU ON REINFORCED SHEET METAL R.A. PLENUM.

2. AHU TO USE HORIZONTAL APPLICATION. 3. DRAIN CONDENSATE TO TAILPIECE OF NEAREST SINK.

4. OUTSIDE AIR PROVIDED BY NATURAL VENTILATION AND INFILTRATION.

5. PROVIDE 2 ZONE KIT WITH THERMOSTATS FOR ZONE CONTROL.

I G. CATALOG NUMBERS AND MANUFACTURERS ARE TO INDICATE TYPE AND QUALITY OF UNIT DESIRED. SUBMIT CUTSHEETS OF THESE AND ALTERNATE MANUFACTURERS FOR ARCHITECT AND OWNER APPROVAL PRIOR TO PURCHASE OF ANY UNITS. INFORMATION ON ALTERNATE UNITS PROPOSED BY THE CONTRACTOR SHALL INCLUDE THE ADD/ DEDUCT ASSOCIATED WITH ACCEPTANCE OF THAT UNIT (OR THE ALTERNATE PACKAGE AS A WHOLE).

					F	AN SCH	EDULE				
UNIT NO.	SERVICE	AREA SERVED	CFM	5.P.	RPM	TYPE ≉ ARRANGEMENT	MIN. MOTOR HP # VOLTAGE	MANUFACTURER & MODEL NO.	DRIVE	CONTROL SCHEME	NOTES
EF-I	EXHAUST	RESTROOM	150 MIN	0.25"	1400	CEILING	3 W/ .3A 20/ PH	GREENHECK SP-A 190	DIRECT	A	1-5
EF-2	EXHAUST	JANITOR	150 MIN	0.25"	1400	CEILING	3 W/ .3A 20/ PH	GREENHECK SP-A 190	DIRECT	A	1-5
EF-3	EXHAUST	KITCHEN	125 MIN	0.25"	1400	CEILING	3 W/ .3A 20/ PH	GREENHECK SP-A 190	DIRECT	A	1-5

NOTES:

I. SCREEN

2. BACKDRAFT DAMPER 3. COLOR BY ARCHITECT

4. INTEGRAL DISCONNECT SWITCH

5. SPEED CONTROLLER NEAR FAN

TORIZED DAMPERS, SMOKE DAMPERS, AND FIRE-SMOKE I VOLTAGE UNLESS OTHERWISE NOTED.

- FOR SITE SEISMIC CLASSIFICATION. A COMPLETE SYSTEM SHALL BE DESIGNED BY MASON INDUSTRIES (OR EQUAL) \$ FERED ENGR & INSTALLED BY THIS CONTR. AS REQ'D BY THE LOCALE OF THIS PROJECT. SEISMIC RESTRAINTS FOR AND F SHALL BE SUBMITTED TO THE DESIGN PROFESSIONAL STALLATION.
- NG SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS. DRAINS TS SHALL BE TRAPPED. ALL BE GALVANIZED SHEET METAL CONSTRUCTED IN
- CNA STANDARDS. RUNOUTS FROM MAIN/BRANCH DUCTS MAY ORMING TO THE REQUIREMENTS OF UL 181 FOR CLASS 1 MAX. LENGTH OF FLEX PER RUNOUT TO BE 10'-0". A LEX MAY BE USED FROM THE MAIN DUCT TO THE FP/VAV
- NT PURPOSES ONLY. CTOR SHALL PROVIDE REFRIGERANT AND LOW VOLTAGE E CONDENSER TO THE AIR HANDLING UNIT. COORDINATE ION WITH THE GENERAL CONTRACTOR. SIZE REFRIGERANT ER'S REQUIREMENTS.
- TO PROVIDE ALL HIGH VOLTAGE ELECTRICAL WIRING, NITCHES, FUSES, ECT. TO SPLIT SYSTEM UNITS. ALL FINAL ARE BY ELECTRICAL CONTRACTOR.
- SHALL BE WRAPPED WITH 1/3" FIBERGLASS DUCT WRAP
- SHOWN ON PLANS, SHALL BE SIZED & INSTALLED IN IANUFACTURER'S RECOMMENDATIONS, INSTALLATION CODES.
- SHALL VERIFY LOCATION OF ALL PENETRATIONS FOR AIR HOODS, LOUVERS, AND WALL CAPS WITH ARCHITECT \$ LATION.
- SHALL PAINT ALL RELIEF HOODS, INTAKE HOODS, PS. CONFIRM COLOR WITH ARCHITECT & OWNER PRIOR TO
- FOR ALL GAS PIPING INFORMATION AND DETAILS. AND OUTSIDE AIR DUCTWORK IN ATTIC TO BE INSULATED PER IBC/NC 2009 SECTION 803.2.8
- WALLS, PARTITIONS AND FLOORS OF NON- COMBUSTIBLE FIRESTOPPED WITH NONCOMBUSTIBLE MATERIALS. TED WALLS, PARTITIONS AND FLOOR OF COMBUSTIBLE FIRESTOPPED WITH MATERIALS EQUIVALENT TO TWO TOPPING SHALL COMPLY WITH ASTM E-814.
- EXPOSED DUCT, GRILLES, PIPING, AND UNITS FOR ESPONSIBLE FOR PAINTING.
- ING OF WALLS AND FLOORS FOR MECHANICAL EQUIPMENT IBILITY OF THE MECHANICAL CONTRACTOR.
- CTOR SHALL COORDINATE THE REQUIRED OPENINGS IN G.C. IN ORDER TO PROVIDE ADEQUATE SPACE, ACCESS 1ECHANICAL UNIT.
- OR SHALL PROVIDE PLATFORMS AS REQUIRED FOR THE CHANICAL UNIT, AND SUITABLE WALKING SURFACES AND CESS AND MAINTENANCE. THE MECHANICAL CONTRACTOR REQUIREMENTS FOR THESE ITEMS WITH THE GENERAL

MECHANICAL LEGEND SIDEWALL DIFFUSER/GRILLE XxX RECTANGULAR DUCT CONDENSATE DRAIN -----C-----X" FLEX/RIGID ROUND DUCT MECHANICAL EQUIPMENT TYPE XX XX-N ELBOW WITH TURNING VANES (T)T-STAT MOUNTED 46"AFF. __0 VOLUME DAMPER SD DUCT SMOKE DETECTOR SUPPLY TAP W/ WO VOLUME DAMPER LOUVERED DOOR (SEE ARCHITECTURAL DRAWINGS) \mathbf{X} ╂╾ 3/4" DOOR UNDER CUT SUPPLY DIFFUSER/GRILLE U.L. FIRE DAMPER W/ ACCESS DOOR FD ----RETURN REGISTER/GRILLE

EXHAUST REGISTER/GRILLE U.L. FIRE-SMOKE DAMPER FSD►----W/ ACCESS DOOR CEILING EXHAUST FAN

RD▶—

				DIFFU	JSER	SCH	IEDUI	-E			
SYMBOL	CFM	NECK SIZE	MODULE SIZE	FRAME TYPE	PATTERN	DAMPER	MATERIAL	SERVICE	FINISH	MANUFACTURER ≰ MODEL NO.	NOTES
A	AS NOTED	AS NOTED	AS NOTED	LAY-IN	4-WAY	YES	STEEL	SUPPLY	NOTE 2	PRICE SMD	Į
B	AS NOTED	AS NOTED	AS NOTED	LAY-IN	-	YES	STEEL	RETURN	NOTE 2	PRICE PDDR	J
	AS NOTED	AS NOTED	12x12	SURFACE	4-WAY	YES	STEEL	SUPPLY	NOTE 2	PRICE SMD	J
\bigcirc	AS NOTED	AS NOTED	AS NOTED	SURFACE	LINEAR	YES	STEEL	SUPPLY	NOTE 2	PRICE LBP	J
E	AS NOTED	AS NOTED	AS NOTED	SIDEWALL	-	YES	STEEL	RETURN	NOTE 2	PRICE 530	ļ
NOTES:						_					

DIFFUSER TYPE AS NOTED

ABOVE

NOTES

1-16

I. DIFFUSER DESIGNATIONS ON PLANS AS FOLLOWED:

DIFFUSER OR NECK SIZE

QUANTITY

AH_ I	
Lobby	
Lounge	
Quiet	
Planning	

S. PROVIDE MANUFACTURER'S 7-DAY PROGRAMMABLE AUTOMATIC CHANGEOVER HEAT/ COOL THERMOSTAT. PROVIDE WITH OUTSIDE AIR TEMPERATURE SENSOR TO LOCKOUT ELECTRIC HEAT WHEN OUTSIDE AIR TEMPERATURE IS ABOVE 40 DEGREES.

CONTROL OPTIONS: A. CONTROL W/ ROOM LIGHTS

2. FINISH TO MATCH/ BE ABLE MATCH CEILING OR WALL OR DOOR

3. PROVIDE WITH U.L. LISTED RADIATION DAMPER.

	VENTIL	ATION	CALCU	JLATIO	NS		
	B	ASED ON 2012	NCMC TABLE	403.3			
Floor Area	Area Outdoor Aır Rate cfm/sqft	People Outdoor Aır Rate cfm/person	Occupant Density #/1000 S.F	Occupancy	Outdoor Aır Required	Ventilation Effectiveness (Ez)	Total Outdoor Aır Required
108.2	0.06	7.5	30	3	31	0.8	39
248.0	0.06	7.5	30	7	71	0.8	88
71.7	0.06	5	5	0	6	0.8	8
79.1	0.06	5	5	0	7	0.8	8
				Al	H-1 TOTAL OU	TSIDE AIR REQUIRED	143
				AH	I-1 TOTAL OU	TSIDE AIR PROVIDED	150

	A <u>6x6</u> 100
M	

1/4"=1'-0"

FIRM NUMBER = C-2130

NOTES:

- I. SEE FLOOR PLANS AND SPECIFICATIONS FOR DUCT INSULATION REQUIREMENTS.
- 2. TAP OFF TOP/SIDE/BOTTOM OF DUCT AS REQUIRED

BRANCH TAKEOFF TO SINGLE OUTLET

COM <i>check</i> Software Version 4.0.8.1 Mechanical Compliance Certificate	COM <i>check</i> Software Version 4.0.8.1	Section Footing / Foundation Inspection Complies? Comments/Assumptions & Req.ID Freeze protection and snow/ice Complies	Section # Mechanical Rough-In Inspection Plans Verified Value Field Verified Value Complies? Comments/Assumptions 6.4.1.4.6. HVAC equipment efficiency Efficiency: Efficiency: Complies See the Mechanical Systems list
V Meenamear compliance certineate	Energy Code: 90.1 (2010) Standard	[FO9] ³ melting system sensors for future connection to controls.	4.1.5 verified. Non-NAECA HVAC Does Not for values. [ME1] ² equipment labeled as meeting Does Not Not Observable 90.1. Not Applicable
ect Information gy Code: 90.1 (2010) Standard	Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception	Additional Comments/Assumptions:	6.4.3.4.1 [ME3] ³ Stair and elevator shaft vents have motorized dampers that automatically close. Complies Does Not
ct Title: ion: Newberry, South Carolina ite Zope: 3a	is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided. Section Complies?		6.4.3.4.5 Enclosed parking garage Complies
ct Type: New Construction	& Req.ID Comples: Comples: 4.2.2,6.4. Plans, specifications, and/or 4.2.1.6.7. □Complies		Impossible Impossible Impossible Contaminant detection and capacity to stage or modulate fans to 50% or less of design Impossible
struction Site: Owner/Agent: Designer/Contractor:	2 with which compliance can be [PR2] ¹ determined for the mechanical systems and equipment and A compliance can be Docs Not Docs N		capacity. Complies 6.4.3.4.4 [ME5] ³ Ventilation fans >0.75 hp have automatic controls to shut off fan Complies
hanical Systems List ntity System Type & Description	standard are claimed. Load calculations per acceptable engineering standards and		when not required. Image: Complex state of the state
1 AH-1 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 25 kBtu/h, Developed 5ff size = 0.00 kI0P5 - Developed 5ff size = 7.70 kI0P5	handbooks. 4.2.2,8.4. Plans, specifications, and/or 1.1,8.4.1. calculations provide all information		[ME6] ¹ provided for spaces >500 ft2 and >40 people/1000 ft2 occupant density and served by systems Does Not
Cooling Mode: Capacity = 29 kBtu/h, Proposed Efficiency = 14.00 SEER, Required Efficiency: 13.00 SEER Fan System: None	2,8.7 with which compliance can be [PR6] ² determined for the electrical systems and equipment and document where exceptions are claimed. Feeder		with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.
hanical Compliance Statement	connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.		6.4.3.10 [ME40] ² Single zone HVAC systems with fan motors >=5 hp have variable airflow controls. Air conditioning Complies See the Mechanical Systems list for values.
<i>liance Statement:</i> The proposed mechanical design represented in this document is consistent with the building plans, fications, and other calculations submitted with this permit application. The proposed mechanical systems have been ned to meet the 90.1 (2010) Standard requirements in COM <i>check</i> Version 4.0.8.1 and to comply with any applicable	6.7.2.4 Detailed instructions for HVAC □Complies [PR5] ¹ systems commissioning included on the plans or specifications for projects = 50,000 ft2		equipment with a cooling capacity >=110,000 Btu/h has variable airflow controls.
atory requirements listed in the Inspection Checklist. AYNE KING III	Additional Comments/Assumptions:		6.4.4.1.1 Insulation exposed to weather [ME7] ³ protected from damage. Insulation outside of the conditioned space and associated Insulation Construction Construction Insulation Construction Construction Construction Construction Construction Construction Construction Construction Construc
2 - Title Date			6.4.4.1.2 HVAC ducts and plenums R- R- Complies
			[ME8] ² insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Does Not Image: Not Applicable Image: Not Applicable
			6.4.4.1.3 HVAC piping insulation thickness. in. in. [ME9] ² Where piping is installed in or in. in.
			under a slab, verification may need to occur during Foundation Inspection.
			6.4.4.1.4 [ME41] ³ Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5. □Complies □Does Not □Not Observable
			6.4.4.2.1 Ducts and plenums sealed based Complies
			Increase and rocation. Incre
ect Title: Report date: 03/15/18	1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: Report date: 03/15/18	1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: Report date: 03/15/18	I High Impact (Tier 1) I Medium Impact (Tier 2) I Low Impact (Tier 3) Project Title: Report date: 03/15/18
Not Observable 3 Dehumidification controls provided to prevent reheating, recooling, mixing of hot and cold aristreams or concurrent heating and cooling of the same airstream. Does Not 3 Multiple zone VAV systems with PAVE static pressure setpoint reset controls. See the Mechanical Systems list for values. 1 HVAC pumping systems >10 hp designed for variable fluid flow. Does Not Does Not Not Observable 1 HVAC pumping systems >10 hp designed for variable fluid flow. Complies Does Not Does Not Not Observable 1 Exhaust air energy recovery on Systems meeting Table 6.5.6.1. Does Not Not Observable 1 Kitchen hoods >5,000 cfm have air volume. Complies Does Not Not Applicable 1.1 Kitchen hoods >5,000 cfm have air volume. Does Not Not Observable 1.2 Approved field test used to Systems. Does Not Not Applicable 1.3 Approved field test used to Systems. Does Not Not Applicable 21 ⁴ exhaust systems. Does Not Not Applicable 21 ⁵ evaluate design air flow rates air volume. Does Not Does Not Does Not Not Applicable 21 ⁶ evaluate design air flow rates air volume. Does Not Does Not Does Not Not Observable 21 ⁶ headed use only radiant heat. Does Not Does Not Not Observable	air additionate control device. Observable 10.4.1 Electric motors meet requirements Observable Does Not Observable Not Applicable Additional Comments/Assumptions:	Image: Second	
1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) t Title: Report date: 03/15/18	1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: Report date: 03/15/18 Data filename: P:\FMK FMK Architects\1801 Northwoods Club Renovation\1-Design Info\18-00-00 Mech info\WI Page	Image: Instruct, Vendator power, and Indoes Not Additional Comments/Assumptions: Image: Im	Project Title: Data filename: P:\FMK FMK Architects\1801 Northwoods Club Renovation\1-Design Info\18-00-00 Mech info\WII Page 8 of 8

SABER ENGINEERING,PA SEAS & THICH ST. SURE 200 CHARACTE, NO. CO2383, OF AUTOMINIST

			L	IGHTING	G FIX	TUF	RE SCHE	DUL	E	
MADY	MANUE	CATALOG	LA	MP DATA		BAL	LAST DATA	INPUT	MOUNTING	
HARN	HANUF.	NUMBER	NO.	TYPE	VOLIS	NO.	TYPE	WATTS	TICONTING	
A	RENOVA LTG SYSTEMS INC	RVN-22-N-L040-UNV-DIM- C30-AF	-	LED	120	1	ELECTRONIC DRIVER	35	RECESSED	RECE
В	LITHONIA	LDN4-20-LO4-AR-LSS-TRW	1	LED	120	Ι	ELECTRONIC DRIVER	26	RECESSED	4" RE
С	TO BE SELECTED	-	-	LED	120	1	ELECTRONIC DRIVER	50	PENDANT	DECO ALLO
D	BARN LIGHT ELECTRIC	G-WHBII-LED-980-GII-980- 2000-27K	-	LED	120	1	ELECTRONIC DRIVER	20	WALL	LED (SHAD ALUM
E	NOVA FLEX	NF-DS-0-160-24V-4100K	1	LED	120	1	ELECTRONIC DRIVER	5W/FT	SURFACE	PROV ALON PROV
¢.	MULE LTG	SQC-LED-1-R-W	2	LED	120	1	-	<1	UNIVERSAL	COME
ß	MULE LTG	MAKO-LED-AC-BK	-	LED	120	-	-	<1	WALL	SURF. MOUN
Ľ,	MULE LTG	SQ LED W	2	LED	120	-	-	<1	UNIVERSAL	SURF

CATALOG NUMBERS AND MANUFACTURERS ARE TO INDICATE TYPE AND QUALITY OF FIXTURE DESIRED. SUBMIT CUTSHEETS OF T FOR ARCHITECT AND OWNER APPROVAL PRIOR TO PURCHASE OF ANY FIXTURES. INFORMATION ON ALTERNATE FIXTURES PROPOSE THE ADD/DEDUCT ASSOCIATED WITH ACCEPTANCE OF THAT FIXTURE (OR THE ALTERNATE PACKAGE AS A WHOLE). EXIT AND EMERGENCY LIGHTING FIXTURES SHALL BE CIRCUITED TO AN UNSWITCHED LEG OF THE LOCAL LIGHTING CIRCUIT, UNLESS NOTED OTHERWISE.

DUCT DETECTOR MOUNTING DETAIL DIAGRAMMATIC ONLY

DUCT DECTECTOR & MULTI-SIGNALING ACCESSORY MODEL NUMBERS ARE FROM SYSTEM SENSOR. ALL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE LATEST LOCAL CODES. SMOKE DETECTOR TO BE SUPPLIED BY EC TO MC FOR INSTALLATION INTO DUCTWORK. EC TO PROVIDE, WIRE AND TEST OPERATION OF DETECTOR AND NOTIFICATION DEVICES. SEE MECHANICAL PLANS FOR LOCATION OF A/V DEVICES.

3 EMERGENCY/NITE LIGHT WIRING DETAIL DIAGRAMMATI

DESCRIPTION
ESSED 2'x2' LED FIXTURE, 4000 LUMEN.
ECESSED LED DOWN LIGHT.
DRATIVE LOBBY PENDANT. PROVIDE \$500 DWANCE.
GOOSENECK FIXTURE WITH II" WAREHOUSE DE AND ARM BRACKET, BRUSHED 1INUM FINISH.
/IDE II" STRIP OF RIBBON LED TAPE LIGHT IG BOTTOM OF RECESS TOWER ELEMENT. /IDE ALL NECESSARY HARDWARE.
BO EMERGENCY/LED EXIT SIGN WITH RED TERS AND WHITE HOUSING. PROVIDE 90 TE BATTERY BACKUP.
ACE MOUNTED EXTERIOR EMERGENCY LIGHT. NT AT 96" AFF. CONNECT TO UNSWITCHED OF EXTERIOR LIGHTING CIRCUIT.
ACE MOUNTED EMERGENCY LIGHT. MOUNT 16" AFF TO BOTTOM. PROVIDE WITH 90 TE BATTERY BACKUP.
HESE AND ALTERNATE MANUFACTURERS

CEILING

FLOOR

GENERAL ELECTRICAL NOTES

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL AND STATE CODES.
- ALL MATERIAL, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE NEW AND SHALL CONFORM TO THE STANDARDS OF THE UNDERWRITER'S LABORATORIES, INC., AND THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION.
- ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR. DRAWINGS ARE DIAGRAMMATIC ONLY AND INDICATE ONLY THE GENERAL ARRANGEMENT. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER.
- ELECTRICAL CONTRACTOR SHALL MAKE ALL ELECTRICAL POWER CONNECTIONS TO HVAC, PLUMBING AND OTHER EQUIPMENT AS REQUIRED.
- A COMPLETE GROUNDING SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS SHOWN ON THE DRAWINGS.
- ALL CUTTING AND PATCHING OF WALLS AND FLOORS FOR ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. CONDUCTORS SHALL BE COPPER RATED AT NOT LESS THAN 600 VOLTS.
- MINIMUM SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE #8 AWG AND LARGER SHALL BE STRANDED. ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID, UNLESS OTHERWISE NOTED. BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE THHN OR THWN AS REQ'D.
- ALL WIRING SHALL BE INSTALLED IN GALVANIZED RIGID CONDUIT, INTERMEDIATE METAL CONDUIT, OR EMT. EMT SHALL NOT BE USED IN OR UNDER CONCRETE SLABS, OR IN MASONRY WALLS. USE SCHEDULE 40 PVC OUTDOORS WHERE NOT SUBJECT TO PHYSICAL DAMAGE OR BELOW FLOOR SLAB. MINIMUM CONDUIT SIZE TO BE 1/2". TYPE MC AND AC CABLE MAY BE USED WHERE PERMISSIBLE BY NFC.
- 10. PROVIDE A PULLWIRE IN ALL EMPTY CONDUITS.
- PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION OF AND TYPE OF LOAD BEING SERVED FOR ALL CIRCUITS. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL PANELBOARDS AND DISCONNECT SWITCHES, WHITE LETTERS ON BLACK BACKGROUND.
- 2. FUSES 0 600 AMPS SHALL BE UL CLASS "RK-1" LOW PEAK DUAL ELEMENT TIME DELAY WITH 200,000 AMPERE INTERRUPTING RATING AS MANUFACTURED BY BUSSMANN, UNLESS NOTED OTHERWISE.
- 3. ALL TERMINALS/LUGS SHALL BE 60/75' RATED. ALL TERMINALS, SPLICING CONNECTORS, LUGS, ETC SHALL BE IDENTIFIED FOR USE WITH THE MATERIAL (CU/AL) OF THE CONDUCTOR AND SHALL BE PROPERLY INSTALLED.
- 14. VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF INCOMING ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START-UP. NOTIFY ENGINEER OF ANY CHANGES AS MAY BE REQUIRED. 15. E.C. TO VERIFY DEVICE PLATE COLOR AND MATERIAL WITH ARCHITECT PRIOR TO
- PURCHASE. 6. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL
- ELECTRICAL EQUIPMENT FROM FOREIGN MATERIAL DURING CONSTRUCTION (PAINT, SPACKLE, ETC.). 7. PENETRATIONS OF REQUIRED SMOKE PARTITIONS SHALL BE SEALED USING
- METHODS APPROVED UNDER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE MAINTAINED TO INSURE THAT THIS SMOKE STOPPING IS ACCOMPLISHED.
- 18. WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE-RESISTIVE WALL, FLOOR, OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, THE OPENING AROUND THE RACEWAY SHALL BE FIRE STOPPED PER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE MAINTAINED TO INSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED. USE APPROVED U.L. OR EQUIVALENT ASSEMBLIES.
- 19. IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF BOXES THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY U.L. COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO INSURE THAT THE INTEGRITY OF THE U.L. RATING IS MAINTAINED.
- 20. WHERE A HOME RUN IS SHOWN THE CIRCUIT SHALL BE INSTALLED IN A DEDICATED CONDUIT, DO NOT COMBINE WITH OTHER CIRCUITS. WHERE A CIRCUIT HOMERUN IS NOT SHOWN, THE CONTRACTOR SHALL COMBINE CIRCUITS AS FOLLOWS: A MAXIMUM OF THREE 20A BRANCH CIRCUITS MAY BE COMBINED IN A COMMON HOMERUN WITH SEPARATE NEUTRALS FOR A MAXIMUM TOTAL OF SIX CURRENT CARRYING CONDUCTORS. ALL BRANCH CIRCUITS LARGER THAN 20A SHALL BE SEPARATELY HOMERUN TO THE PANEL.
- 21. COORDINATE WITH THE CABLE TV AND TELEPHONE UTILITIES AS REQUIRED FOR SERVICE ENTRANCE REQUIREMENTS. INSTALLATION MUST COMPLY WITH THEIR RESPECTIVE REGULATIONS AND REQUIREMENTS.
- 22. RECEPTACLES SHALL BE SPECIFICATION GRADE EQUAL TO HUBBELL 5300 SERIES, GROUND FAULT RECEPTACLES SHALL BE HUBBELL GF-5362. LIGHTING SWITCHES SHALL BE SPECIFICATION GRADE EQUAL TO HUBBELL 1200 SERIES.
- 23. ALL EXTERIOR FIXTURES AND DEVICES SHALL BE RATED FOR OPERATION AT O" F AND SHALL BE DAMP OR WET LABELED AS REQUIRED.
- 24. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL ELECTRICAL EQUIPMENT, DEVICES, ETC. IN ACCORDANCE WITH LOCAL SEISMIC CODE REQUIREMENTS. PROVIDE SEISMIC RESTRAINTS, ACCESSORIES AND INSTALLATION DETAIL AS REQUIRED.
- 25. ELECTRICAL CONTRACTOR TO COORDINATE THE EXACT MCA/MOCP REQUIREMENTS OF ALL EQUPMENT WITH ALL OTHER TRADES PRIOR TO PRICING, ORDERING, OR INSTALLING ANY ELECTRICAL GEAR. THIS SHALL INCLUDE BUT NOT LIMITED TO ALL HVAC, PLUMBING, KITCHEN, OWNER PROVIDED EQUIPMENT, ETC.

- WORK. ELECTRICAL CONTRACTOR SHALL REROUTE AND RECONNECT ANY CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH NEW CONSTRUCTION.
- . MATERIAL BEING REMOVED UNDER DEMOLITION (AND NOT TO BEING RELOCATED) SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED COMPLETELY FROM THE SITE, UNLESS OTHERWISE NOTED.
- 4. EXISTING CONDUITS THAT WILL NOT BE REUSED SHALL BE REMOVED IN CEILING PLENUMS AND WALLS. OTHERS MAY BE ABANDONED BELOW FLOOR SLABS. CONTRACTOR SHALL REMOVE ALL WIRING FROM ABANDONED CONDUITS. CUT-OFF ABANDONED CONDUITS BELOW FLOOR AND GROUT FLUSH WITH NON-CONTRACTING GROUT.

	ELECTRICAL SYMBOL LEGEND
	CIRCUIT CONDUCTORS CONCEALED IN FLOOR, WALL OR CEILING.
	ARROWHEAD INDICATES HOMERUN TO PANEL NOTED.
<u> </u>	INDICATES HOT LEG OF CIRCUIT TO BE CARRIED OVER TO NEXT DEVICE. SEE PLANS FOR CONTROL SCHEME.
0	JUNCTION BOX WALL, FLOOR, OR CEILING MOUNTED.
\$	SINGLE POLE SWITCH, 20A, 120/277 VOLT, 48" A.F.F. TO CENTER. "3" INDICATES 3-WAY SWITCH. "4" INDICATES 4-WAY SWITCH. "D" INDICATES DIMMER SWITCH OF TYPE TO SUIT LOAD. "K" INDICATES KEY OPERATED SWITCH. "M" INDICATES 120V, 20A MOTOR RATED TOGGLE SWITCH.
Ð	DUPLEX RECEPTACLE, 15 AMP, 120 VOLT, 24" A.F.F. TO BOTTOM UNLESS NOTED OTHERWISE "GFI" INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE "WP" INDICATES WEATHERPROOF "EWC" INDICATES GFI TYPE RECEPTACLE MOUNT INSIDE ENCLOSURE OF ELECTRIC WATER COOLER. "USB" INDICATES PROVIDE RECEPTACLE WITH (2) USB CHARGING PORTS.
+	QUADRUPLEX RECEPTACLE, AS ABOVE, 24" A.F.F. TO BOTTOM UNLESS NOTED OTHERWISE
Da 30/3/FPN	HEAVY DUTY FUSIBLE/NON-FUSIBLE DISCONNECT SWITCH, NUMBERS INDICATE FRAME SIZE, NUMBER OF POLES AND FUSING. PROVIDE NEMA I ENCLOSURE INSIDE. PROVIDE NEMA 3 ENCLOSURE FOR ALL SWITCHES LOCATED OUTSIDE. "FPN" INDICATES FUSE PER EQUIPMENT NAMEPLATE "NF" INDICATES NON-FUSED.
	208Y/120V PANEL, SURFACE OR RECESS MOUNTED, SEE SCHEDULE FOR DETAILS.
EF	FAN, PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECTING MEANS AS REQUIRED.
(HH)	WATER HEATER, PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECTING MEANS AS REQUIRED.
·	RECESSED MOUNTED 2x4 FLUORESCENT TROFFER, SEE FIXTURE SCHEDULE FOR DETAILS.
0 0	TRACK LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS.
₩	SURFACE MOUNTED FLUORESCENT STRIP, SEE FIXTURE SCHEDULE FOR DETAILS.
ф	WALL MOUNTED LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS.
¢	SURFACE, RECESSED OR GROUND MOUNTED LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS.
MD	ELECTRIC UTILITY METER LOCATION.
8	EXIT LIGHT, CEILING AND WALL MOUNTED RESPECTIVELY, SHADING INDICATES FACE. PROVIDE RED LETTERS WITH WHITE HOUSING AND EMERGENCY BATTERY PACK RATED FOR 90 MINUTE DURATION. WIRE TO HOT LEG OF LOCAL LIGHTING CIRCUIT.
	EMERGENCY LIGHT, WALL MOUNTED WITH EMERGENCY BATTERY PACK RATED FOR FOR 90 MINUTE DURATION. WIRE TO HOT LEG OF LOCAL LIGHTING CIRCUIT.
Ē	REMOTE MOUNTED LAMP HEAD, WALL MOUNTED WITH EMERGENCY BATTERY PACK RATED FOR 90 MINUTE DURATION. WIRE TO HOT LEG OF LOCAL LIGHTING CIRCUIT.
HØ	COMBO EMERGENCY/EXIT LIGHT, CEILING AND WALL MOUNTED RESPECTIVELY, SHADING INDICATES FACE. PROVIDE RED LETTERS WITH WHITE HOUSING AND EMERGENCY BATTERY PACK RATED FOR 90 MINUTE DURATION. WIRE TO HOT LEG OF LOCAL LIGHTING CIRCUIT.
CLG OS	DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR SET FOR 30 MINUTES.
HOS	WALL MOUNTED AT 46"AFF OCCUPANCY SENSOR SET FOR 30 MINUTES.
	WALL MOUNTED AT 46"AFF OCCUPANCY SENSOR WITH INTEGRAL DIMMER SWITCH SET FOR 30 MINUTES.
₽	CABLE TV OUTLET, 18" A.F.F. TO CENTER, UNLESS OTHERWISE NOTED. PROVIDE J-BOX AND EMPTY ½"C TO ABOVE ACCESSIBLE CEILING.
◀	TELEPHONE/DATA OUTLET, 18" A.F.F. TO CENTER, UNLESS OTHERWISE NOTED. PROVIDE J-BOX AND EMPTY %" CONDUIT TO ABOVE ACCESSIBLE CEILING.
D	DUCT MOUNTED SMOKE DETECTOR, CONNECT TO 120V CIRCUIT INDICATED. DETECTOR SHALL BE SUPPLIEDBY E.C. AND INSTALLED BY M.C., 120V WIRING BY E.C.
MS	DUCT DETECTOR AUDIO/VISUAL DEVICE WITH REMOTE TEST SWITCH MOUNTED

18"	DIMENSION INDICATES HEIGHT ABOVE FINISHED FLOOR AT WHICH CENTER OF DEVICE IS TO BE MOUNTED.
AFF	ABOVE FINISHED FLOOR.
AFG	ABOVE FINISHED GRADE.
EC	ELECTRICAL CONTRACTOR.
FPN	FUSE PER EQUIPMENT NAMEPLATE REQUIREMENTS.
GC	GENERAL CONTRACTOR.
MC	MECHANICAL CONTRACTOR.
PC	PLUMBING CONTRACTOR.
WP	INDICATES DEVICE TO HAVE WEATHERPROOF COVER.
UON	UNLESS OTHERWISE NOTED.
FACP	FIRE ALARM CONTROL PANEL.

ELECTRICAL DEMOLITION NOTES DRAWINGS ARE BASED ON EXISTING PLANS AND NON-DESTRUCTIVE FIELD ABANDONED DEVICES SHALL BE REMOVED WITH THE JUNCTION BOX. WALLS SHALL BE PATCHED TO MATCH ADJACENT SURFACES. INVESTIGATIONS. THE CONTRACTOR SHALL VISIT THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO PRICING. THE CONTRACTOR SHALL EXAMINE RELATED DRAWINGS TO AVOID CONFLICTS. CONTRACTOR SHALL EXERCISE CARE IN REMOVING DEMOLITION ITEMS AND SHALL REPAIR OR REPLACE AT HIS COST ANY DAMAGE CAUSED TO EXISTING . PROVIDE ELECTRICAL DEMOLITION WORK AS NECESSARY TO INSTALL NEW CONSTRUCTION AND EQUIPMENT TO REMAIN.

7. SCHEDULE WORK IN EXISTING BUILDING AT TIME CONVENIENT TO OWNER.

8. DEVICES TO BE REMOVED AND NOT REINSTALLED SHALL HAVE JUNCTION BOXES, CONDUCTORS, CONDUIT AND ALL ASSOCIATED APPURTENANCES REMOVED BACK TO LAST ACTIVE DEVICE OR PANELBOARD.

— PROVIDE (2) ¾"C STUBBED OUT TO SECURITY GATE FOR CONTROL AND POWER REQUIREMENTS. COORDINATE EXACT GATE LOCATION WITH G.C./CIVIL PLANS.

	A DI	ÉM/	ND	С	AI	LC	:S
LIGHTING		4.40	KVA X	125	%	=	5.5 KVA
RECEPTACLE	TOTAL	5.40	куа				
	1ST	10.00	KVA X	100	%	=	5.4 KVA
	REMAIN	0.00	KVA X	50	%	=	0.0 KVA
MOTORS		0.60	KVA X	100	%	=	0.6 KVA
A/C		5.00	KVA X	100	%	=	5.0 KVA
HEATING		12.50	KVA X	100	%	=	12.5 KVA
FUTURE			KVA X	100	%	=	0.0 KVA
KITCHEN		0.00	KVA X	65	%	=	0.0 KVA
MISCELLANEC	DUS	1.80	KVA X	100	%	=	1.8 KVA
TOTAL	=	128.3	3 amps			=	30.8 KVA

	PANELBOARD SCHEDULE - "A"																								
200A	MCB			VOLTAGE: 240/120	F	PHASE:	1		WIRE:	3		MOL	NTING:	SURF	ACE			AIC:		NOTES:					
<pre>KR</pre>	POLE	WIRE	COND				LO	AD (K	VA)			PHAS			LC)AD (K)	/A)				COND	WIRE	POLE	BKR	CKT
TRIP		SIZE	SIZE	DESCRIPTION	LTG	REC	MTR	A/C	H TG	KIT	MISC	A E	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	SIZE	SIZE		TRIP	#
20	1	12	1/2"	RECEPTACLES		0.9											4.0			AH-1	1"	6	2	50	2
20	1	12	1/2"	RECEPTACLES		1.1											4.0								4
20	1	12	1/2"	RECEPTACLES		0.9										2.5				HP-1	3/4"	10	2	30	6
20	1	12	1/2"	SECURITY GATE							0.5					2.5									8
20	1	12	1/2"	TELECOM RECEP'S		0.4											2.3			WATER HEATER	3/4"	10	2	30	10
20	1	12	1/2"	REFRIGERATOR - GFI							1.0						2.2								12
20	1	12	1/2"	DISPOSAL			0.6												0.1	DUCT DETECTOR - L	1/2"	12	1	20	14
20	1	12	1/2"	COUNTER RECEP		0.5							0.5							EXTERIOR LTS - PC/TC	1/2"	12	1	20	16
20	1	12	1/2"	COUNTER RECEP		0.5							1.0							EXTERIOR SIGN - PC/TC	1/2"	12	1	20	18
20	1	12	1/2"	LIGHTS	0.8								1.0							EXTERIOR SIGN - PC/TC	1/2"	12	1	20	20
20	1	12	1/2"	LIGHTS	0.5								0.3							EXTERIOR LTS - PC/TC	1/2"	12	1	20	22
20	1	12	1/2"	DOOR PANIC HARDWARE							0.2		0.3							EXTERIOR LTS - PC/TC	1/2"	12	1	20	24
20	1	12	1/2"	RECEPTACLES		1.1														SPARE	1/2"	12	1	20	26
20	1	12	1/2"	SPARE																SPARE	1/2"	12	1	20	28
20	1	12	1/2"	SPARE																SPARE	1/2"	12	1	20	30
				SPACE																SPACE					32
				SPACE																SPACE					34
				SPACE								T								SPACE					36
				SPACE																SPACE					38
				SPACE																SPACE					40
				SPACE																SPACE					42
G (KVA): 4.4 1.3 5.4 0.6 0.0 0.0 0.0				1.7		3.1	0.0	0.0	5.0	12.5	0.0	0.1	CONNECTED LOAD (KVA):	-1			2	9.7							
CLES	(KVA):			5.4																DEMAND LOAD (KVA):				3	30.8
(KVA)):			0.6						PHA	SE A	15.1	12	5.8											00.0
4):				5.0						PHA	SF R	14.6	12	I./						CONNECTED LOAD (AMPS):				1	23.8
(KVA)).)•			۱۲.۵ ۱۲.۵								ΝVΑ	AI	11.9						DEMAND LOAD (AMPS):				I	20.3
ANEO	,. JS (KVA`):		1.8																					

COORDINATE EXACT ELECTRICAL SERVICE

PROJECT START UP.

REQUIREMENTS WITH LOCAL UTILITY PRIOR TO

PANEL SHALL BE SERVICE ENTRANCE RATED. L - INDICATES LOCK-ON ATTACHMENT REQUIRED. PROVIDE SWD/HID RATED BREAKERS FOR LIGHTING CIRCUITS.

PROVIDE HACR BREAKERS FOR HVAC EQUIPMENT.

5. PC/TC - CIRCUIT THROUGH 120V 2000W PHOTO-CELL AND 7-DAY TIMECLOCK FOR PHOTOCELL ON, TIMECLOCK OFF CONTROL. LOCATE TIMECLOCK ADJACENT TO PANEL AND LOCATE PHOTOCELL ON NORTH SIDE OF BUILDING. PROVIDE 20A, 4-POLE, ELECTRONICALLY HELD LIGHTING CONTACTORS AS REQUIRED FOR MULTIPLE CIRCUIT CONTROL, QUANTITY AS REQUIRED. ALL CONTACTORS AND TIMECLOCK TO BE LOCATED IN NEMA I ENCLOSURES NEXT TO PANEL. 6. GFI - PROVIDE GFI BREAKER.

COM <i>check</i> Software Version 4.0.8.1	 5. Master switch at entry to hotel/motel guest room. 6. Individual dwelling units separately metered. 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting. 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle 	
Certificate	lamp luminaires independently of other lamps, or switching each luminaire or each lamp. Exceptions:	SABE
Section 1: Project Information	 Only one luminaire in space. An occupant-sensing device controls the area. 	ENGINEERI 2923 South Tryon Street Sui
Energy Code: 2009 IECC Project Title: Newberry County Airport Terminal	 The area is a corridor, storeroom, restroom, public lobby or sleeping unit. Areas that use less than 0.6 Watts/sq.ft. Automatic lighting objected is buildings larger than 5,000 sq.ft. 	Charlotte, North Carolina tel 704.373.0068
Project Type: New Construction Construction Site: Owner/Agent: Designer/Contractor:	Exceptions:	
Newberry, SC Section 2: Interior Lighting and Power Calculation	 Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security. 10.Photocell/astronomical time switch on exterior lights. 	WITH CARD
A B C D Area Category Eloor Area Allowed Watts	Exceptions:	
Office 1030 1 1030 0 1 1030 1 1030	Exceptions:	No. C02383
Section 3: Interior Lighting Fixture Schedule	Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair. Section 5: Compliance Statement	FILL OF AUTHONIUM
A B C D E Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast Lamps/ # of Fixture (C X D)	Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications	- and the second s
Fixture Fixtures Watt. Office (1030 sq.ft.) 1 11 35 385	and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COM <i>check</i> Version 4.0.8.1 and to comply with the mandatory requirements in the Requirements Checklist.	
LED 1: At 2A2 doiloi: LED 1 data contra111111LED 2: B: down light: LED A Lamp 25W:1726182LED 3: C: pendant light: LED Other Fixture Unit 50W:1250100	RICK MORRISON - ELECTRICAL ENGINEER Frid Z /V/masses 4-27-18 Name - Title Signature Date	UTH CARO
Total Proposed Watts = 667 Section 4: Requirements Checklist		
Interior Lighting PASSES: Design 35% better than code.		
Lighting Wattage: 1. Total proposed watts must be less than or equal to total allowed watts. 		M. MORRIS
Allowed Watts Proposed Watts Complies		
Controls, Switching, and Wiring:		FIRM NUMBER - C-2130
 Subjust zones and stylights more than no lost non the permitter have lighting controls separate non daylight zones daylecht to vertical fenestration. 3. Daylight zones have individual lighting controls independent from that of the general area lighting. 		
Exceptions:		
 Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting. A Independent controls for each space (switch/occupancy sensor) 		
Exceptions:		
 Areas designated as security or emergency areas that must be continuously illuminated. Lighting in stairways or corridors that are elements of the means of egress. 		
Project Title: Newberry County Airport Terminal Report date: 04/27/18 Data filename: P:\WIL Wilson Group\1701 Newberry GA Terminal\WIL-1701-COMCHECK.cck Page 1 of 4	Project Title: Newberry County Airport Terminal Report date: 04/27/18 Data filename: P:\WIL Wilson Group\1701 Newberry GA Terminal\WIL-1701-COMCHECK.cck Page 2 of 4	
	5. All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours. Exterior Lighting Efficacy:	
COM <i>check</i> Software Version 4.0.8.1	 6. All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 60 lumen/watt. <i>Exceptions:</i>	
Certificate	 Lighting that has been claimed as exempt and is identified as such in Section 3 table above. Lighting that is specifically designated as required by a health or life safety statue, ordinance, or regulation. 	
Section 1: Project Information	 Emergency lighting that is automatically off during normal building operation. Lighting that is controlled by motion sensor. 	
Energy Code: 2009 IECC Project Title: Newberry County Airport Terminal	Section 5: Compliance Statement	
Project Type: New Construction Exterior Lighting Zone: 1 (Developed rural area)	Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC	
Construction Site: Owner/Agent: Designer/Contractor: Newberry, SC	RICK MORRISON - ELECTRICAL ENGINEER	
Section 2: Exterior Lighting Area/Surface Power Calculation	Name - Title Signature Date	
A B C D E F Exterior Area/Surface Quantity Allowed Tradable Allowed Proposed Watts Wattage Watts Watts (/lipit (Part C)		
Main entry6 ft of door width20Yes1200Entry canopy120 ft20.25Yes3052		
Illuminated area of facade wall or surface 580 ft2 0 No 0 360 Total Tradable Watts* = 150 52 Total Allowed Watts = 150		
Total Allowed Supplemental Watts** = 500 * Wattage tradeoffs are only allowed between tradable areas/surfaces. ** A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.		
Section 3: Exterior Lighting Fixture Schedule		
A B C D E Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast Lamps/ # of Fixture (C X D)		
Fixture Fixtures Watt. Main entry (6 ft of door width): Tradable Wattage Entry canopy (120 ft2): Tradable Wattage		
LED 1: B: down light: LED A Lamp 25W: 1 2 26 52 Illuminated area of facade wall or surface (580 ft2): Non-tradable Wattage 52		
LED 2: D: wall sconce: LED A Lamp 25W: 1 14 20 280 LED 3: E: led tape light: LED Linear 8W: 1 16 5 80 Total Tradable Proposed Watts =		
Section 4: Requirements Checklist		
Lighting Wattage:		
areas/surfaces, total proposed watts must be less than or equal to total allowed watts. Compliance: Passes.		
 Controls, Switching, and Wiring: 2. All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting. 3. Lighting not designated for dusk-to-dawn operation is controlled by either a a photosensor (with time switch), or an astronomical time 		
switch. 4. Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.		
Project Title: Newberry County Airport Terminal Report date: 04/27/18	Project Title: Newberry County Airport Terminal Report date: 04/27/18	
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